



MERCURY®

VesselView Link, 502, and 702

OPERATION MANUAL



For All Multi-Function Displays Using the VesselView Link



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Section 1 - Getting Started

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Declaration of Conformity

VesselView 502

Mercury Marine declares that the following product to which this declaration relates is in conformity with the requirements of EU directive **1999/5/EC R&TTE** (Radio and Telecommunication Terminal Equipment) and satisfies all the technical regulations applicable.

The assessment has been carried out in accordance with **Annex IV** of the above directive.

Product	Mercury Marine VesselView 502
----------------	-------------------------------

This product has been tested to the following standards.

Standard	Description
EN 60950-1:2006	Information technology equipment - Safety - Part 1: General requirements covering the essential requirements of article 3.1 (a) of the R&TTE Directive
IEC 60945:2002	Maritime navigation and radiocommunication equipment and systems - General requirements - Methods of testing and required test results. Covering essential requirements of article 3.1(b) of the R&TTE Directive.
EN 301 489-1 V1.9.2	Electromagnetic compatibility and Radio spectrum Matters (ERM); ElectroMagnetic Compatibility (EMC) standard for radio equipment and services; Part 1: Common technical requirements [RTTE Article 3(1)(b)].
EN 300 328 V1.9.1	Electromagnetic compatibility and Radio spectrum Matters (ERM); Wideband transmission systems; Data transmission equipment operating in the 2,4 GHz ISM band and using wide band modulation techniques; Harmonized EN covering essential requirements under article 3.2 of the R&TTE Directive.
EN 300 440-2 V1.4.1	Electromagnetic compatibility and Radio spectrum Matters (ERM); Short range devices; Radio equipment to be used in the 1 GHz to 40 GHz frequency range; Part 2: Harmonized EN covering the essential requirements of article 3.2 of the R&TTE Directive.


Test Reports

Laboratory	Report Number
Austest Laboratories	0419NAVGO5XSE_60950
EMC Technologies	151215_1, 151215_2
SPORTON LAB	EH3N2752-01, ER4O2349

Notified Body Involved

Name	Address	NB Number
MET Laboratories, Inc.	914 West Patapsco Avenue, Baltimore, Maryland 21230-3432, United States.	0980

I, the undersigned, hereby declare that the equipment specified above conforms to the above Directive and standards for CE marking for sale in the European community.

	Authorized Representative
Address	Mercury Marine, W6250 Pioneer Road, P.O. Box 1939 Fond du Lac, WI 54936-1939
Signature	John Pfeifer, President, Mercury Marine 
Date	06/07/2016

The attention of the purchaser, installer, or user is drawn to special measures and limitations to use which must be observed when the product is taken into service to maintain compliance with the above directives. Details of these special measures and limitations to use are contained in the appropriate product manuals.

VesselView 702

Mercury Marine declares that the following product to which this declaration relates is in conformity with the requirements of EU directive **1999/5/EC R&TTE** (Radio and Telecommunication Terminal Equipment) and satisfies all the technical regulations applicable.

The assessment has been carried out in accordance with **Annex IV** of the above directive.

Product	Mercury Marine VesselView 702
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This product has been tested to the following standards.

Standard	Description
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IEC 60945:2002	Maritime navigation and radiocommunication equipment and systems - General requirements - Methods of testing and required test results. Covering essential requirements of article 3.1(b) of the R&TTE Directive.
EN 300 440-2 V1.4.1	Electromagnetic compatibility and Radio spectrum Matters (ERM); Short range devices; Radio equipment to be used in the 1 GHz to 40 GHz frequency range; Part 2: Harmonized EN covering the essential requirements of article 3.2 of the R&TTE Directive.


Test Reports

Laboratory	Report Number
EMC Technologies (NZ) Ltd.	131216.1, 131216.2
Austest Laboratories	0519NAVNS57evo2_60950, 0409NAVNS57evo2_529

Notified Body Involved

Name	Address	NB Number
MET Laboratories, Inc.	914 West Patapsco Avenue, Baltimore, Maryland 21230-3432, United States.	0980

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VesselView Overview

IMPORTANT: VesselView is a multifunction display (MFD) that is compatible with products manufactured by Mercury Marine Outboards, Mercury MerCruiser, Mercury Diesel. In addition, the VesselView software can be installed on compatible display devices from Lowrance® and Simrad®. Some of the functions explained in this manual will be disabled depending on the power package it is connected to.

IMPORTANT: The VesselView vessel management system consists of two parts; the VesselView unit and the VesselView Link Module. The VesselView Link reads Mercury's SmartCraft data and broadcasts that information across the NMEA 2K network.

VesselView is a comprehensive boat information center that can display information for up to four gasoline or diesel engines. It continuously monitors and reports operating data including detailed information such as water temperature and depth, trim status, boat speed and steering angle, and the status of fuel, oil, water, and waste tanks.

