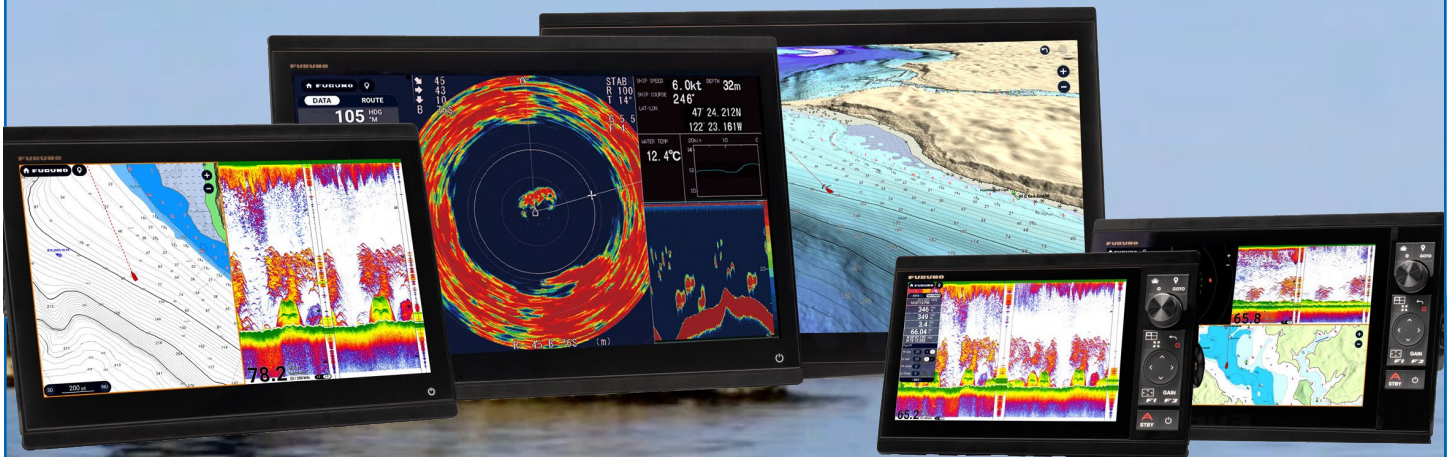


MAVnet



Software Update Instructions





Number of pages: 10

Date: July 10th, 2024

Models:

TZT10X TZT13X TZT16X

TZT22X TZT24X TZTBBX

Software Update Instructions

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Software Update Procedures – Via Wireless LAN

Read First:

- ✓ Only update the software while in port, never while underway. Do not attempt to update the software the same day you are planning to use the equipment.
- ✓ This update should not erase user information. However, **we strongly recommend** that you save all valuable user data, such as tracks, points, routes, settings, etc., prior to updating the software. Instructions for saving user data can be found in the Operator’s manual, the onboard eGuide, and in the addendum of this instruction.
- ✓ The TZT10X/13X/16X/22X/24X can be updated via Wireless LAN. **(Software versions v24.12 and later)**
- ✓ The TZ MAPS content is **NOT** included in the update via Wireless LAN to reduce the total file size. When the base chart package needs to be reinstalled or updated, make sure to update via micro-SD card.

