



How to Update NN3D to v2.07

Incremental update for MFDBB/MFD12/MFD8



1. NN3D v2.07 Incremental Update Introduction

1.1. Overview

The incremental update allows you to update all NavNet3D MFDs and some NavNet3D components using one SD-Card. The SD-Card containing the incremental update file only needs to be inserted on the Master MFD (the slave MFDs and the NN3D components will be updated over the network automatically).

This pre-packaged incremental update contains update files for the following components: MFD12, MFD8, MFDBB, DRS, DFF1 and DFF3. A pre-programmed SD-Card can be purchased from FUSA (Part Number NN3-UPL-SOF) or downloaded from www.FurunoUSA.com (107MB download). Please refer to the appendix for detailed instructions on how to download and burn the update files on a regular SD-Card.

Note: The pre-packaged incremental update contains the same files that can be found on the end-user "My NavNet" webpage. However, when the end user downloads the update files, it will only download the update patches required for the components installed on his boat (reducing the update file size).

This pre-packaged update file is provided as a convenience for dealers that cannot access the End User My NavNet page.

1.2. Restrictions

This pre-packaged incremental update can only be used on an MFD loaded with software v2.01 or higher. If the current software of the MFD is v1.11 or below, you need to use the “combo upgrade” (the combo upgrades includes all changes and updates since the first version).

You can check the current software version by pressing the [MENU] key then scroll down to the “My NavNet” menu page. The current version of the software installed on the MFD will be indicated under “Software Version”.

IMPORTANT ISSUES:

1. *This “incremental software upgrade” is designed to retain User Settings, Charts and Waypoint Memory Storage. However, to be safe, Furuno STRONGLY RECOMMENDS that critical waypoints/routes are saved to a separate SD Card before you attempt to update an MFD’s Software. Please refer to the appendix for detailed instructions on how to backup waypoints and route data.*

2. *Do NOT mix Navnet 3D MFD Software Revisions in a given network. Make sure that all MFDs are updated at the same time to v2.07.*

2. Update Procedure

- a) Make sure that all the MFD’s and the NavNet3D components are turned ON and configured properly.
- b) Insert the SD-Card into the CARD reader of the MFD set as a Master.
Note: You can check the MFD type (Master or Slave) by pressing the [MENU] key then scroll down to the “My NavNet” menu page. The “MFD Type” field will let you know if the current MFD is a Master or a Slave.
- c) Press [MENU] then turn the RotoKey to select the “Files” menu. Use the cursor pad and click on “Import Update file”.
- d) Wait for the MFD to copy the files on the internal memory (this can take several minutes on the MFDBB).
- e) Once the files are copied, the MFD will shut down and launch the update software automatically.
- f) The components that need to be updated will appear in the list (and will be automatically checked).

X	DRS_OPEN	App l i c a t i o n
X	DRS_RADOME	App l i c a t i o n
X	NavNet3D MFD8	FPGA
X	NavNet3D MFD8	OS/App l i c a t i o n
X	NavNet3D MFD12	FPGA
X	NavNet3D MFD12	OS/App l i c a t i o n
X	NavNet3D MFDBB	App l i c a t i o n

- g) Click on “Start” to begin to update the selected components.



Note: During the Update process the slave(s) MFD(s) will alarm, (simply press the Cancel Key on the keyboard of the alarming units to silence the alarm on the slaves).

- h) At the end of the process, click on “OK” when the message “Ready to shut down to complete update” appears.

*Note: The MFDBB will shut down and restart twice! Wait for the system to totally shutdown (do NOT try to power ON manually the MFDs until the MFDBB is completely OFF). **If after 5 minutes the MFDs (MFDBB and MFD8/12) are still on, power them down manually by pushing the Power ON/OFF button for 10 seconds).***

- i) When all the MFDs are turned OFF, power ON the system (all the MFDs) again beginning with the Master MFD.

***IMPORTANT:** When the MFDs are up and running, you must reset the Vector Charts settings to the factory defaults. Press the [MENU] key, select the “Chart” menu and press the “Reset Default Settings” button (at the end of the page) under the “Vector” and “Custom Config” tab. Repeat this process on every MFD. After resetting to the default settings, the user is free to adjust the settings the way he likes.*

3. Appendix

3.1. Create an SD-Card for the pre-packaged incremental update

A blank 128MB or larger SD Card (2GB Max) is needed for the update. Furuno highly recommends using "SanDisk" SD-Cards.

- a. Download the ZIP file at www.FurunoUSA.com.
- b. Unzip the files on your computer. Open the folder you just unzipped. You will see a folder named "UPLOADER".
- c. Insert an SD-Card into your computer. If the SD-Card folder automatically opens, close it. Click Start and select "My Computer".
- d. Select the folder you unzipped in step b) and copy it (CTRL-C).
- e. Open the SD-Card and Paste the "UPLOADER" folder at the root of the SD-Card (CTRL-V).

Note: Do NOT copy the files at the root of the SD-Cards (unlike the Combo update), copy the "UPLOADER" folder at the root of the SD-Cards (in other words, you should only see only the UPLOADER folder when you open the SD-Card).

3.2. How to backup Routes and Waypoints

An SD-Card will be necessary to backup the Waypoints and Routes

- 1) Power ON the system.
- 2) Insert the SD-Card into the SD-Card slot of the NN3D keyboard.
- 3) Press the [MENU] key and turn the RotoKey to select the "File" category.
- 4) Use the Cursor and click on "Export Points and Routes".
- 5) Select "Yes" when the message "A SD-Card has been detected..." appears.
- 6) Enter a file name by turning the RotoKey (to select a character) and pressing the RotoKey (to validate the current character). Press on the RotoKey twice to validate the name and save the backup file.

To recall, a backup file,

- 1) Insert the SD-Card containing the backup file into the SD-Card slot of the NN3D keyboard.

- 2) Press the [MENU] key and turn the RotoKey to select the “File” category.
- 3) Use the Cursor and click on “Import Points and Routes”.
- 4) Select “Yes” when the message “A SD-Card has been detected...” appears.
- 5) A message box will appear with a list of all the backup files contained on the SD-Card. Simply turn the RotoKey to choose the file you want to import then push on the RotoKey to validate.

Note: When importing a backup file, it overwrites and replaces all the Routes and Waypoints currently loaded in the unit. You can Export your current Waypoint and Route database on the same SD-Card (under a different name) if you want to revert back to your old database later on.