Section 1 - Getting Started

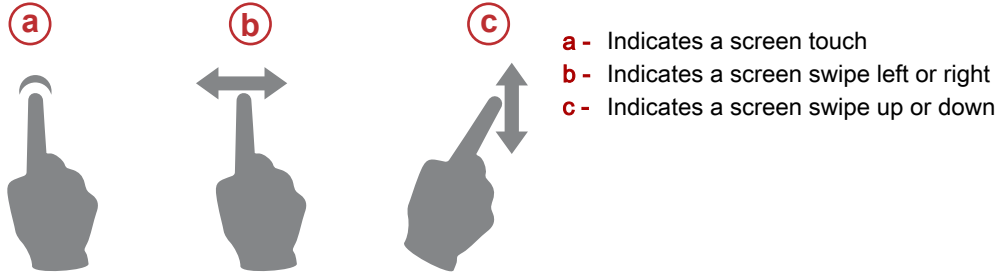
VesselView can be fully integrated with a vessel's global positioning system (GPS) or other NMEA-compatible devices to provide up-to-the-minute navigation, speed, and fuel-to-destination information.

VesselView is a display extension for autopilot and joystick operations. All functionality of these piloting features are controlled through Mercury Marine's autopilot control area network (CAN) pad. VesselView will show if a mode of control is active or in standby; pop-ups will appear as the vessel arrives at waypoints, prompting response to turns. Additional display text can be used to adjust the engines and drives to achieve maximum efficiency.

VesselView is equipped with a micro SD card port that allows the import or export of the vessel personality configuration. It can also be used by the owner to upgrade to the latest software version. When more than one VesselView is used, either as a triple-engine or quad-engine application, or a second helm, the same micro SD card can be used to download those configurations to each VesselView unit.

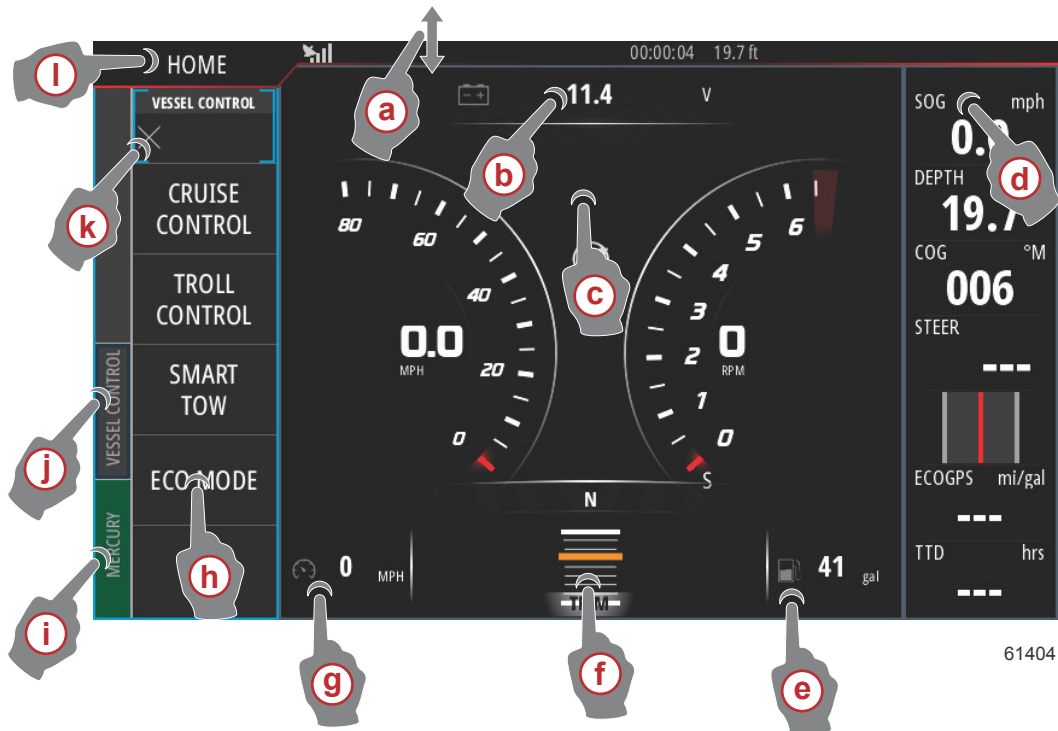
VesselView Screen Display Locations and Descriptions

VesselView has multiple fields that display specific engine information and active modes. To activate and display information through the touch sensitive screen, the operator can use the following gestures.



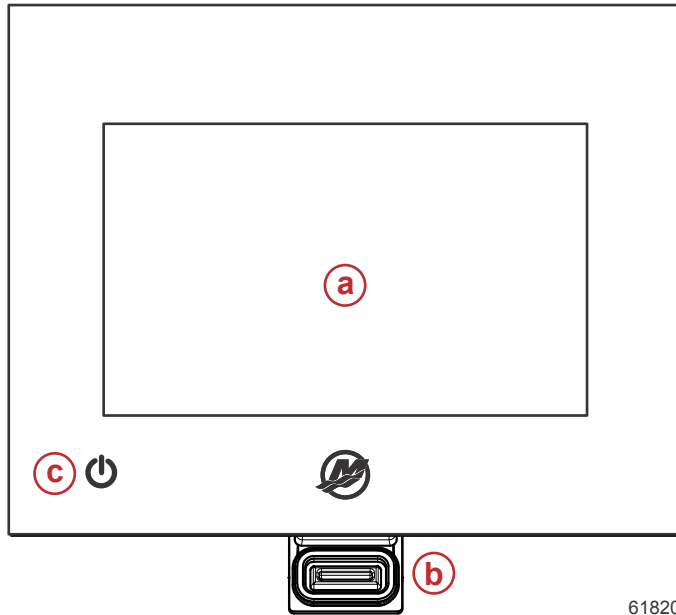
- a** - Indicates a screen touch
- b** - Indicates a screen swipe left or right
- c** - Indicates a screen swipe up or down

