FURUNO

MULTI FUNCTION DISPLAY



Model TZTL12F/TZTL15F/TZT2BB

Operator's Guide

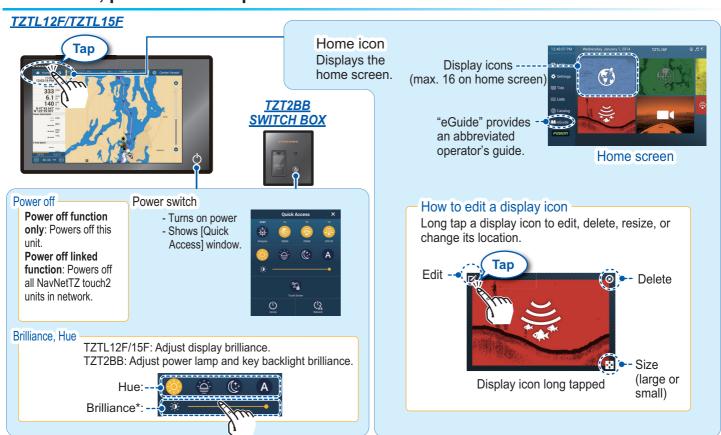
This guide provides the basic operating procedures for this equipment. For detailed information, see the Operator's Manual in the supplied CD-ROM. You can get the latest version of the manual by accessing the quick response code at the back of this guide. Connection of sensors required.

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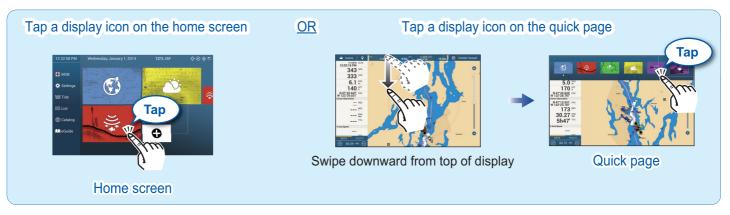
The screenshots in this manual are taken from the TZTL12F and TZTL15F. On-screen appearance for the TZT2BB may differ slightly, depending on the monitor used.

Operational Overview

Home icon, power switch operations



How to select a display





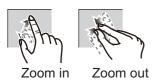
Touchscreen operations

Tap



- Select an item on a menu.
- Select an object to show the corresponding pop-up menu.

Pinch



- Zoom in, zoom out the plotter and weather displays.
- Change the range on the radar display.



Drag, swipe



- Move the chart.
- Scroll the menu.
- Show slide menu, layer menu.

Two finger tap



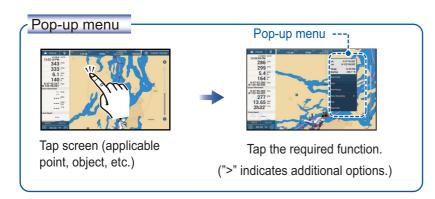
Do the function assigned to [Function Gesture] in the [Settings] - [General] menu.

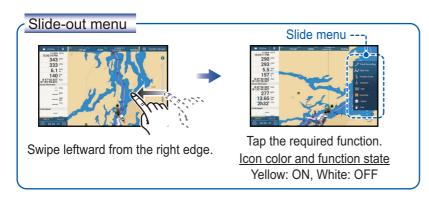
Two finger drag

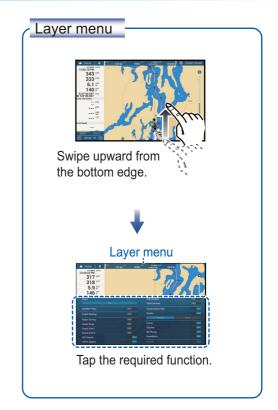


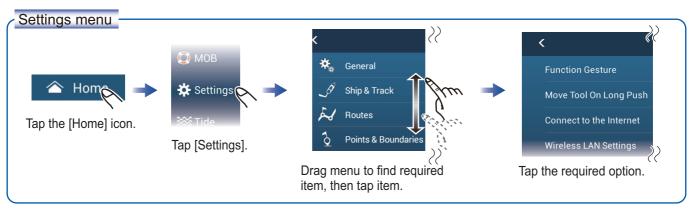
Change the viewpoint position on the 3D display.