1. Preparation

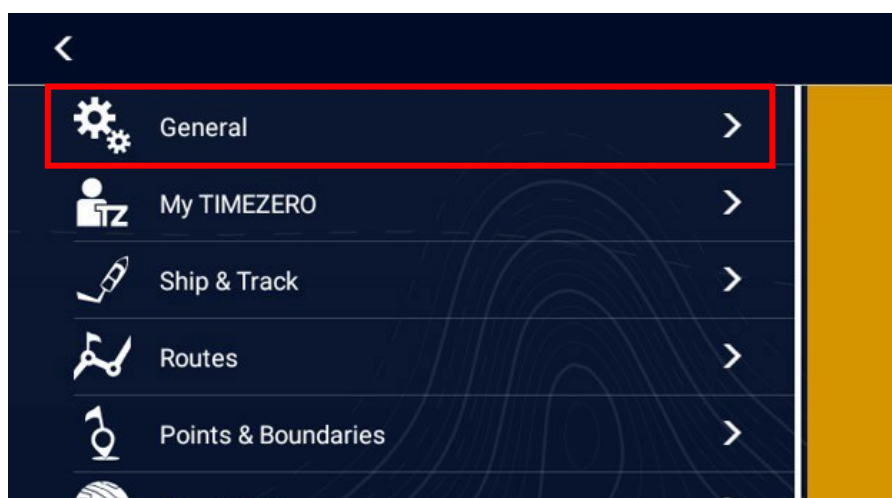
- ✓ Make sure that an access point for connection to the Internet is available.
- ✓ A good GPS connection to provide accurate time and date information.
- ✓ Detach all USB devices from the MFD and ensure all other MFD’s are turned on before starting the update process.
- ✓ Copy all waypoints, routes, marks, and settings to a USB memory stick (See [Addendum 1](#) for instructions on how to save them).

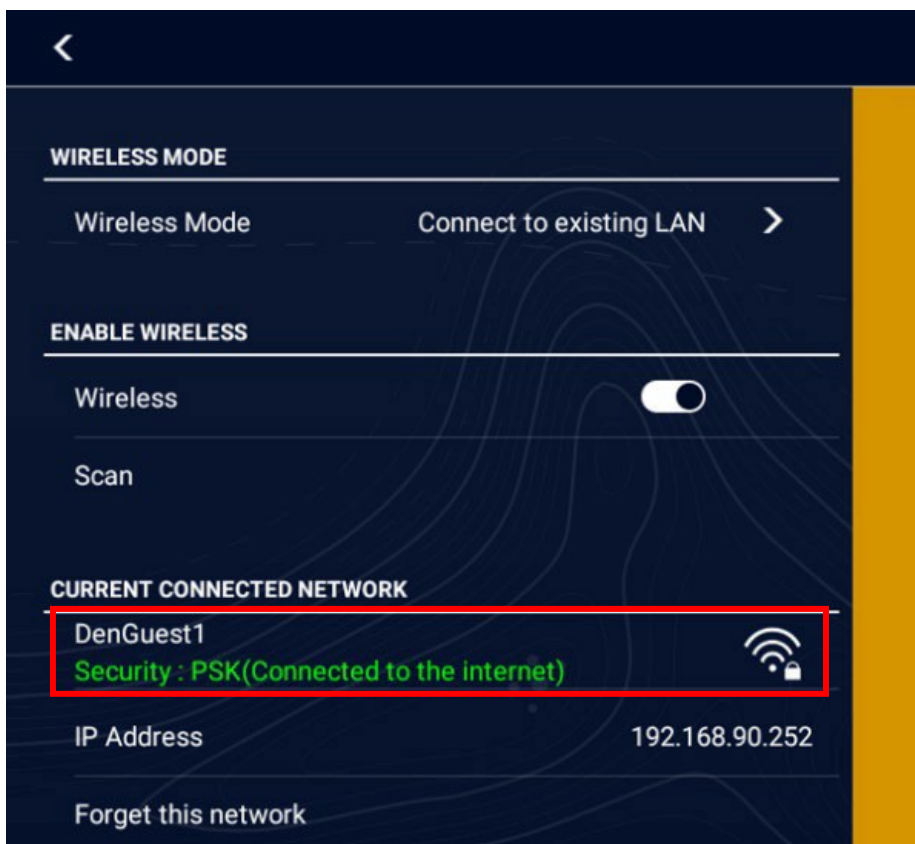
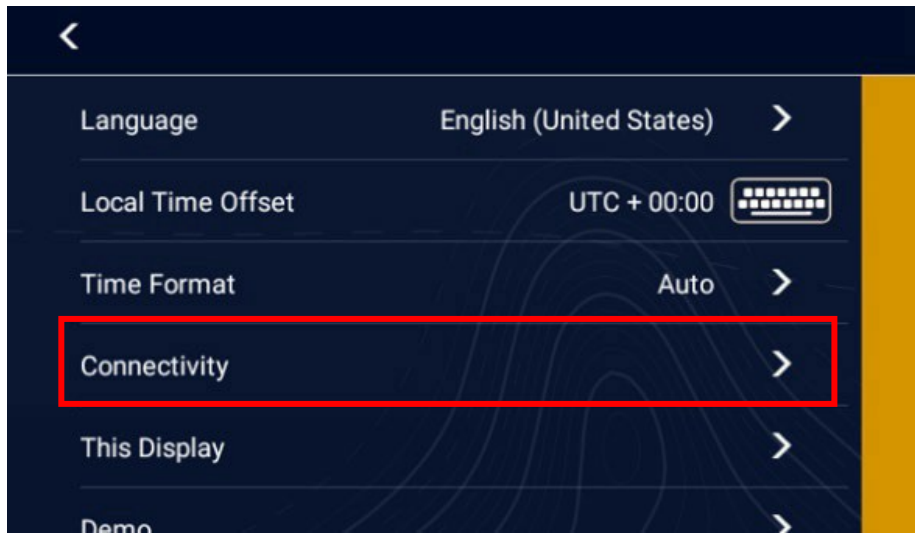
2. Instructions