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- a** - A downward swipe from outside the touch screen, into the touch screen will bring up the System Controls menu. From here, users can set and adjust the System Settings, Standby mode, Brightness, Wireless options, and display the Instrument Bar on the right-hand side of the screen.
- b** - Touching this district of the screen will enlarge the data displayed.
- c** - Touching this district of the screen will further enlarge the data to fill the display area of the screen.
- d** - Touching this district, with the Instrument Bar active will allow the user to modify or customize the data displayed in the Instrument Bar. Above the Instrument Bar will appear a MENU tab. In the MENU tab users can turn on or off the Autopilot and Audio tile, define the data in Bar 1 and Bar 2, Animate and define the duration cycle of the data animation, and edit data display selections.
- e** - Touching this district of the screen will enlarge the data on-screen.
- f** - Touching this district of the screen will enlarge the trim and tab data on-screen.
- g** - Touching this district of the screen will enlarge the data on-screen.
- h** - Touching any of the tiles in this district of the screen will open the autopilot feature selected.
- i** - Touching the Mercury tab will display engine and vessel data on the left-hand side of the screen. This is helpful when the main screen is populated with autopilot data screens or being used to enlarge a specific data display.
- j** - Touching the Vessel Control tab will bring up the autopilot features associated with VesselView. Selections include: Cruise Control, Troll Control, Smart Tow, and ECO Mode.
- k** - Touching the X will collapse the Vessel Control panel.
- l** - Touching the HOME tab will take the user to the main HOME screen of the VesselView unit. This screen shows the user the Navico® side of the MFD and its features, options, and settings menus. VesselView can be started by touching the Mercury Tile on this screen.

VesselView 502 Front Controls



- a - Touch screen
- b - Micro SD card port
- c - Power-brightness

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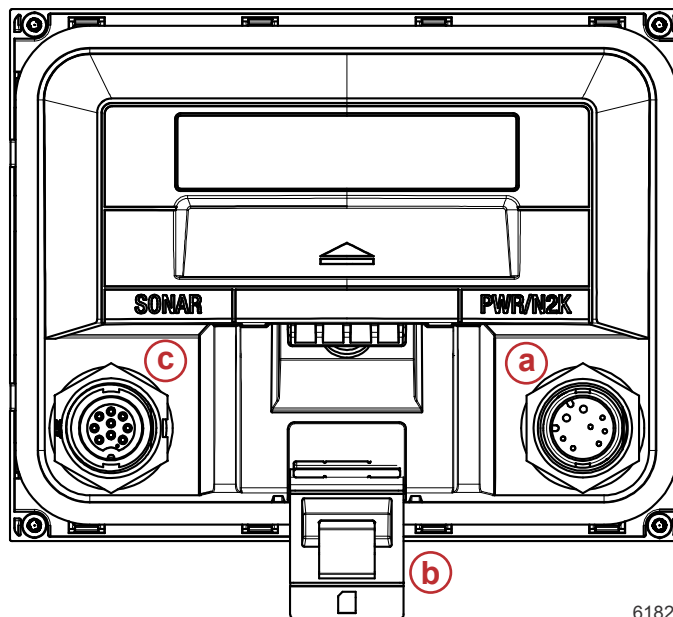
VesselView 502 Front Control Operations

Touch screen: The screen on VesselView 702 has numerous districts that are touch sensitive and operated with a touch, or with a vertical or horizontal swipe.

Micro SD card port: Allows VesselView software to be upgraded, to have navigation charts uploaded, and waypoints and settings to be saved.

Power-brightness: Press once to display the System controls dialogue. Repeat short presses to cycle the backlight brightness. Press and hold to turn the unit ON/OFF.