Menu operation

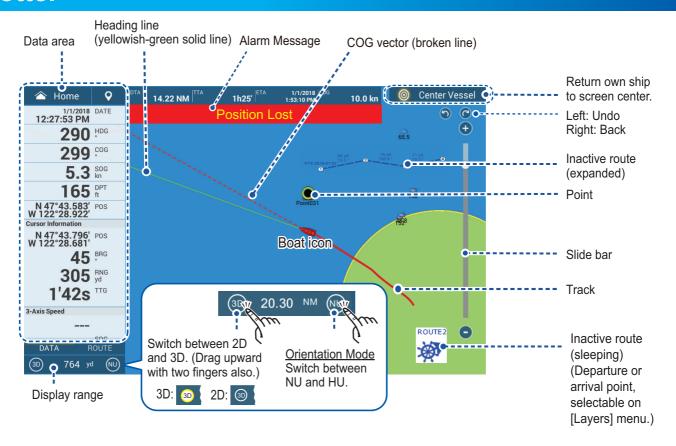






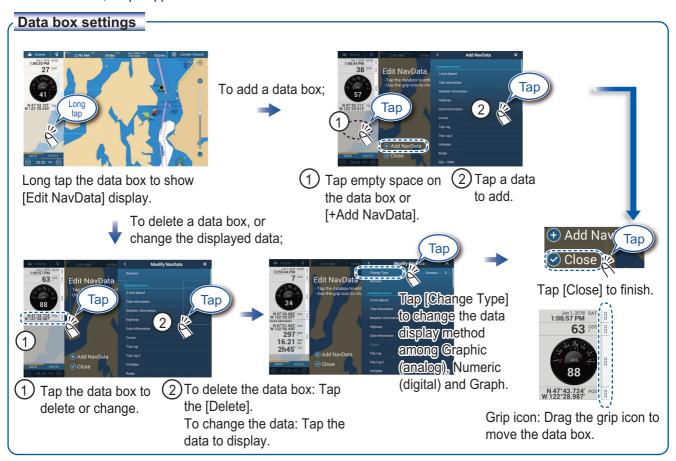


Plotter



Data Area (Data Box)

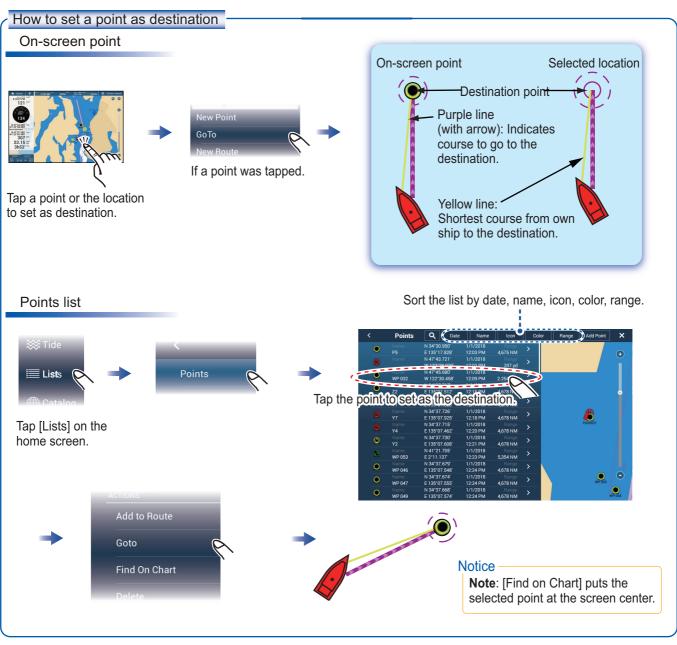
Swipe from the left edge of the screen rightward to show the data area at the left edge of the screen. To hide the data area, swipe oppsite direction.

