

Centurion Fe

2025 Display User Manual



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Configuration

Display

Home Screen

Note: On the main display, when an icon is tapped, the corresponding information will display.



Tab Controls

ICON	DESCRIPTION
	Tap the up or down arrows to adjust the CATS; ranging from -50 to +50.
	Docking Lights PDM Output
	Tower Lights PDM Output
	Interior RGBW Output



In the RPM gauge area, under MPH, tap OFF to toggle ON cruise control (the button will turn a gradient blue when active) and re-tap to deactivate cruise control. Tap the negative or plus icons to adjust the MPH speedometer.



To (de)active the camera.

Gauges

The gauges are shown in the table below. Note: Besides the RPM analog, all of the listed gauges are displayed on all pages: Home, Surf, Ballast, Maps, Lighting, Profile, Settings.

ICON	DESCRIPTION
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	RPM
	Water depth
	Water temperature
	Fuel gauge

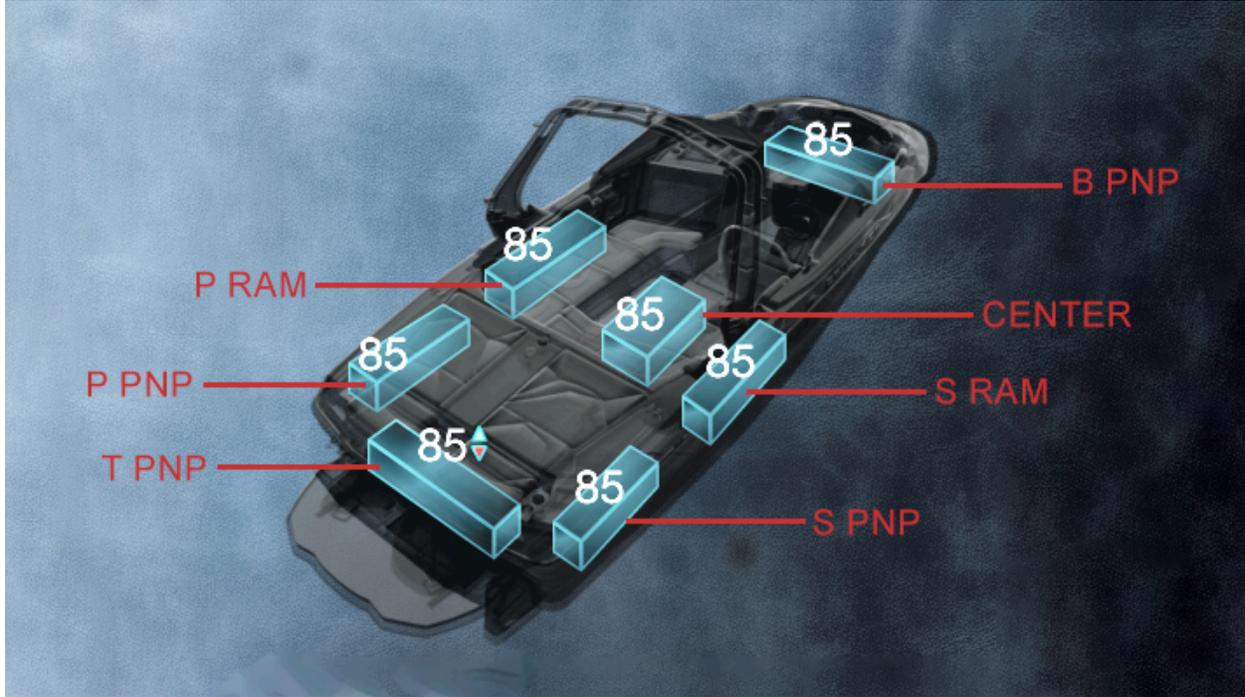
	<p>Battery voltage</p>
	<p>Engine temperature</p>
	<p>Oil pressure</p>
	<p>Nav Anchor state</p> <p>Legend:</p> <ul style="list-style-type: none"> ● White = neither NAV <i>or</i> ANC ON. ● Green = ANC ON. ● Blue = NAV <i>and</i> ANC ON.

Ballasts Screen

From the main display, in the top navigation pane, tap the Ballast icon (3rd symbol).



Ballast Controls



Trailer Mode

- From the Ballast page, tap Trailer Mode.
- The Trailer Mode pop-up dialog box displays open and close options to the fill or drain gates.
- Note: The trailer mode should only be used when the boat is out of the water. Make sure to close the gates before launching.
- Locate the Fill Gates area and tap Open or Close.

- Locate the Drain Gates area and tap Open or Close.
- Note: Under the Open and Close buttons in the Fill Gates and Drain Gates areas, a message displays if both gates are opened or closed.
- Gates will automatically close when the engine is turned on.
- When finished, tap Done.