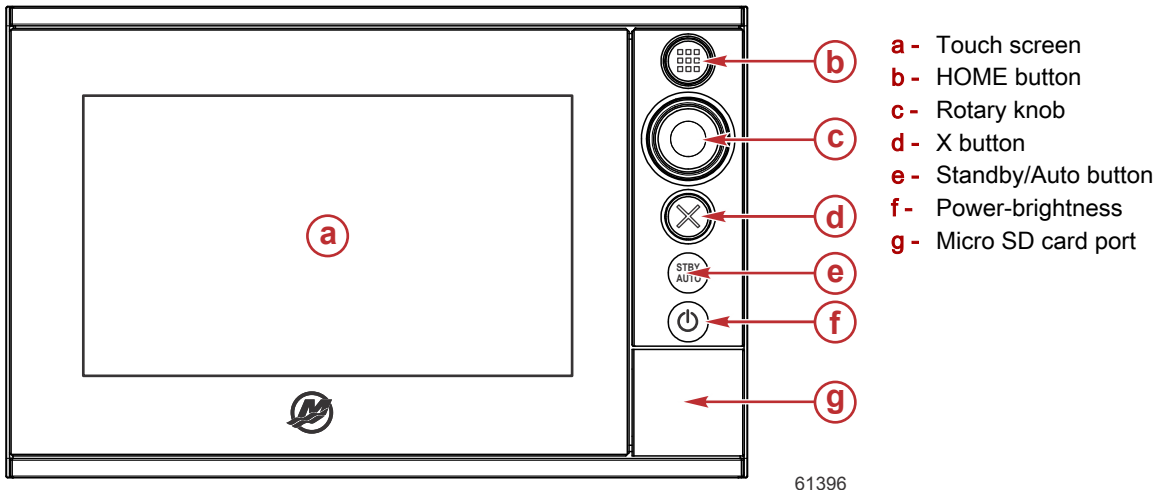
VesselView 502 Rear Panel Connections



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Item	Function	Description
a	Power/NMEA 2K	Provides the power connection/connects to NMEA 2K network
b	Micro SD card port	Allows file transfers and file saving
c	Sonar	Provides a sonar input

VesselView 702 Front Controls



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VesselView 702 Front Control Operations

Touch screen: The screen on VesselView 702 has numerous districts that are touch sensitive and operated with a touch, or with a vertical or horizontal swipe.

HOME: Press once to activate the Home page. Repeat short presses to cycle the favorite buttons. Press and hold to display the Favorite panel as an overlay on active page. Repeat short presses to cycle the favorite buttons.

Rotary knob: Rotate to scroll through menu items, then press to confirm a selection. Rotate to adjust a value. Rotate to zoom a zoomable panel.

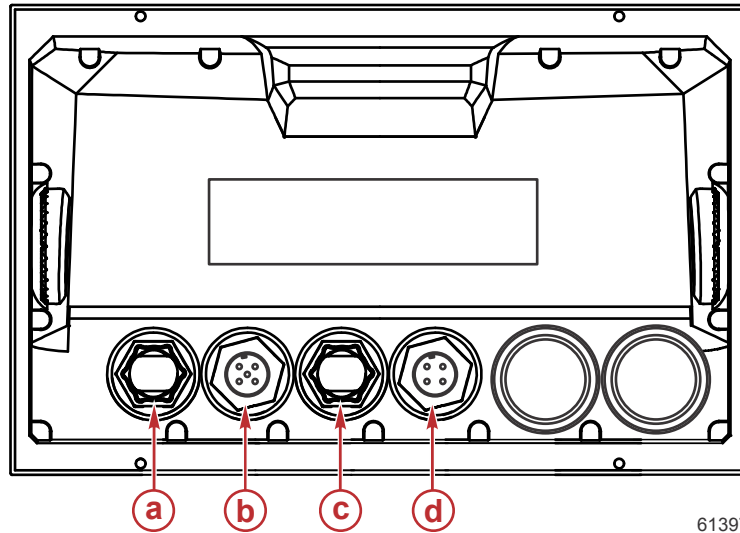
X: Press once to exit a dialogue, to return to previous menu level, and to remove the cursor from the panel.

STBY/AUTO: With the autopilot in any automatic mode: press to set the autopilot to Standby mode. With the autopilot in Standby mode: press to display the autopilot mode selection pop-up.

Power-brightness: Press once to display the System controls dialogue. Repeat short presses to cycle the backlight brightness. Press and hold to turn the unit ON/OFF.

Micro SD card port: Allows VesselView software to be upgraded, to have navigation charts uploaded, and waypoints and settings to be saved.

VesselView 702 Rear Panel Connections



Item	Function	Description
a	Ethernet	Connects to an Ethernet network
b	NMEA 2K	Connects to NMEA 2K network
c	Video in	Provides two composite video inputs
d	Power	Provides the power connection

VesselView Link Overview

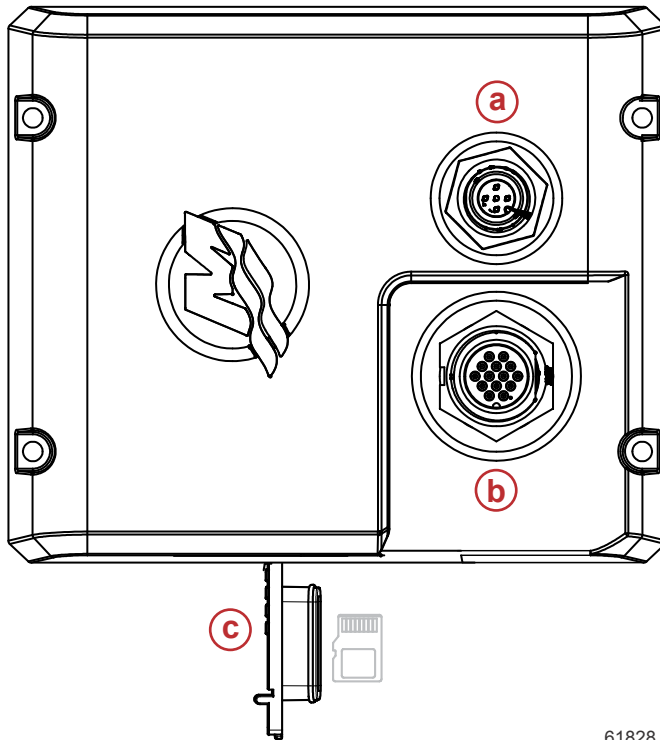
VesselView Link integrates a Mercury-powered boat's SmartCraft data and control system with specific Simrad and Lowrance instruments, providing a fully functional Mercury VesselView user interface on those units' displays. Available as a single-engine or multiengine (two to four engines) interface, Mercury VesselView Link easily installs beneath the boat's dash. It is engineered to work with the following instruments:

- VesselView 502
- VesselView 702
- Simrad NSS evo2
- NSO evo2 marine processors
- Lowrance HDS Gen 2 Touch
- Lowrance HDS Gen 3 fish finder/chartplotters

Mercury's new VesselView Link provides the user with instant access to advanced Mercury SmartCraft features, including:

- ECO mode
- Troll Control in 10-RPM increments
- Cruise Control—RPM or speed-based
- Smart Tow tow sport launch control system—RPM or speed-based, with customizable user launch profiles and a new intuitive interface
- Descriptive fault text for any potential propulsion issue available in 16 user-selectable languages.

VesselView Link Connections

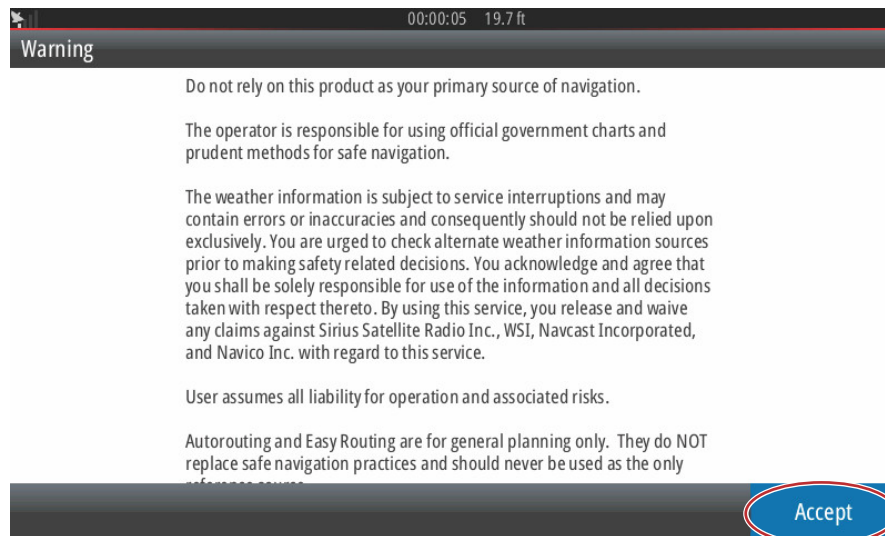


- a** - NMEA 2K connection
- b** - SmartCraft/power connection
- c** - Micro SD card port

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Safe Boating Screen

Each time that VesselView is powered on, after a complete shutdown of 30 seconds or more, a screen containing advisories regarding boating safety is displayed to the operator. Touch the Accept button to continue.



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How to Update Your VesselView Software

There are two ways that the VesselView software can be updated.

Wi-Fi Automatic Query

The VesselView 502 is equipped with a wi-fi module and Bluetooth connectivity. When powered up, the unit will periodically query the internet to determine if there is an update file available from the Mercury Marine website. A screen notification to confirm updates, and will prompt the operator to accept an update.

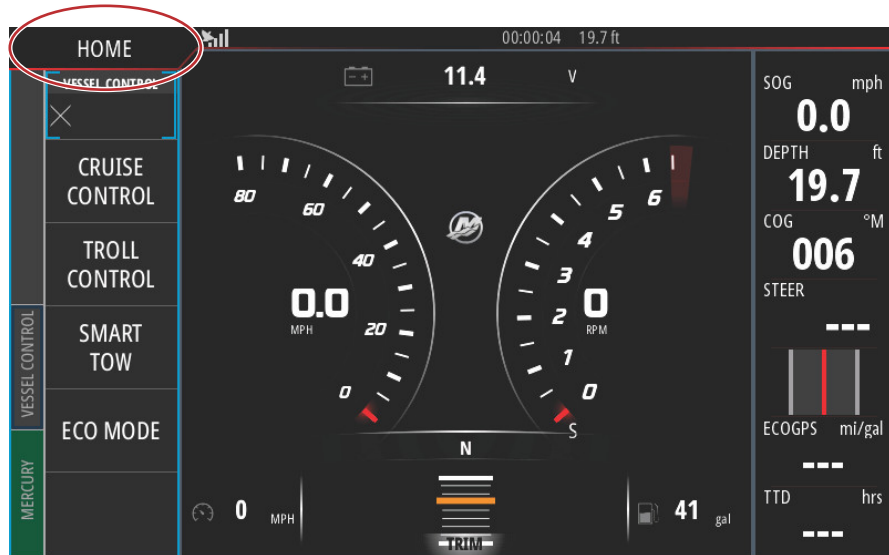
Section 1 - Getting Started

The VesselView 702 has internet connectivity, but must be in the range of a wi-fi hotspot, or mobile device set up to be a wi-fi hotspot, in order to query the internet for any updates on the Mercury Marine website. If an update is detected, a screen prompt will guide the operator through the update process.