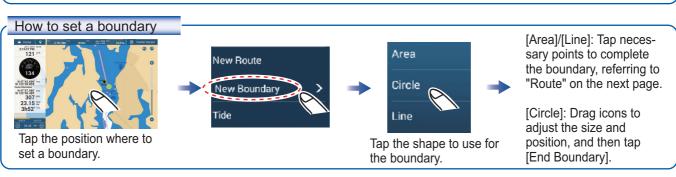


Points/boundaries

Points can be entered on the plotter display (radar and fish finder displays also) to mark important locations such as a good fishing spot. Point attributes (position, symbol type, color, etc.) are recorded to the points list. Also, boundaries can be set at the position desired (net position, area to avoid, etc.)

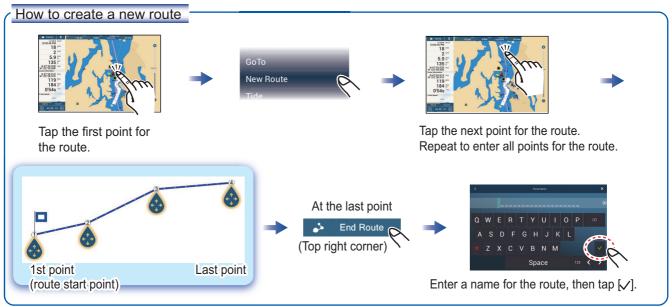


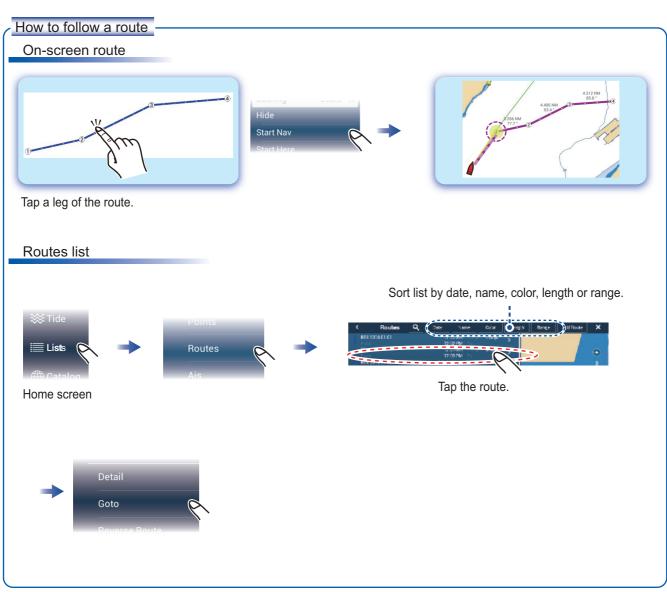


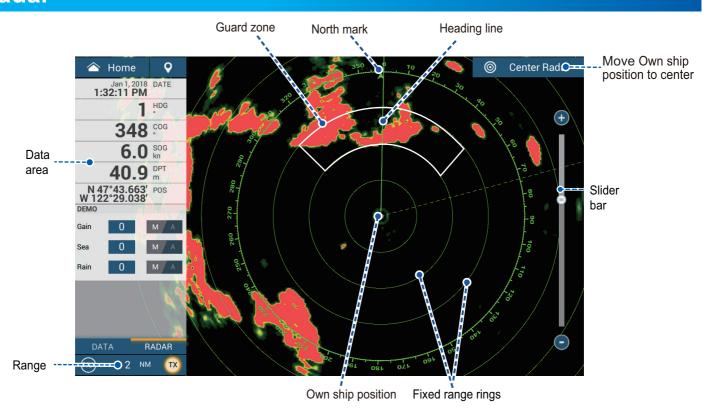


Routes

A route is comprised of a series of waypoints leading to a destination. Routes are saved to the routes list.



