

NAVnet
TZ2
touch

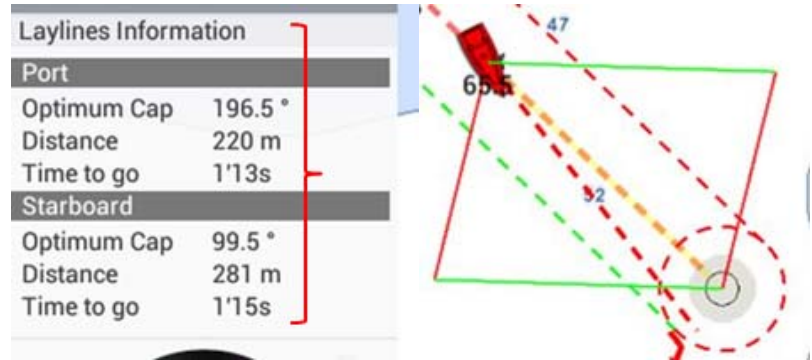
**Sailing with NavNet TZtouch2
Using Laylines and Polar Files**

1. Sailing with NavNet TZtouch2

With the TZTL12F/15F v6.01 or later, a layline can be indicated on the Plotter screen and Navigation Data Box. The layline indication is useful for navigation with a sailboat in order to locate the most appropriate and effective course towards upwind.

This document highlights how the layline feature is available and utilized on the TZTL12F/15F.

Left – Navigation Data Box
Right – Plotter



2. Getting Started

The layline is drawn on the screen based on the database of sailing characteristics of sailboat types. The TZTL12F/15F v6.01 and later is preloaded with generic database called a "polar file".

Generic polar file loaded as standard



Detailed polar files of many sailboat types are available on the <<https://furuno.mytimezero.com>> website and can be imported to the TZTL12F/15F via USB memory, in order to show a more precise, appropriate layline to the boat type.

The polar file can be loaded to the TZTL12F/15F as follows.

- (1) Access <<https://furuno.mytimezero.com>> and download the required polar file of the sailboat.

1 DOWNLOAD

Select your shipyard, and download the polar file from the links below.

2 COPY ON USB FLASH DRIVE

Copy the downloaded .xml file on a USB flash drive. Your polar file must be at the root of the USB drive.

3 IMPORT THE FILE

Insert the flash drive in your TZtouch2 MFD (TZTL12F/15F, TZT2BB). Select "Import Wind Polar" in the Files menu, select your file and press OK.

4 YOU'RE DONE

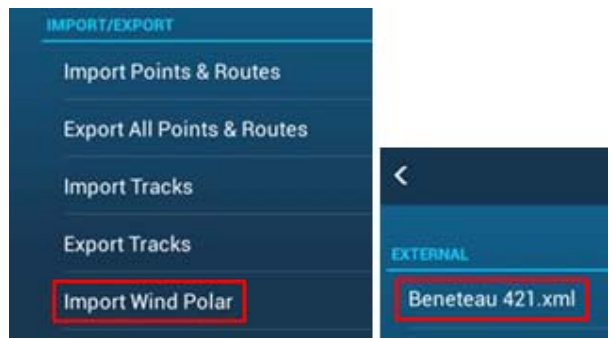
TZtouch2 MFD will from now on use your wind polar for Laylines calculations.

Select your shipyard: All shipyards Download a polar file of target sailboat type [171 files]

File	Shipyard	Date	Size	Download
60 ft mono	Others	2018/02/26 23:53:01	212 KB	
60 ft Multi	Others	2012/10/05 20:30:28	12 KB	
A 31	Archambault	2012/10/05	12 KB	

(2) Copy the downloaded polar file to USB memory and insert it to the TZTL12F/15F USB port.