Software File Size	: Approx. 3.8GB (Total size depends on software versions)
Software download	: Required connection to Wireless LAN environment until download completes.
Software Update	: Approx. 20 minutes required after downloading software.

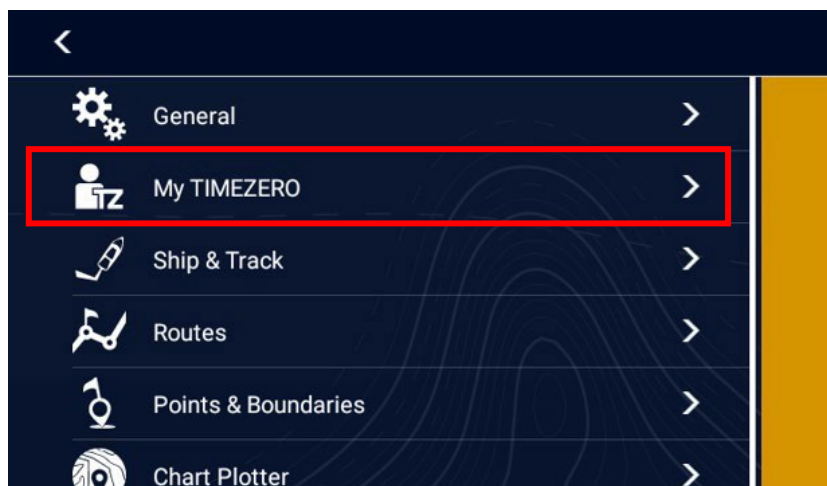
Step 1 - Connect the MFD to the Internet

- (1) Access [FURUNO (Home)] – [Settings] – [General] – [Connectivity] - [Wireless LAN Settings] - [Wireless Mode] – [Connect to existing LAN] [Wireless] – [ON] - Then connect to established Wi-Fi.