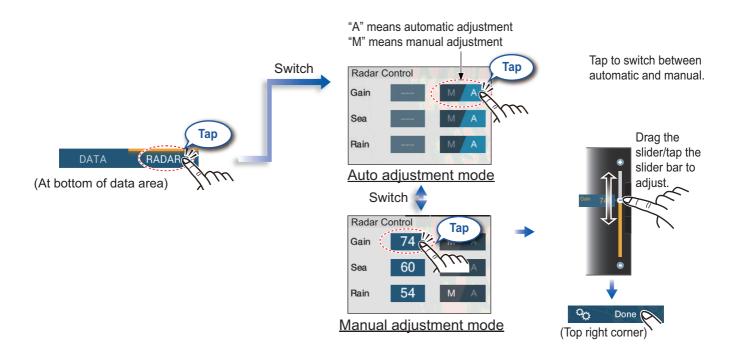


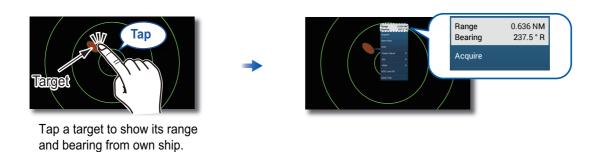


How to switch between standby and TX



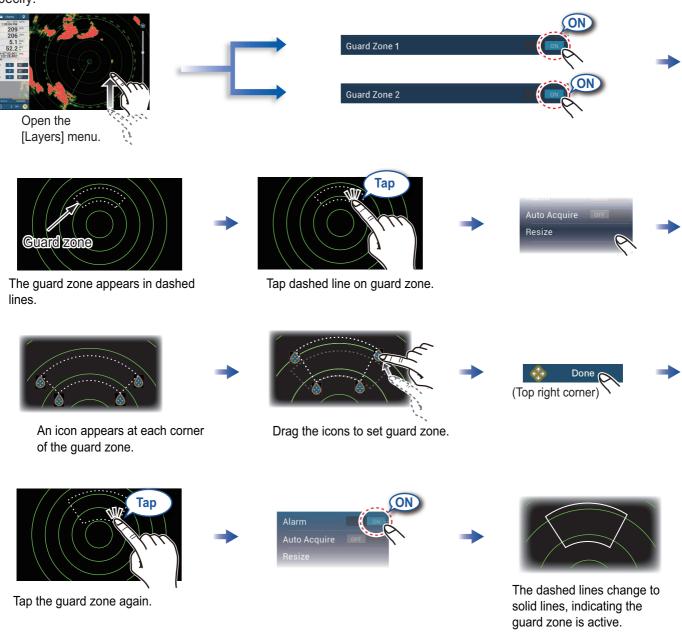
How to adjust the gain / sea clutter / rain clutter