Ramfill Ballasts



- To select a specific ballast, tap the appropriate ballast.
- Note: The selected ballast will reflect in the ballast gauge.
- Note: A respective green up arrow will display next to a filling ballast.
- Note: A respective red down arrow will display next to a draining ballast.
- To fill the selected ballast, tap Fill.
 - Note: To halt the fill, tap Stop.
- To drain the selected ballast, tap Drain.
 - Note: To halt the drain, tap Stop.
- To simultaneously fill the ballasts, tap Fill All.
 - Note: The Ramfill Fill Disabled pop-up dialog box will appear if the boat speed is not between 8-15 MPH.
- To simultaneously drain all the ballasts, tap Drain All.
 - Note: The Ramfill Drain Disabled pop-up dialog box will appear if the boat speed is not between 8-23 MPH.
- When filling or draining options are selected, a Stop All button will appear. To halt, all ballasts from filling or draining, tap Stop All.

Switching Screen

Note: To enable all RGBW options please adhere to the following steps:

- Activate the [Restricted Settings](#).
- Navigate to the [Dealer Options](#) > Switching section > Toggle ON each setting to activate all options.
- Locate [Dealer Options](#) > RGBW > Tap RideController LED+

From the main display, in the top navigation pane, tap the Lighting icon (5th symbol).



RGBW Outputs

- Locate the appropriate RGBW output(s):
 - RGBW
 - To apply the same color for all outputs.
 - Color editing capabilities for specific outputs.
 - Tower SPK
 - Interior SPK
 - Interior
 - Underwater
- To activate an RGBW output, tap the appropriate output(s).
- To edit the color option for the selected output(s), tap RGBW.



- Note: the RGBW output button name changes to RGBW ALL.
- Note: The RGBW ALL feature simultaneously applies the chosen color to all RGBW outputs.



- The RGBW pop-up dialog box displays.
- In the RGBW All Zones area, set the appropriate color with either one of the presets or the color wheel and brightness slider:
 - To quickly apply a color, locate the 4 preset color options.
 - Tap the appropriate color.
 - Alternatively, to apply a custom color, simultaneously touch and slide the circle on the color wheel to the appropriate color.
 - To adjust the brightness, simultaneously touch and slide the brightness slider to the appropriate setting.
 - To set the custom color as a preset, touch and hold on a pre-existing preset color.
 - The selected preset color is now updated.



- To apply a color to a specific RGBW output, locate the appropriate RGBW output.
- Tap the respective Edit icon.
- Note: In the RGBW pop-up dialog box, the RGBW All Zones area is renamed to reflect the selected output.
- Set the appropriate color options.



- To individually set colors for the remaining RGBW outputs, repeat the process.

Switching Outputs

- Locate the appropriate switching output(s):
 - Dock
 - Tower
 - Heater
 - Seat Heat



- To activate, tap the appropriate switching output(s).
- To deactivate, re-tap the appropriate switching output(s).

Surf Screen

Tab Controls

Buttons exclusively on the Surf Screen page are shown in the table below.

ICON	DESCRIPTION
	<p>The P Tab Setpoint (Port) allows for setting the value (up and down arrows) of the left side of the vessel when facing the bow, or front, of the boat. Note: this feature is only available if the Surf Right or Quick Surf button is tapped.</p>
	<p>The C Tab Setpoint (Center) allows for setting the value (up and down arrows) of the center of the vessel. When speed reaches 20 MPH, C tab goes to 50%, when speed reaches 25+ mph C tab goes to 20%.</p>
	<p>The S Tab Setpoint (starboard) allows for setting the value (up and down arrows) of the right side when facing the bow, or front, of the ship. Note: this feature is only available if the Surf Left button is tapped.</p>
	<p>The Quick Surf feature automatically activates the Surf Right function, and applies an editable value for the P Tab Setpoint gauge (the port).</p>
	<p>The Quick Launch feature disables the Quick Surf function and only engages C tab</p>



Surf Right shifts the boat on the right and enables the P Tab Setpoint (Port) C Tab Setpoint (Center) options.



Surf Left shifts the boat on the left and enables the C Tab Setpoint (Center) and S Tab Setpoint (starboard) options.

From the main display, in the top navigation pane, tap the Surf icon (2nd symbol).



Save/Save As

- To set the appropriate options, tap Edit.
- To save the applied tab settings, tap Save.
- In the Save Tab Settings pop-up dialog box, tap Save As.
- The Profile page displays.
- In the Profile page, apply the appropriate settings.
- Note: To gain a step-by-step understanding of how to apply the settings, please refer to the [Profile Popup](#) section.
- When finished, tap Save.

Profile Popup

From the main display, in the top navigation pane, tap the Profile icon (6th symbol).