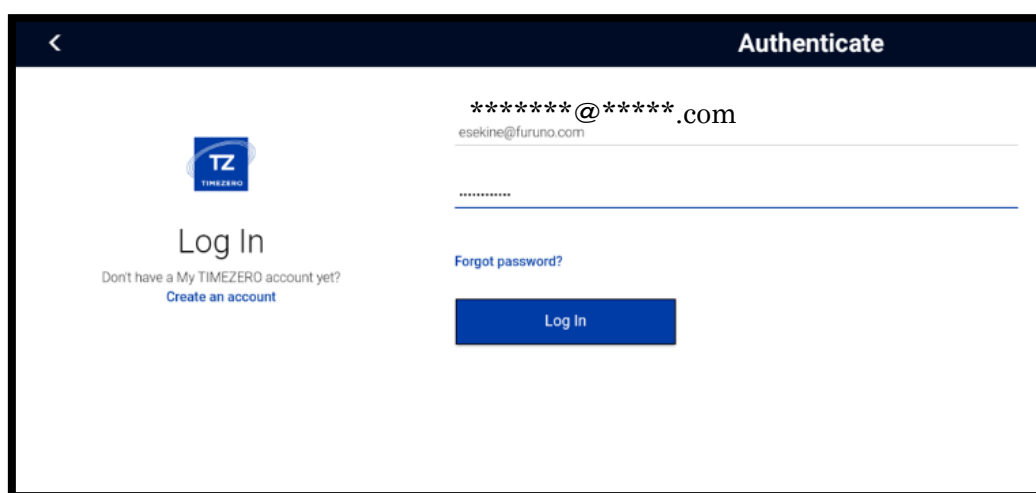




(2) Access [FURUNO (Home)] – [Settings] – [My TimeZero account]



(3) Create or Log In to your My TimeZero account.

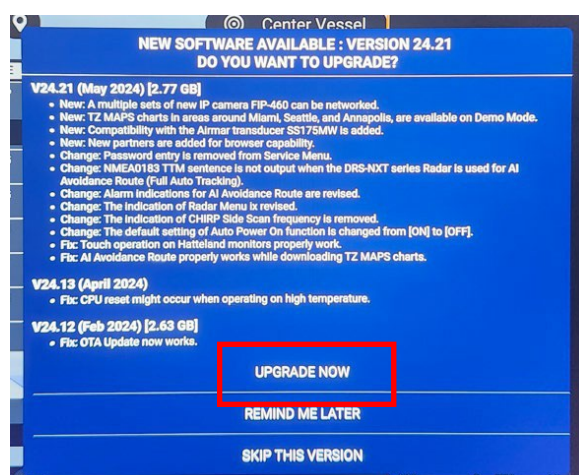


Step 2 – Check for Software Update

When the MFD is connected to the Internet and a software update is detected, the message box will appear to encourage you to update. The box shows the new version number and updated content. Review the content and tap [**UPGRADE NOW**] to proceed.

Note:

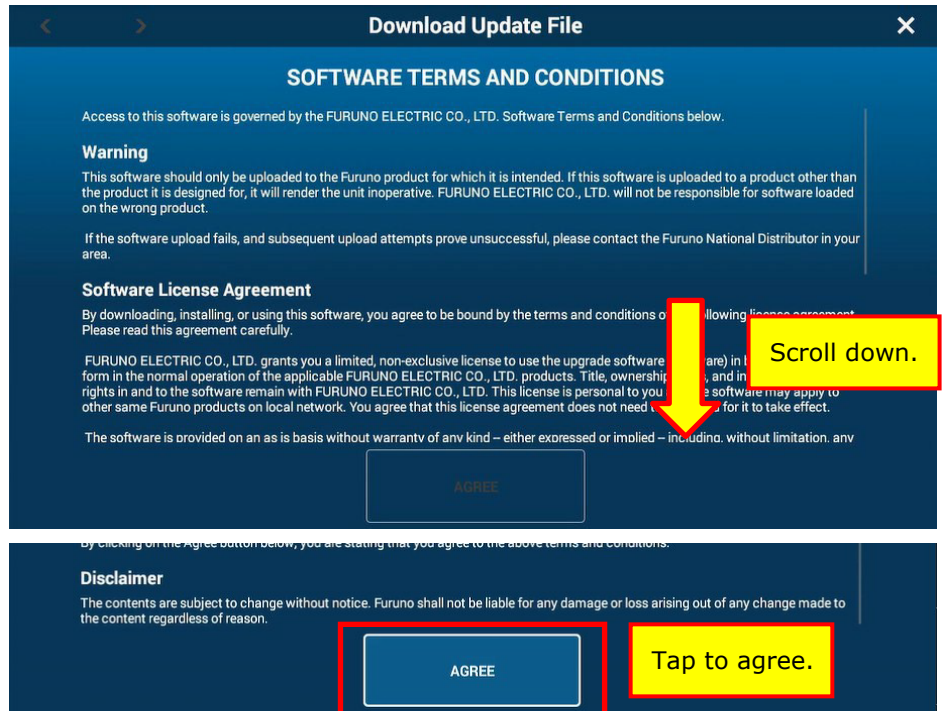
The message box can also be shown in [Home] – [Settings] – [General] – [**Check for Software Update**].