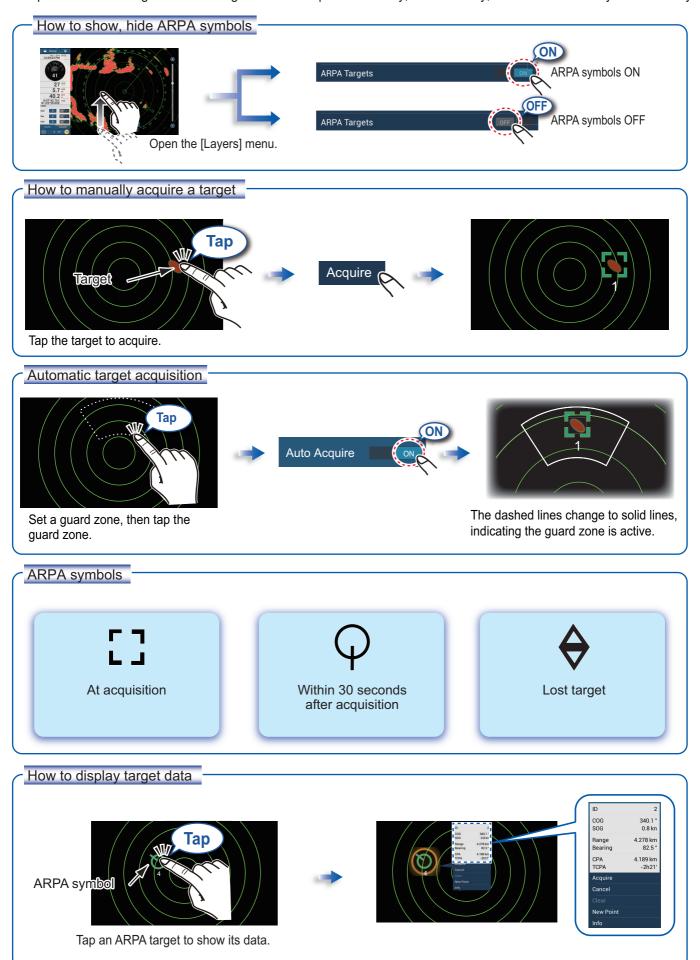
How to set a guard zone

A guard zone alerts you (with aural and visual alarms) when a radar target enters the area you specify.



ARPA Operation

ARPA is an anti-collision aid that tracks the movement of other ships to help prevent collision. ARPA not only tracks other ships but also provides their navigation data. Targets can be acquired manually, automatically, or both automatically and manually.



CPA/TCPA alarm

The CPA/TCPA alarm releases an aural alarm and a visual alarm (message in Status bar) when both the CPA and TCPA of a tracked target are equal to or lower than the CPA/TCPA alarm setting.

CPA: Closest point of approach

TCPA: Time to closest point of approach

How to set the CPA/TCPA alarm







Set the alarm value, then tap [✓].

How to acknowledge the CPA/TCPA alarm

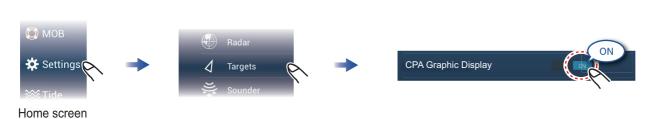
Tap the alarm message (top of screen) to acknowledge the alarm and stop the aural alarm.



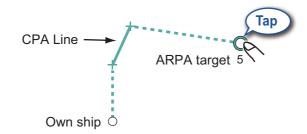
CPA Line

The CPA Line feature gives you a visual line that depicts the closest point of approach to a selected ARPA target. To use this feature, own ship position and heading data is required.

How to enable the CPA Line feature

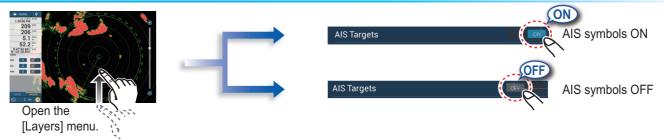


How to show the CPA Line



AIS (Automatic Identification System)

How to show or hide AIS target symbols



AIS target symbols

	Class A AIS	Class B AIS	BFT* AIS
Activated target	SOG and COG vector	SOG and COG vector	SOG and COG vector
	Color: Blue	Color: Green	Color: Blue (filled)
Dangerous target	Color: Red Flashing		
Lost target	Color - AIS target: Blue - Cross: Red	Color - AIS target: Green - Cross: Red	Color - AIS target: Blue (filled) - Cross: Red

