

Raymarine FAQ Knowledge Base

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Upgrading the software in your Multifunction Display (MFD)

This FAQ relates to the following products:

a Series - a65, a67
c Series - c95, c97, c125, c127.
e Series - e7, e7D, e95, e97, e125, e127, e165
gS Series - gS95, gS125, gS165

A Series - A50, A50D, A57, A57D, A70, A70D
C Series Classic - C70, C80, C120
E Series Classic - E80, E120
C Series Wide - C90w, C120w, C140w
E Series Wide - E90w, E120w, E140w

The following procedure addresses how one would populate a Flash memory card (Compact Flash/mSD) with software update files for the Multifunction Display (MFD) and then use this Flash memory card to update the MFD's software. Please note that product software updates may revert some MFD configuration settings back to the MFD's default settings. As such, it is recommended that customers make note of the MFD's configuration settings so that they may be used to reconfigure the MFD's settings after the MFD's software has been updated.

Populating a Flash Memory Card (Compact Flash/mSD) with the MFD Software

1. Insert a compatible Flash memory card into the computer's memory card reader or into a emory card reader which has been interfaced to the computer.
2. Select the appropriate software download for your product from [HERE](#)
3. Upon completion of the download, click on the downloaded file to open it
4. Copy all files to the Root of the Flash card (Root is the first level you access when selecting the Flash). Make sure the files are not in any folders on the card

For example, if your computer has assigned Removable Disk (E:) to your memory card reader/writer, then the software update files (i.e. the DOB and PKG files alone) should be copied directly to Removable Disk (E:), not to any folders created on the memory card.

5. Remove the memory card from the computer's memory card reader.



Populating the card via a Windows Machine



Populating the card via a Apple Machine

Backing Up Your Waypoints, Routes and Tracks

It will be necessary to reset the MFD as the final step in the process of updating it. This procedure WILL erase any of the waypoints, routes and tracks that are currently stored within the MFD.

To backup your data using a A Series, C Series Classic/Wide, E Series Classic/Wide or G Series, please follow the steps outlined [HERE](#)

To backup your waypoint/route/tracks data using a a, c, e or gS Series MFD please follow the steps outlined [HERE](#)

To backup your configuration/settings data using a a, c, e or gS Series MFD please follow the steps outlined [HERE](#)

The steps for restoring this data to the MFD are also contained in this same FAQ.

Note: one may use a single Flash memory card to both backing up the data within one's MFD as well as for performing the software update. When using this Flash memory card for backing up the data within one's MFD, be certain to not insert the memory card into the MFD's memory card reader/writer until the MFD has been powered up and has completed its startup initialization.

Updating the MFD Software

The next stage is to update your MFD. Please choose the appropriate instructions below depending on what MFD you are using to perform the update. This update **must** be performed on all connected MFD's in the system. If there is connected MFDs in the system with different software versions you may experience spurious issues.

Note: Software updates do not have to be performed sequentially unless stated. It is fine to update from version 2.00 to version 5.00 and miss both version 3.00 and 4.00 if you have not previously installed them. All necessary information for the units to operate are included in the latest update.

IMPORTANT TERMS OF DOWNLOADING SOFTWARE

This firmware update process is done at your own risk. Before initiating the update process **be sure to backup and make copies of all important files.**

If the firmware process is interrupted your product may not function properly, therefore **do not interrupt the process** and ensure the unit is on a reliable power supply. Damage caused by incomplete upgrades will not be covered by Raymarine warranty.

By Downloading the software, you agree to these terms.

Updating the a, c, e or gS Series MFD Software

1. Power OFF the MFD.
2. Insert the mSD card containing the software update files into the MFD's memory card reader.
3. Power ON the MFD.
4. Wait until the screen notifies you that the software update has completed and that you are now able to remove the mSD card.
5. Remove mSD card from the display and the MFD will now reboot back to normal operation.
6. Verify that the MFD's software has been updated.
 - o The MFD's software version may be verified via the command sequence [Home screen] Setup > Maintenance> Diagnostics > Select Device

Updating the A Series, C Series Classic/Wide, E Series Classic/Wide MFD's Software

1. Power OFF the MFD.
2. Insert the CF memory card containing the software update files into the MFD's memory card reader.
3. Power ON the MFD.
4. After the MFD has booted to its Raymarine Software Upgrade Utility screen, select the software upgrade package from the Upgrade Packages Available list.
5. Press the UPGRADE THIS UNIT function key.
6. When the progress indicator's Overall bar reaches 100%, the MFD's software will have been upgraded.
7. Remove the CF memory card from the MFD's memory card reader.
8. Press MFD's red power button to power OFF the MFD.
9. Press and hold the first (Left Hand) softkey on the MFD. Keeping the softkey held down, press the red power button to power ON the MFD. This will perform a reset of the unit. Do not skip this step.

The unit will notify you that the reset has completed after the count down by a beep. You can now release the softkey.

Note: C Wide and E Wide displays differ to the above and will take you to a menu screen to perform the reset. Select the Reset option in this menu and wait until it completes and then reboot the display.

10. Verify that the MFD's software has been updated.
 - o The MFD's software version may be verified via the command sequence MENU->SYSTEM DIAGNOSTICS->SOFTWARE SERVICES->UNIT INFO; Inspect the item labeled APP VERSION
11. Restore your Waypoints, Routes and Tracks using the instructions [HERE](#)