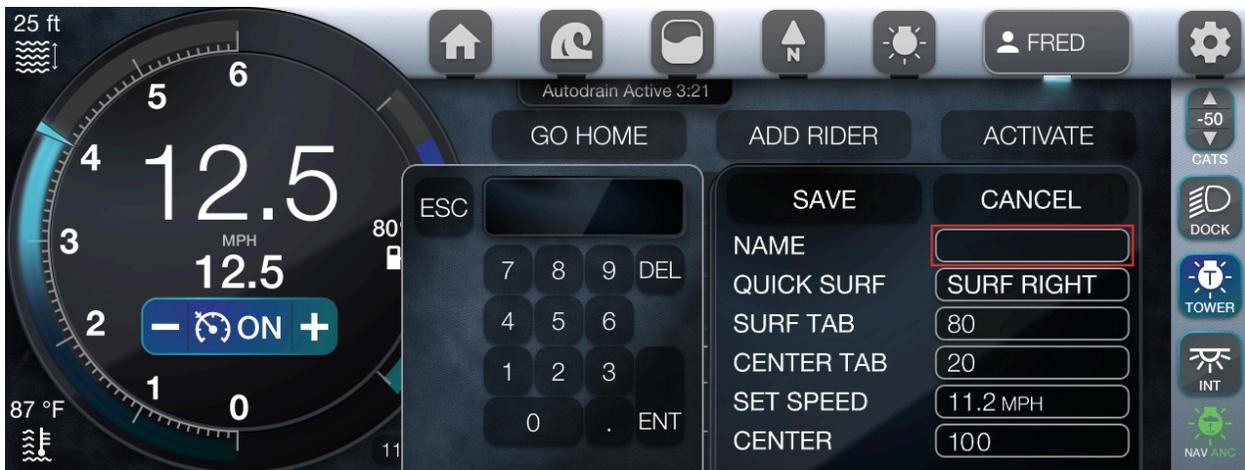


Create New

- To create a new profile, tap Add Rider.



- Tap the Name field.



- In the pop-up dialog box, enter the appropriate information.



- When finished, tap Enter.



- Tap the Quick Surf field until the desired option is displayed.



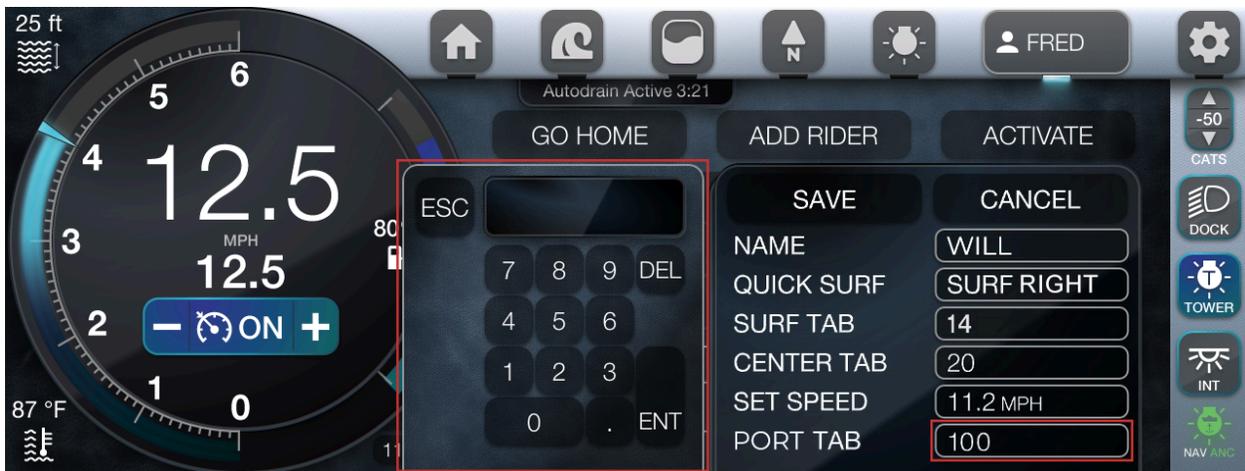
- Tap the Surf Tab field and locate the left-adjacent window.



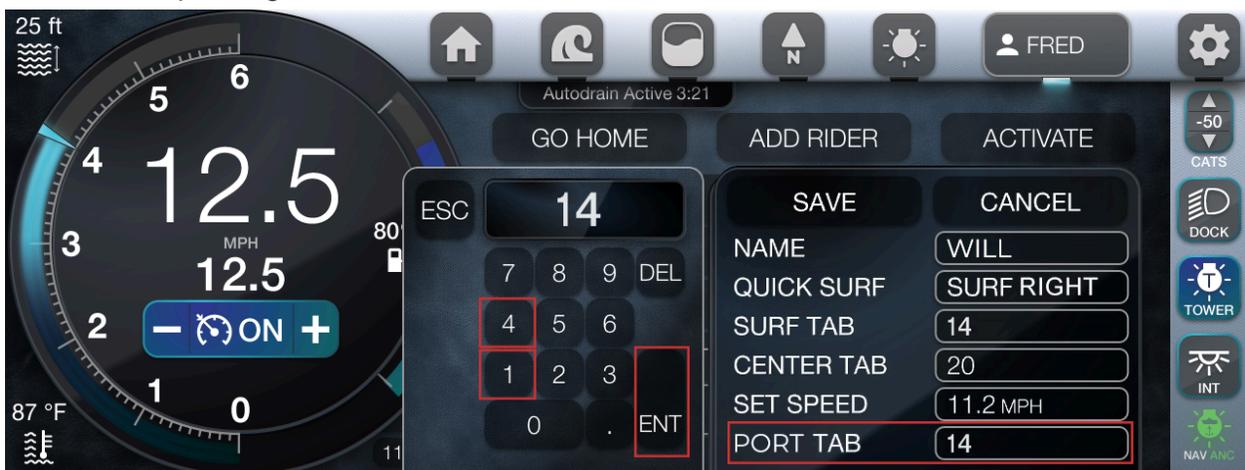
- Enter the appropriate value and tap Enter. Note: The field is now populated with the corresponding data.