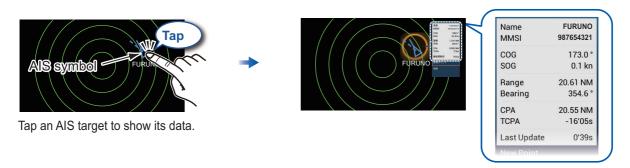
*: Blue Force Tracking

Proximity AIS target alarm

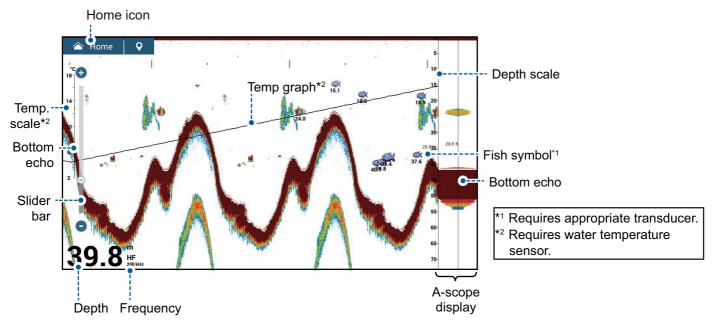
The proximity AIS target alarm releases aural and visual alarms when the distance between own ship and an AIS target is near the alarm value.



How to show AIS target data

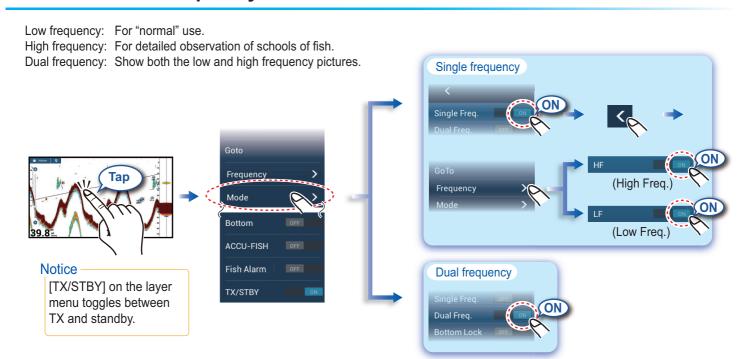


Fish Finder

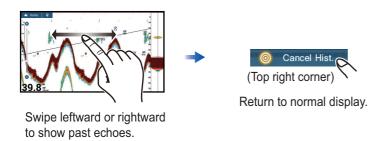


Note: Names of menu items may be changed depending on the transducer connected.

How to select a frequency

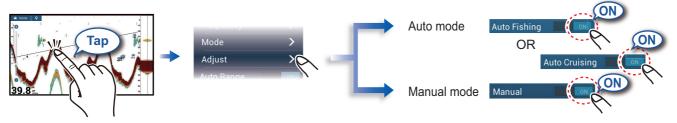


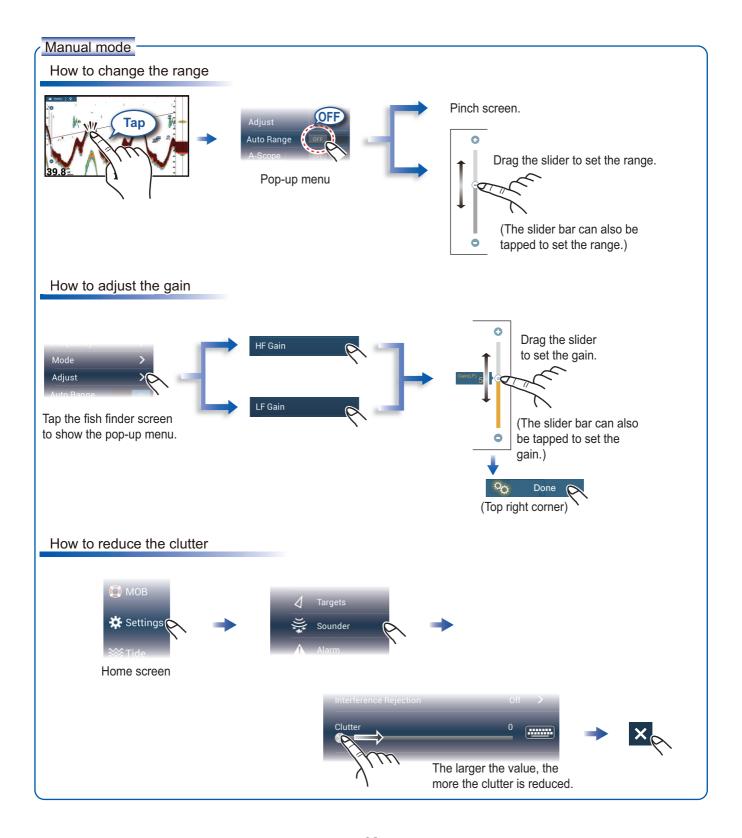
How to show past echoes (echo history)