Using the Micro SD Card

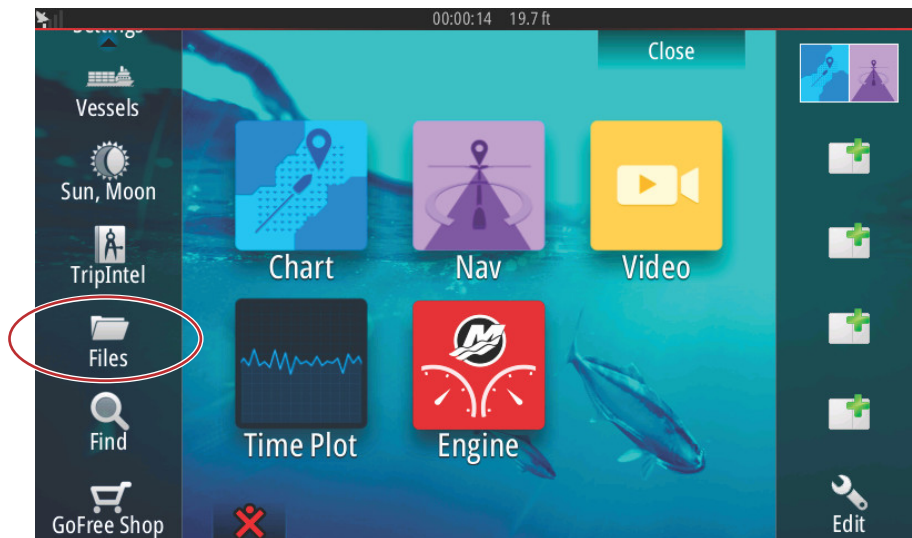
The following instructions explain how to upgrade the VesselView software. Internet access is required to download the version update file from the Mercury website. The ability to transfer the update file to a FAT or FAT 32 micro SD card is also required.

1. Turn the ignition key on and verify that the VesselView is on.
2. Insert the micro SD card into the VesselView micro SD card port all the way until it clicks and stays in place.
3. Touch the HOME tab at the top of the screen to bring up the Home screen.



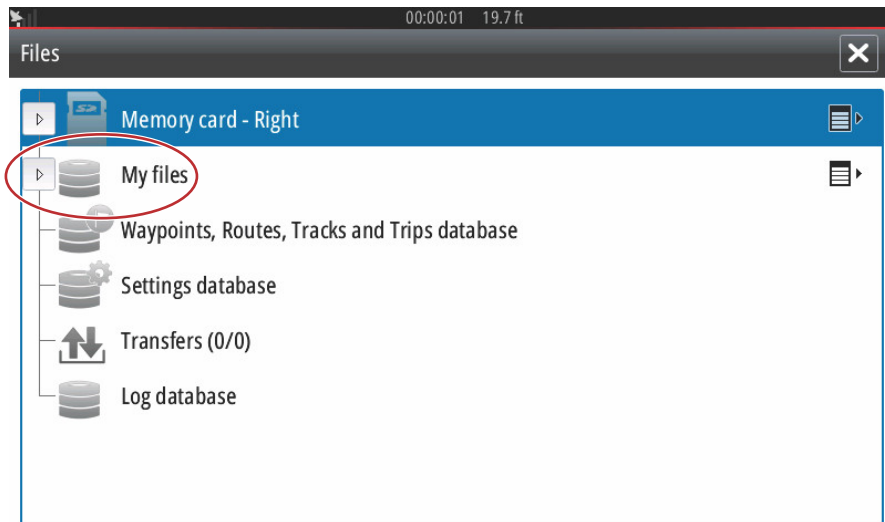
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4. On the Home screen, swipe the left-hand side window to the Files icon.



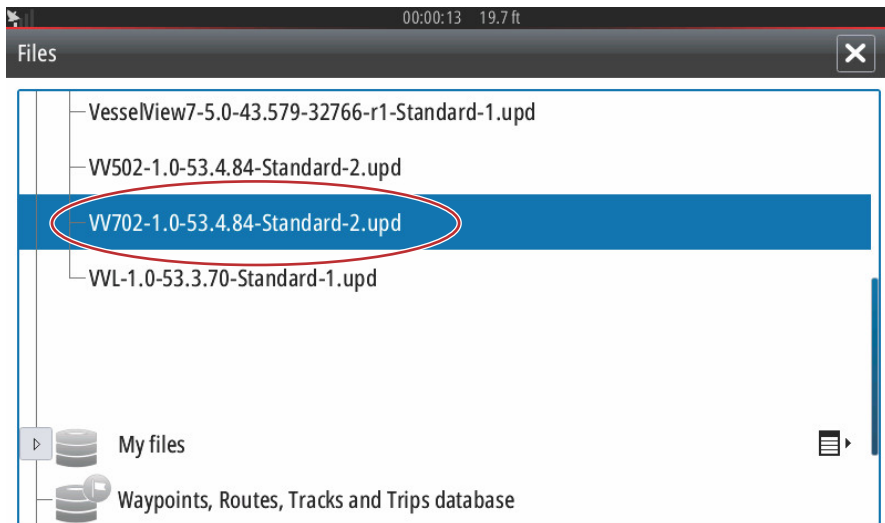
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5. Select My files from the options shown.