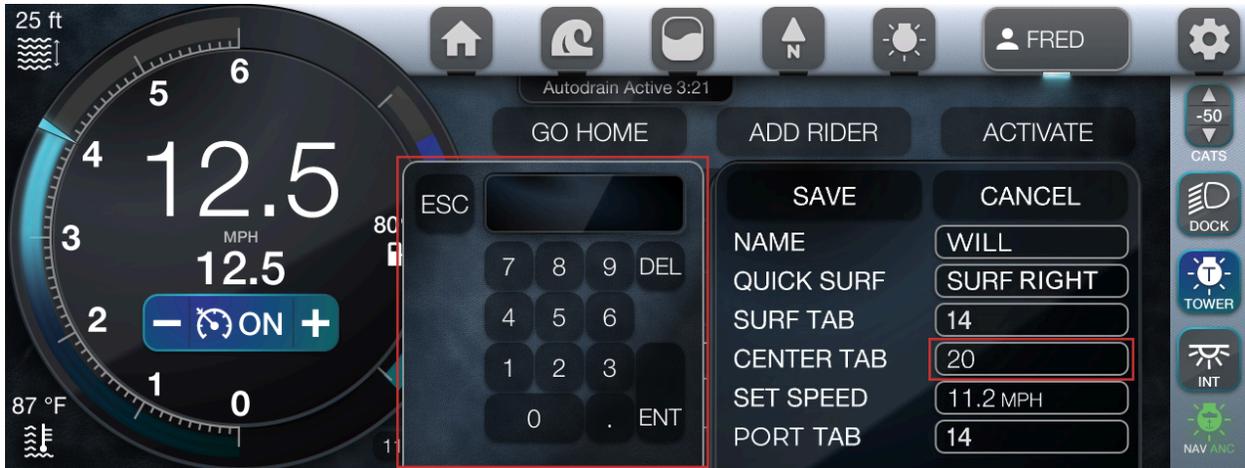
- Tap the Port Tab field and locate the left-adjacent window.



- Enter the appropriate value and tap Enter. Note: The field is now populated with the corresponding data.



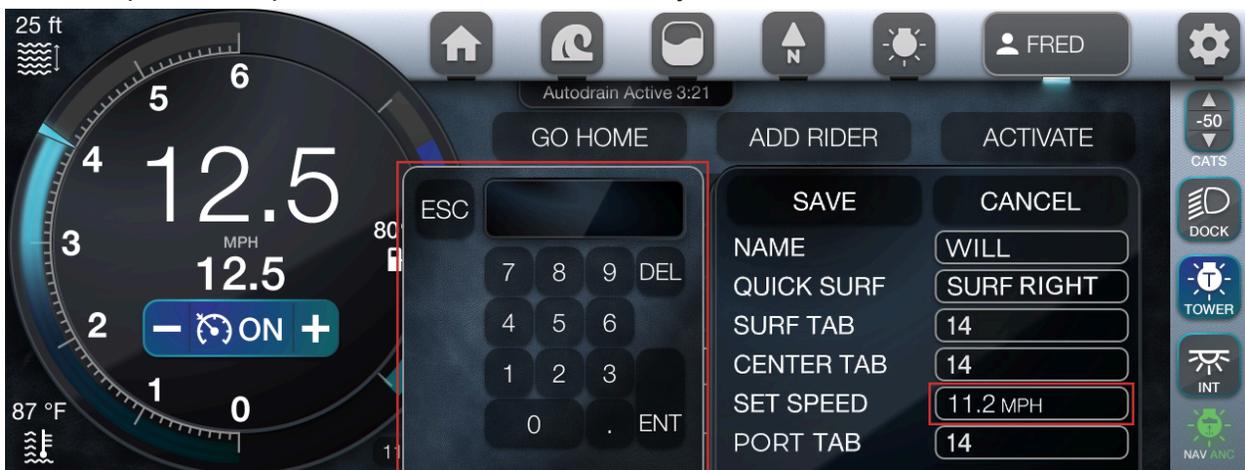
- Tap the Center Tab field and locate the left-adjacent window.



- Enter the appropriate value and tap Enter. Note: The field is now populated with the corresponding data.