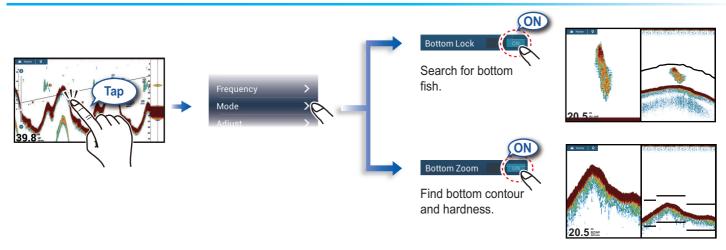
How to select the operating mode

The fish finder is available in automatic and manual operation. For automatic operation, gain, clutter and TVG are automatically adjusted.



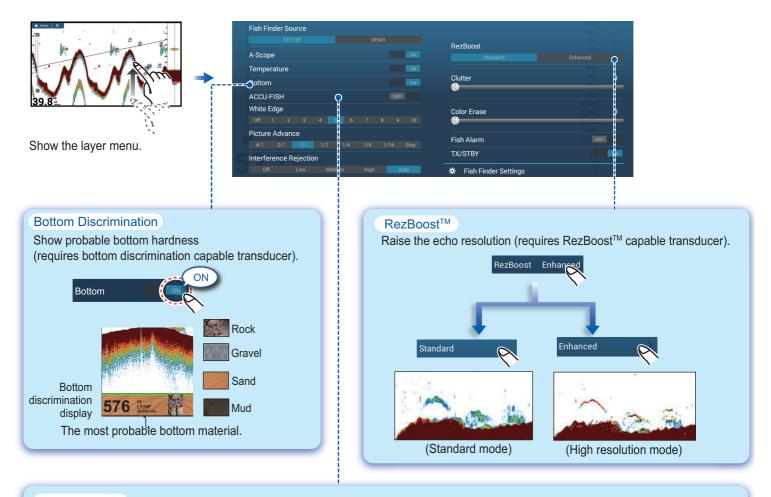


Zoom display



Short tail: Soft bottom Long tail: Hard bottom

ACCU-FISH™/Bottom Discrimination/RezBoost™



ACCU-FISH™

Detected fish can be marked with a fish symbol (requires ACCU-FISH™ capable transducer).



Fish symbol ---• Fish size or depth ---•12

Notice

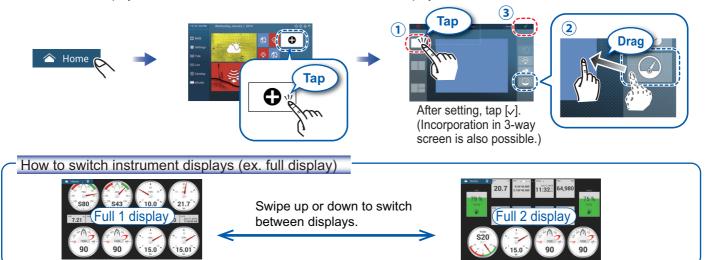
You can select fish symbol type, and fish size or depth indication from the menu - go to home screen, [Settings], [Sounder].

Instrument Display

With connection of appropriate sensors, the instrument display shows various navigation data.

How to enable the instrument display

Add an instrument display icon to the home to screen to show the instrument display.



How to edit an instrument display



Tap the instrument display, then tap [Edit Page] on the pop-up menu.

Edit mode



A white line surrounds each indication.



In the edit mode, you can remove, change, add, rearrange indications.

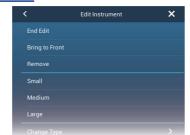
To end the edit mode

Tap the screen, then tap [End Edit] on the pop-up menu.