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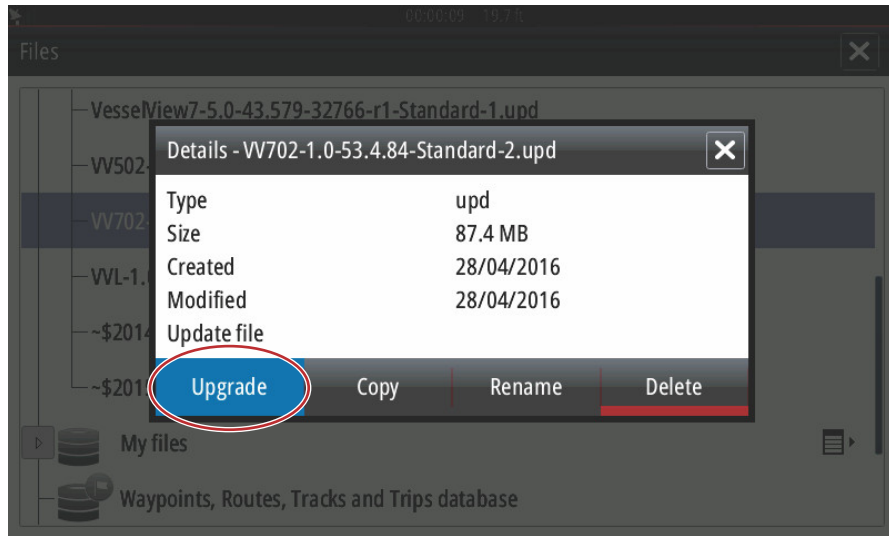
6. Select the file that was downloaded from the Mercury website. The file shown in the following image is for illustrative purposes only, and does not represent the actual file name that you will be selecting.



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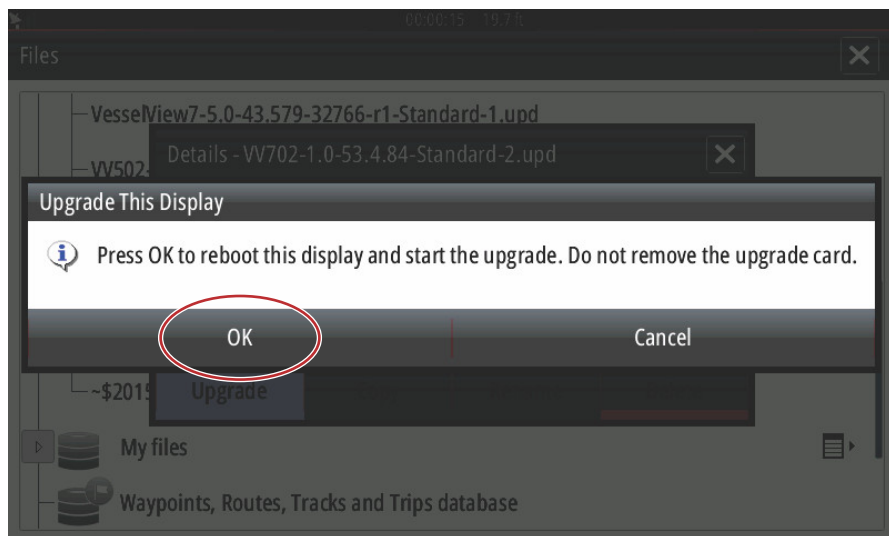
Section 1 - Getting Started

7. Select the Upgrade option in the Details window.



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8. Select OK in the Upgrade This Display window. VesselView will display a progress bar, showing the upgrade progress. Do not power off the display during this step in the upgrade. VesselView will briefly display a Restarting screen. Following the rebooting process, the VesselView will be ready for operation with the upgraded software.



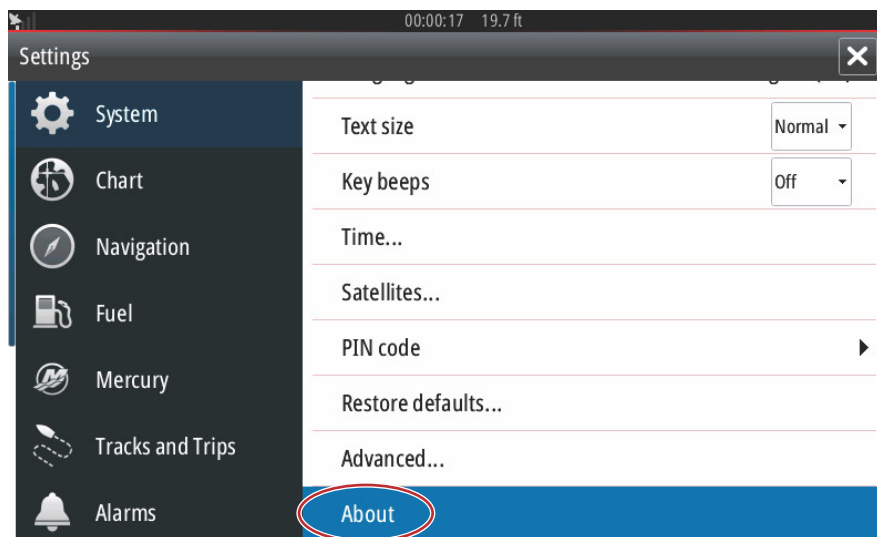
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Obtaining the Latest Software