- Tap the Set Speed field and locate the left-adjacent window.



- Enter the appropriate value and tap Enter. Note: The field is now populated with the corresponding data.



- To locate additional options, simultaneously touch and scroll up on the Profile menu.
- To apply additional settings, repeat the previous steps.
- To save the profile, tap Save.
- The profile is now displayed.



Edit Profile



- Note: Default profiles are uneditable.
- Locate and tap the appropriate profile.
- Tap Edit.
- Tap the appropriate field.
- Note: To change the quick surf option, continuously tap the Quick Surf field to cycle through the options. All other field options require an entered value.
- Locate the left-adjacent window and enter the appropriate value.
- To confirm, tap Enter.
- The new value is now displayed in the corresponding field.
- When finished, tap Save.



Go Home Mode



- Note: When the Go Home feature is selected, all ballasts will drain and cruise control will automatically set to 22 MPH.
- From the main display, in the top navigation pane, tap the Profile icon (6th symbol).
- Tap Go Home.
- The option is now activated.

Activate/Deactivate Profile



- Locate and tap the appropriate account. Note: Surf Left, Surf Right, Pro Surf Left and Pro Surf Right are default profiles.
- Once the profile is selected, the corresponding information will display.
- To activate the chosen profile, tap Activate.
- In the Change Profile pop-up dialog box, tap Yes.
- Note: The Ramfill Fill Disabled pop-up dialog box will appear if the speed is not between 8-15 MPH. If this occurs, tap Ok to proceed.
- The profile is now activated!
- Note: The applied profile may alter the RPM gauge, if the Set Speed value differs.
- To deactivate the profile, tap the active profile.
- Tap Deactivate.



Maps Screen

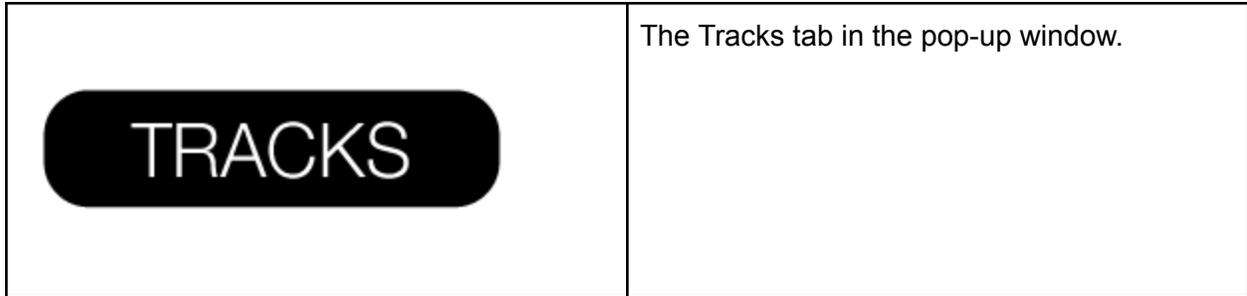
Map Controls

Buttons exclusively on the Map page and pop-up window are shown in the table below:

ICON	DESCRIPTION
	To zoom in the map.
	To zoom out the map.
	To view your current location.
	To change the map orientation.

	To add a waypoint.
	To add a track.
	To display a list of the waypoints and tracks.
	To orient to the assigned waypoint.
	To center the selected waypoint.

 A white pencil icon inside a black rounded square.	To edit the waypoint/track name.
 A white trash can icon inside a black rounded square.	To delete the selected waypoint or track.
 A white eye icon inside a black rounded square.	To toggle track visibility on/off.
 A white 'X' icon inside a dark blue square.	The Close icon in the pop-up window.
 A black rounded rectangle with the word 'WAYPOINTS' in white capital letters.	The Waypoints tab in the pop-up window.



From the main display, in the top navigation pane, tap the Map icon (4th symbol).



Waypoints

Add a Waypoint



- From the Map page, locate the right-hand corner.
- Tap the Waypoint icon.
- In the pop-up dialog box, enter the appropriate information.
- When finished, tap Enter.

- The waypoint is now displayed on the Map page.

