


DL850 software upgrade procedure.

1. If you have received a programmed compact flash, skip stage 2.
2. Copy the received/Downloaded software file and into the root folder of Compact Flash card. The name of the file is not relevant. Also copy the latest version of SETUP.XXX into the root as setup.exe .
 - Note! Standard Compact Flash reader is needed to be attached to the PC
 - Note: it is possible to use the Compact Flash card, which is already installed in the display unit.
3. Switch OFF the mains of the display unit and insert Compact Flash card with the new software on it.
4. Press the “hidden” button inside the cabinet (Mounted on the solder side of the keyboard). This is the same button, which is used to activate internal settings.
5. Keeping the hidden button pressed, switch ON the mains in the display unit and keep the button pressed while the message “**You may release the hidden button**” appears in the lower part of the screen. If a new setup.exe is to be loaded follow the on screen instructions.
6. Release the hidden button. After few diagnostic text messages, the list of available software versions will appear in the lower part of the screen as in example below.
 - Note, that if the bootloader does not find any file with the software on the Compact Flash, the presently installed version will start automatically. In this case, make sure, that the upgrade has been copied correctly on the Compact Flash and repeat procedure.

04.01.11	04.01.30				
Active	External				
040111. 850	v040130. 850				



The image shows six physical softkeys arranged horizontally, labeled KEY 1 through KEY 6. Each key is a black rectangular button with white text. KEY 1 is on the far left, and KEY 6 is on the far right.

7. Select a software version, which you would like to install. Normally, it is possible to chose one out of two: the version, which is currently installed in the internal memory (indicated as **Active**) and the upgrade version (indicated as **External**). The version name is displayed in the upper line of the text lines, located just above the corresponding softkey. In the example above, soft key #2 should be pressed to select the latest software version.
8. Confirm selection by pressing **YES** button (or go back to selection, pressing **NO**)
9. Press any button to start the upgraded software (or it will start automatically in 5 seconds)
 - Note. The file with a previous software version will be copied back to the Compact Flash card, so it would be possible to re-install it in the similar manner, if desired.
 - It is possible that some upgrades will write over the present settings. We will try to inform of this, but to be safe, note the calibration and setup settings (Outputs).

IMPORTANT UPGRADE

Changes in version 4.01.16 (for 270kHz(DL850N/D27-XX)) / 4.01.06(for 540kHz(DL850N/D-XX)):

Internal filter changes:

In some circumstances the 270kHz system has shown inconsistent speeds when the vessel is docked. These are now filter strongly.

Water track values have sometimes suffered from interference in some conditions. A filter has been added to allow the user to select filters to keep the speed more consistent. This may increase the reaction time of the system.

If water track is showing errors change the filter on screenscope menu 4 filter button so that it has the number 2 at the end. Eg

- Low2
- Medium2
- High2

When maneuvering it is wise to set the values back to 1. (Normal use Low1)

THIS OR LATER UPGRADES ARE STRONGLY RECOMMENDED AS THEY CAN SOLVE A NUMBER OF PROBLEMS IN THE FIELD

Non critical upgrade

Changes in version 4.01.17/18: (for 270 kHz system (DL850N/D27-XX))

Small changes for newer CPU's in use in some s/n 08 versions of cabinet.

Non critical upgrade

Changes in version 4.01.07/08: (for 540 kHz system (DL850N/D-XX))

Small changes for newer CPU's in use in some s/n 08 versions of cabinet.

Important Upgrade

Changes in version 4.02.03 (for 270kHz system DL850N/D27-XX)

This version improves the processing and error filtering of the 270 system. The software on its own will improve filtering and include some extra facilities (see manual) When combined with a new logic chip on the receiver card of the transceiver, it will give enhanced accuracy and performance in some cases.

NOTE. If the new logic is in place, Software 4.02.03 or greater MUST be used. Not upgrading will result in no signals being sent (the red LEDs on the transceiver will not light).

Please send feedback of this new software update to development@skipper.no