Step 3 – Download the latest software package

(1) The browser page to the right will appear to show the Software Terms and Conditions. Scroll through and read to the bottom of the page to tap [AGREE].

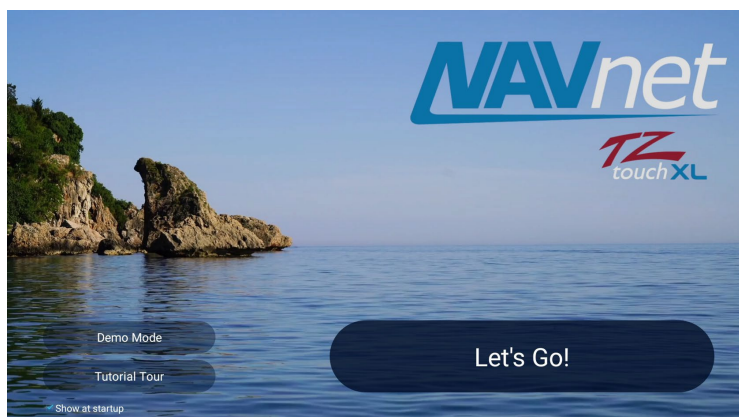
(2) The download page will appear, and the download will automatically start. While downloading, the progress bar is shown at the bottom of the page. Wait until the download is complete.



Step 4 – Update software

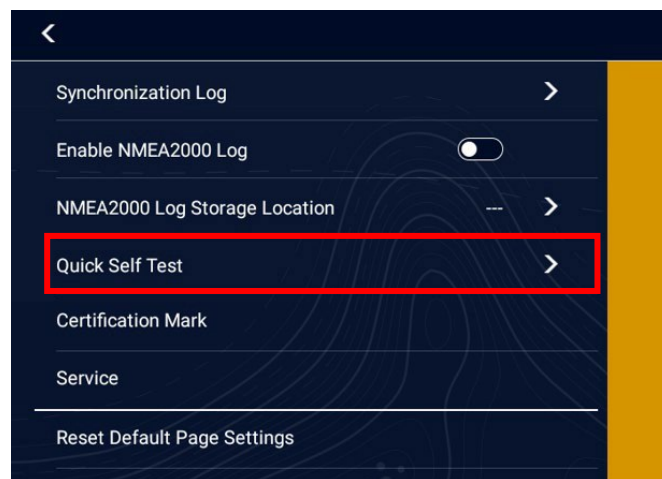
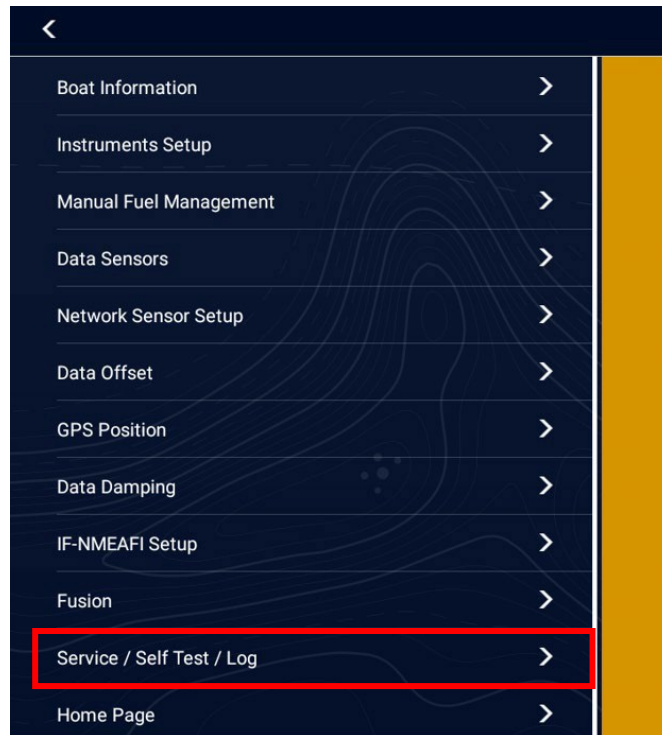
(1) After the download is complete, the software update will automatically start. Some message boxes and update screens will appear during the update process and the application will restart at the end of the process. Wait until the software update process is complete. (Approx. 20 minutes) Do not interrupt!