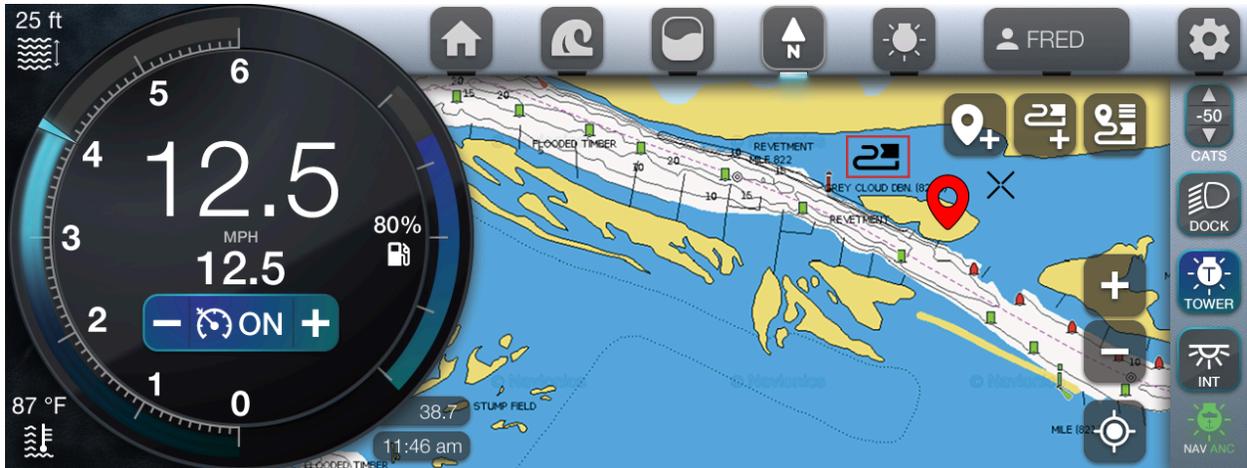


Tracks

Add a Track



- From the Map page, locate the right-hand corner.
- Tap the Track icon.
- In the pop-up dialog box, enter the appropriate information.
- When finished, tap Enter.
- The track is now added.



Popup



Waypoints

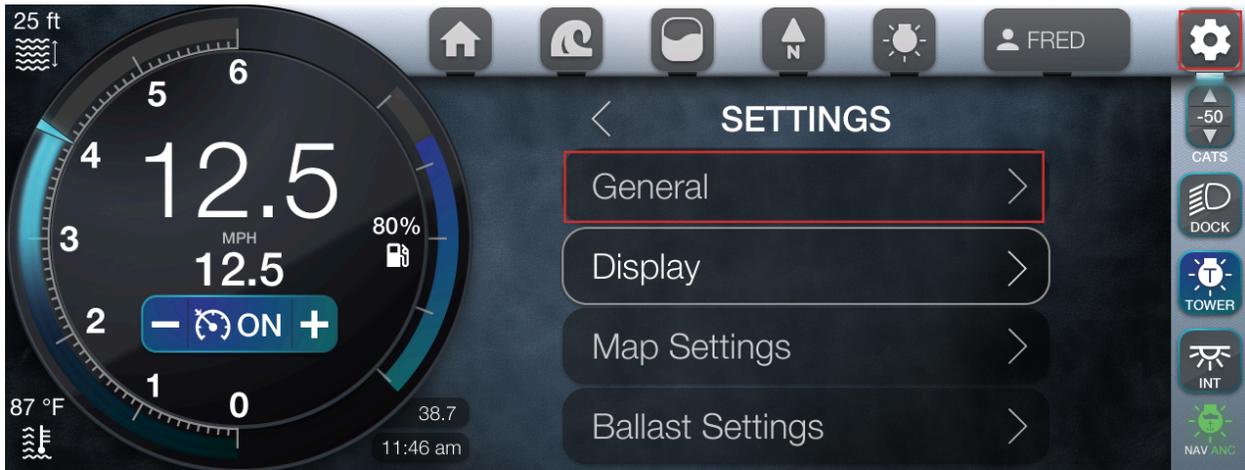
- From the Map page, locate the right-hand corner.
- Tap the Waypoint and Track List icon.
- The pop-up window is displayed on the Map page.
- Note: In the pop-up window, there are 2 tabs: Waypoints & Tracks.
- Tap the Waypoints tab.
- To change the waypoint color, locate the appropriate waypoint.
- To cycle through color options, continuously tap the adjacent waypoint icon.
- The selected color will update on the map.
- The listed waypoints are displayed.
- Each waypoint has 4 corresponding options:
 - Orient to the waypoint (1st icon).
 - Navigate to the waypoint (2nd icon).
 - Rename the waypoint (3rd icon).

- Delete the waypoint (4th icon).
- Apply the appropriate settings for the selected waypoint.
- When finished, tap the Close icon.

Tracks

- From the Map page, locate the right-hand corner.
- Tap the Waypoint and Track List icon.
- The pop-up window is displayed on the Map page.
- Note: In the pop-up window, there are 2 tabs: Waypoints & Tracks.
- Tap the Tracks tab.
- The listed tracks are displayed.
- To change the track color, locate the appropriate track.
- To cycle through color options, continuously tap the adjacent track icon.
- The selected color will update on the map.
- Each track has 3 corresponding options:
 - Toggle the visibility on/off (1st icon).
 - Rename the track (2nd icon).
 - Delete the track (3rd icon).
- Apply the appropriate settings for the selected track.
- When finished, tap the Close icon.

Settings



General

- From the main display, in the top navigation pane, tap the Settings icon (7th symbol).
- In the Settings display, tap General.
- Note: To scroll down the General display, simultaneously touch and scroll up.