How to remove or change an indication



In the edit mode, tap the indication to remove or change.



- Remove indication: Tap [Remove].
- Change size: Tap [Small]*, [Medium], or [Large].
- Change type: Tap [Change Type].
- Change indication: Tap indication in [NAVIGATION DATA], [ROUTE INFORMATION], [WIND AND WEATHER].

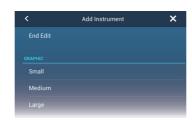
Note: Drag the menu to show hidden items.

* Graphic, digital only

How to add an indication



In the edit mode, tap a location not occupied by an instrument display.



Tap a size in desired category.



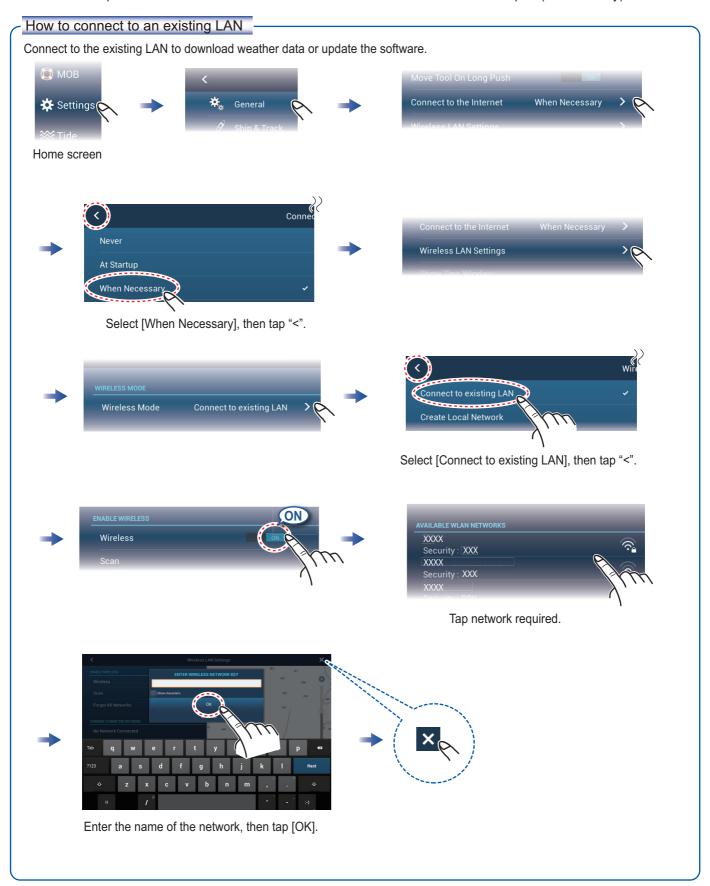


Added item appears at tapped location.

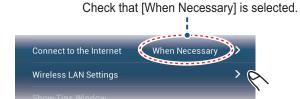
Wireless LAN Settings

You can connect to the internet with the wireless LAN signal to download weather information and to connect to an iPhone, iPod, iPad, or Android™ device.

Note: This procedure is not available from a monitor connected to the HDMI OUT2 port (TZT2BB only).



Create a local wireless network to connect to an iPhone, iPod, iPad, or Android device.

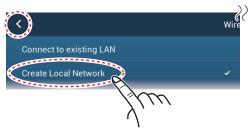




Home screen



Check that [OFF] is selected.



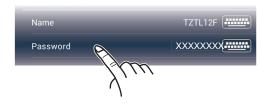
Select [Create Local Network], then tap "<".



To change the network name, tap [Name]. Note: The default network name is the name of your equipment. In this example, "TZTL12F" is the name of the network.



Enter the name of the network, then tap $[\checkmark]$.



To change the password, tap [Password]. Note: A default password is automatically generated.



Enter the password, then tap $[\checkmark]$.





Connect to the NavNet TZ touch 2 from the smartphone or tablet.