(2) At the end of the process, the application will restart and start up with the Welcome Screen. If the Welcome Screen is deactivated in [Home] – [Settings] – [General] – [Show Welcome Screen at startup] – [OFF], the application will show the previously opened operation mode.



E.g., TZT10X/13X/16X/22X/24X

Check that the versions for all attached MFDs are updated in [Settings] – [Initial Setup] – [Quick Self-Test].



(3) Turn the power off.

Software Update Procedures – Via USB

Read First:

- ✓ Only update the software while in port, never while underway. Do not attempt to update the software the same day you are planning to use the equipment.
- ✓ This update should not erase user information. However, we strongly recommend that you save all valuable user data, such as points, routes, settings, etc., prior to updating the software. Instructions for saving user data can be found in the Operator's manual, the onboard eGuide, and in the addendum of this instruction.

1. Preparation

- ✓ USB, minimum 8 GB
- ✓ Download software.
- ✓ Detach all USB devices from the MFD and ensure all other MFD's are turned **on** before starting the update process.
- ✓ Copy all waypoints, routes, marks, and settings to a separate USB memory stick or save all user data into the My Time Zero account. (See [Addendum 1](#) for instructions on how to save them).

2. Instructions

Software File Size : Approx. 3.8 GB (Total size depends on software versions)

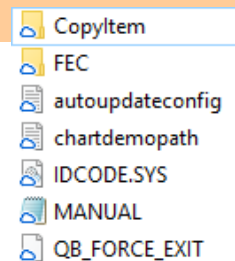
Software Update : Approx. 25 minutes required.

Step 1 – Prepare USB for Update

- (1) Download the software package on your desktop.
- (2) Unzip the file.
- (3) Copy the unzipped program files to the root of a formatted USB. No other files should be on the USB.

E.g., Files in software package

(Some files may not be included depending on versions.)

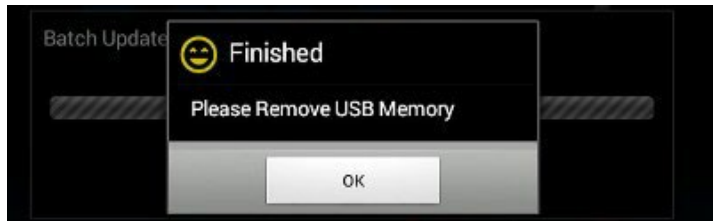


Step 2 – Update software

- (1) With the TZtouch XL powered off, insert the USB into the USB port on the back side of the unit.