Factory Reset

- Note: Must have [Restricted Settings](#) activated.
- Locate and tap Factory Reset.
- In the Factory Reset pop-up dialog box, tap Confirm.
- In the proceeding Factory Reset pop-up dialog box, tap OK.
- Upon restart, the WSIA Information pop-up window will display.
- Tap Accept.
- The default settings are applied.

Change Unit Type

- In the General display, tap Units.
- Tap the appropriate metric option.

Change the Language

- In the General display, tap Language.
- 2 options are displayed:
 - English
 - Portuguese – Brazilian
- Tap the appropriate option.

Change the Clock

- In the General display, tap Clock.
- 3 options are provided:
 - Use GPS Time
 - Note: This feature is activated by default.
 - Toggle on/off to (de)activate.
 - Note: If GPS Time is deactivated, Time Zone and Daylight Savings features disappear and 6 new settings populate:
 - Set Hour
 - Set Minute
 - 12 Hour Time
 - Set Day
 - Set Month
 - Set Year
 - Tap the appropriate option.
 - In the pop-up window, enter the appropriate value.
 - Note: 12 Hour Time is a toggle on/off feature.
 - When finished, tap Enter.
 - The value is now updated.
 - To revert to the General display, to the Back icon.
 - The Save pop-up dialog box automatically displays.
 - To Save the applied settings, tap Save.
 - Time Zone
 - Tap Time Zone.
 - In the Time Zone display, locate and tap the appropriate option.
 - Daylight Savings
 - Toggle on/off to (de)activate.

AIS Inspection Mode

- Note: This feature opens the gates to ensure that zebra mollusks are absent.
- In the General display, locate the AIS Inspection Mode feature.
- Toggle on/off to (de)active.

View the Software Version

- Note: For troubleshooting purposes, the software version is important for manufacturers, dealers, or mechanics.
- In the General display, locate the Software Version feature.
- The corresponding installed software version is displayed.

Reboot to Loader

- Note: This is a rescue-mode restart feature; switches the display into reboot mode; permits loading information onto the USB drive and to re-install software.

- In the General display, tap Reboot to Loader.

Restricted Settings

- In the General display, tap Restricted Settings.
- In the pop-up window, enter the appropriate passcode.
- When finished, tap Enter.
- Note: Additional features will now populate in the Settings display:
 - [Demo Mode](#)
 - [Dealer Options](#)
 - [Reboot](#)
 - [Debug](#)
 - [Export File System](#)

Demo Mode

- Note: [Restricted Settings](#) must be activated.
- In the General display, locate the Demo Mode feature.
- Toggle on/off to (de)activate.

Dealer Options

- Note: [Restricted Settings](#) must be activated.
- In the General display, tap Dealer Options.
- The Dealers Options display, reveals 5 options:
 - Switching
 - Tap Switching
 - 6 Options are displayed:
 - Interior Lights
 - Tower Lights
 - Underwater Lights
 - Docking lights
 - Heater
 - Seat Heater
 - Toggle on/off to (de)active.
 - To revert to the Dealer Options display, tap the Back icon.
 - The selected options will now appear in the right navigation pane on the main display.
 - Note: Activating Heater or Seat Heater will not reflect in the right navigation pane on the main display.
 - RGBW
 - Tap RGBW
 - 2 options display:
 - None
 - RideController LED+
 - Tap the appropriate option.

- Customization
 - Note: This feature provides color customization options for the boat.
 - Note: This feature does not apply the color customization on the Ballast page.
 - Tap Customization.
 - 5 color customization options are displayed:
 - Hull Base Color
 - Hull Front Color
 - Upholstery Color
 - Tower Color
 - Trim Color
 - Note: These 9 color selections are offered for the hull color options:
 - Onyx Black
 - White Frost
 - Whisper Gray
 - Stone Gray
 - Tan
 - Mocha
 - Pink Ribbon
 - Electric Blue
 - Too Lime
 - Note: For the Upholstery Color option, the previous color list applies, with additional colors included:
 - Charcoal
 - Too Red
 - Castano Brown
 - Note: The Tower Color and Trim Color options offer 2 color selections:
 - White
 - Black
 - Apply the appropriate settings.
- CATS Installed
 - Toggle on/off to (de)active.
- Camera Installed
 - Toggle on/off to (de)active.

Reboot

- Note: [Restricted Settings](#) must be activated.
- Note: Reboot is a simplified version of [Reboot to Loader](#). It will only reboot the display.
- In the General display, tap Reboot.

Debug

- Note: [Restricted Settings](#) must be activated.
- Note: This feature shows all (dis)connected devices.