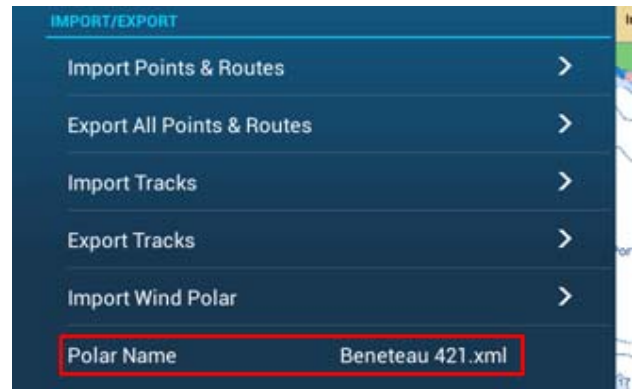
(3) Access [Settings] – [Files] – [**Import Wind Polar**]. You can see the polar file name contained in the USB memory. In this example, the polar file from Beneteau 421 is shown: Select the file to be imported.



(4) After the import process is complete, you can see the file name in [Polar Name].

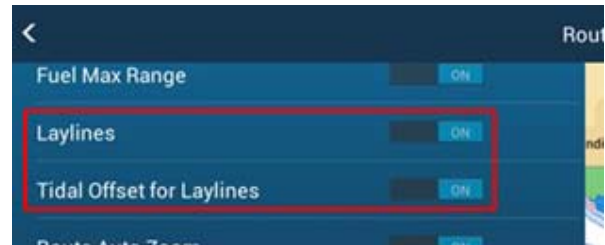
Note:

Only one (1) polar file can be installed on the unit.

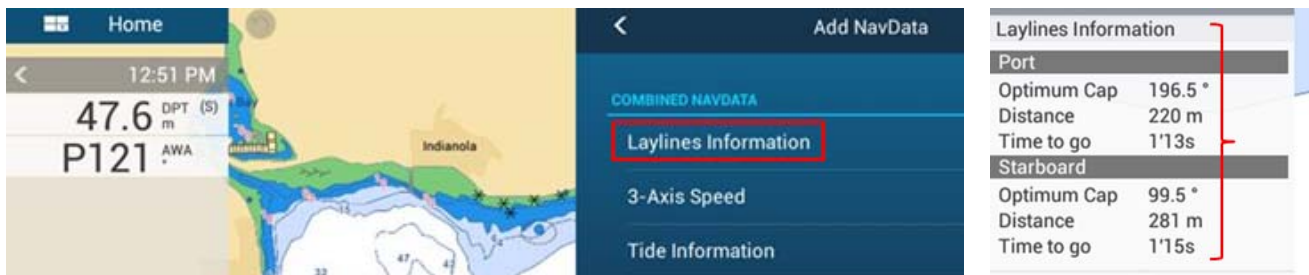


3. Showing Laylines on the Plotter

(1) Access [Settings] – [Routes] and set [Laylines] and [Tidal offset for Laylines] to [ON].

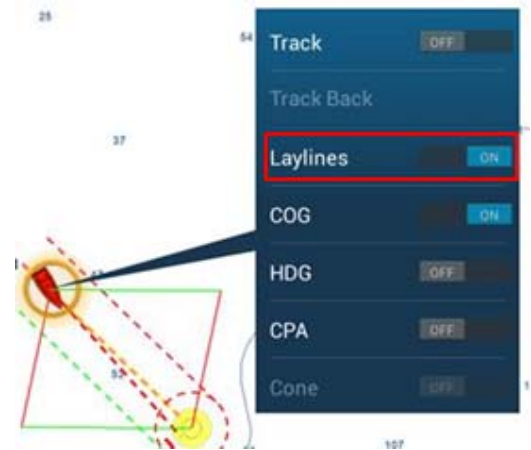


(2) Once these settings are turned on, the layline information is available on the navigation data box: Tap the data box area and select [Laylines Information].



(3) Reviewing the latest wind speed and direction, set the route (GOTO) towards upwind.

(4) Tap the own ship icon and set [Laylines] to [ON]: See the layline for the boat.



Note:

Make sure that **wind speed**, **wind direction**, **boat heading**, and **boat speed** are available in the TZTL12F/15F network.

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