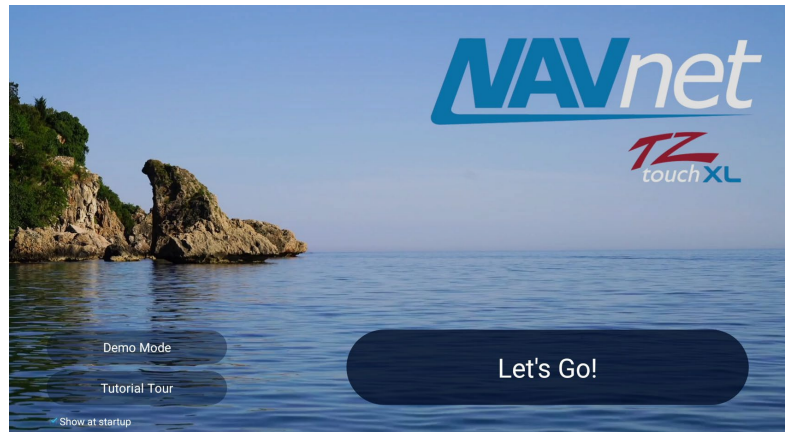


- (2) Turn the power on. After the MFD boots up, the update process will start. (Approx. 15 minutes)
- (3) The following dialog box will appear. Take the USB out of the USB port and tap [OK].



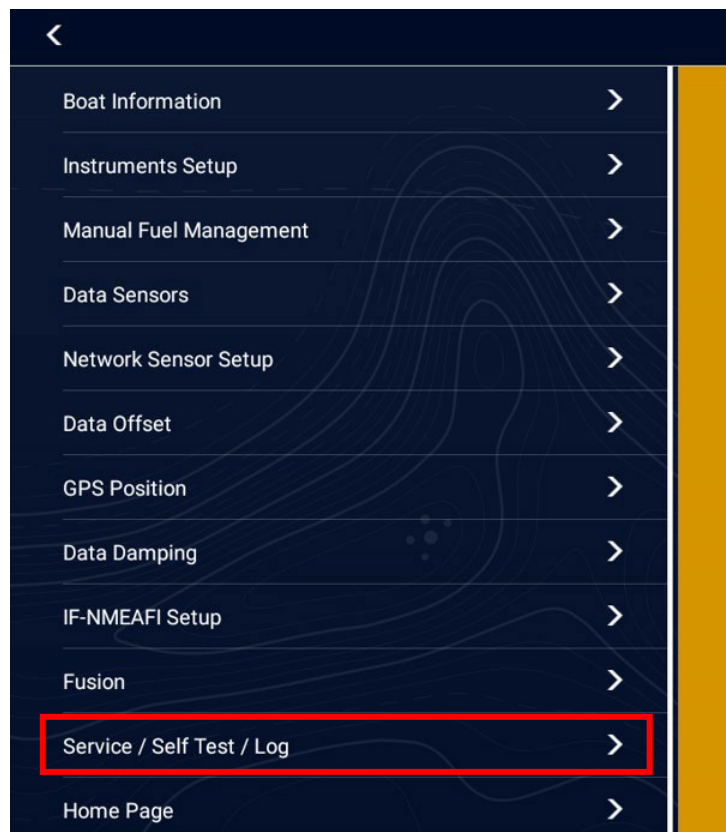
(4) The MFD will automatically shut down and restart to begin updating. Some message boxes and update screens will appear during the update process and the application will restart at the end of the process. Wait until the software update process is complete. (Approx. 10 minutes)