- In the General display, tap Debug.
- The (dis)connected devices are displayed:
 - PDMs
 - Tap the appropriate connected PDM
 - A spreadsheet displays pertinent information:
 - Name of all outputs
 - Status if the State is on/off
 - Fault state
 - Fuse value.
 - Legend color guide:
 - Red = digital inputs
 - Blue = analog inputs
 - Orange = output channels
 - Display
 - Tap Display.
 - The part number and serial number are displayed.
 - Also, a spreadsheet reveals the PIN, function, and notes for the connector.
 - CAN Logger
 - This feature provides logging CAN data on either CAN 1 or CAN 2.
 - Tap CAN Logger.
 - In the JARDUM pop-up window, tap Start.
 - The ports begin incrementing.
 - To halt the logged data, tap Stop.
 - Plug in a USB thumb drive.
 - Tap the Download icon.
 - The CAN data has exported 2 files (port 1 and port 2) to the USB thumb drive.
 - To troubleshoot a feature, tap MIN.
 - When finished, tap the Clear icon.
 - Note: The JARDUM window must be maximized to close the window.
 - Satellite Status
 - Refer to [Map Settings](#) > Satellite Status section.
 - RideController LED+
 - Tap RideController LED+
 - The technical inputs and outputs are displayed.

Export File System

- Note: [Restricted Settings](#) must be activated.
- Note: This is a rescue-mode feature for software issues.
- Plug in a USB thumb drive.
- In the General display, tap Export File System.
- All software is now loaded onto the USB thumb drive.
- Now, software diagnostics can be performed, without the physical device being present.

Display

- In the Settings display, tap Display.
- A singular feature populates if [Restricted Settings](#) is not activated: Brightness.
- Note: Auto-Brightness feature appears once Restricted Settings are active.
- Locate the Brightness button.
- Navigate to the corresponding brightness value.
- Adjacent negative and positive buttons display.
 - Each tap adjusts the brightness by 5 increments.
- Set the appropriate options.
- Tap Auto-Brightness
- 2 options are displayed:
 - GPS Auto-Brightness
 - Ambient Auto-Bright
- Toggle on/off to (de)active the selected option.
- To revert to the General display, tap the Back icon.



- In the Settings display, tap Map.
- The Map settings page displays 10 options:
 - Satellite Status
 - Tap Satellite Status
 - The Satellite Status pop-up window displays the number of satellites and GPS puck status.
 - To exit, tap the Close icon.
 - Show Tracks
 - Toggle on/off to show or hide.
 - Show Waypoints
 - Toggle on/off to show or hide.
 - Maps Color
 - Note: This feature changes the background color of the map display.
 - Tap Maps Color
 - Note: There are 3 options:
 - Blue
 - White
 - Black
 - Tap the appropriate option.
 - Safety Contours
 - Note: This feature permits users to modify the contour depth.
 - Tap Safety Contours
 - Locate the corresponding ft value.
 - Note: adjacent negative and positive buttons appear.
 - Tap the negative button to decrease the value.
 - Tap the positive button to increase the value.
 - Note: re-tapping either button will also display the Off option.
 - Depth Contours
 - Note: This feature permits users to modify the contour resolution.
 - Tap Depth Contours.
 - Locate the corresponding value.
 - Note: adjacent negative and positive buttons appear.
 - Tap the negative button to decrease the value.
 - Tap the positive button to increase the value.
 - Note: re-tapping the either button will also display the All option.
 - Import Tracks
 - Need a thumb drive for importing.
 - Import Waypoints
 - Need a thumb drive for importing.
 - Export Tracks
 - Need a thumb drive for exporting.
 - Export Waypoints
 - Need a thumb drive for exporting.

Engine

- In the Settings display, tap Engine.
- Note: To scroll down the Engine display, simultaneously touch and scroll up.
- The Engine display, reveals useful information:
 - Engine Hours
 - Engine Data Source
 - CAN 1 Bit Rate
 - CAN 2 Bit Rate
 - CAN 1 Termination (Appears when [Restricted Settings](#) is activated)
 - Fuel Reading
- Note: The respective value is displayed on the right-hand side.
- Note: To edit the listed features, activate [Restricted Settings](#).
- To access the fuel reading, tap Fuel Setup.
- The fuel reading is now displayed.
- To revert to the Engine display, tap the Back icon.

PDM

- In the Settings display, tap PDM.
- The PDM display lists the number of configured PDMs.
- A button titled Number of PDMs is displayed with a corresponding value.
- All PDMs are displayed with their respective button.
- Tap the appropriate PDM.
- Each output for the selected PDM is displayed.
- Tap the appropriate output.
- Set the appropriate options.
- When finished, tap Save.
- In the Save pop-up dialog box, tap Confirm.
- To revert to the Output display, tap the Back icon.

Wake

- In the Settings display, tap Wake.
- 7 wake configuration options are displayed:
 - Port Ballast
 - Starboard Ballast
 - Center Ballast
 - Bow Ballast
 - Transom ballast
 - Port Ramfill
 - Starboard Ramfill
- Note: The proceeding steps apply to all wake configurations.
- Tap the appropriate wake configuration option:
- 3 options are displayed:

- Toggle on/off to (de)active the selected option.
- Ballast Empty Time
 - Sets the timer from 100% full to 0% empty
- Ballast Fill Time
 - Sets the timer from 0% empty to 100% full.