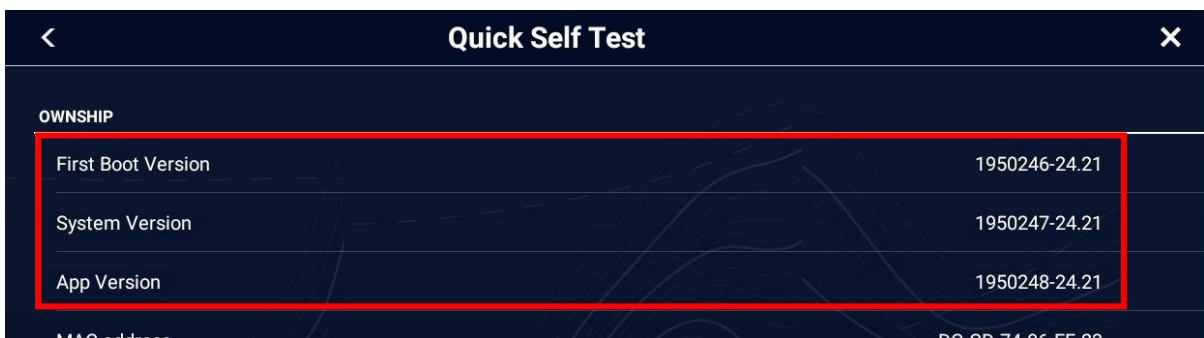
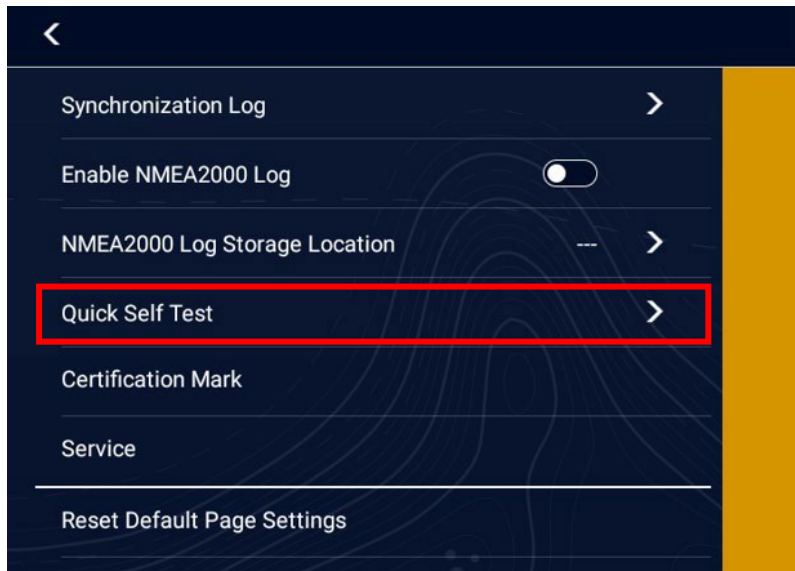
(5) At the end of the process, the application will restart and start up with the Welcome Screen. If the Welcome Screen is deactivated in [Home] - [Settings] - [General] - [Show Welcome Screen at startup] - [OFF], the application will show the previously opened operation mode.



E.g., TZT10X/13X/16X/22X/24X

(6) Check that the software versions have been updated in [Settings] - [Initial Setup] - [Quick Self-Test].





(7) Check the software version for other MFDs in the system.

--- END ---

Addendum

1. Saving and Importing/Restoring User Objects

You must save all routes, points, and tracks before proceeding to the MFD Software Update.

To export points, routes, and tracks, access [Settings] – [Files] and select [**Export All User Objects**] (for points, routes, boundaries, and photos) or [**Export Tracks**] (for tracks) as shown at right. The database will be copied to the connected USB.

User objects, tracks, and settings can be exported from, and imported to, MFDs via USB.

1.1. Points, Routes, and Tracks

To export/save these databases, access [Settings] – [Files] – [**Export User Objects**] (for points, routes, boundaries, and photos) or [**Export Tracks**] (for tracks). The database will be copied to the USB.

To import these databases, access [Settings] – [Files] – [Import User Objects] (for points, routes, boundaries, and photos) or [Import Tracks] (for tracks) and select the file to import.

Note:

When multiple USB drives are connected via a USB hub, **the data will be saved to the first detected USB.**

1.2. Settings

To save settings, access [Settings] – [Files] and select [**Backup Settings**]. The settings will be saved to the USB connected to the USB port.

To restore the settings, select [Settings] – [Files] – [**Restore Settings**] and select the user setting file.

--- END ---

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