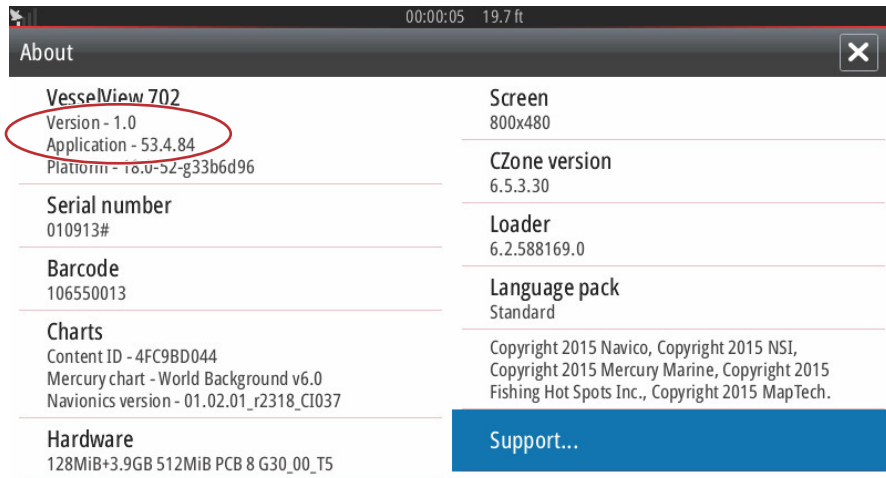
1. The latest software for the VesselView and the Link Module is available on-line for general download at Mercury's website; <https://www.mercurymarine.com>. To understand what software version is in VesselView, power up VesselView. If VesselView is already powered up, swipe from the top of the unit down onto the screen to bring up the System Controls menu. Select Settings>System>About to see the current operating version of VesselView software.



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2. Select the VesselView product and click on Download VesselView Update.
3. Depending on your computer's security settings, a security warning may appear. Click Allow to continue.
4. Create a folder on your hard drive and save the file in this folder.
5. If you are asked to SAVE or RUN, select SAVE and save to your hard drive.

NOTE: The file is typically 80-90 MB in size.

IMPORTANT: Some browsers may change the file extension. Verify that the filename and extension have not changed. The correct extension after the filename should be .upd. Do not rename the file or change the extension.

6. After the file is saved to the hard drive, copy the file to a 512 MB or higher capacity blank FAT or FAT 32 micro SD card root. The root of the drive is the topmost level, where the file is not placed into a folder.

How to Update Your VesselView Link Module Software

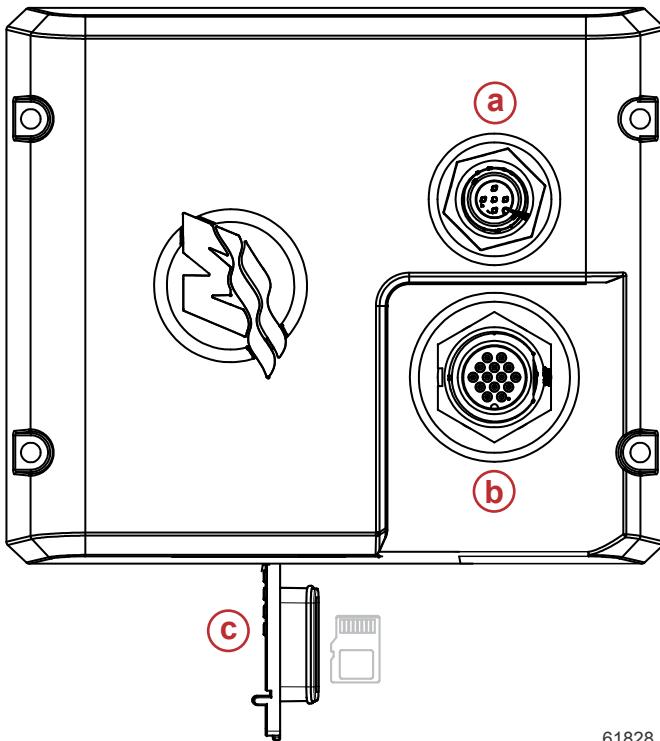
The VesselView Link Module can be updated through the VesselView unit. VesselView Link Module software updates can be found on the Mercury website, on the same screen that the VesselView software updates are located. See **How to Update Your VesselView Software**.

The following instructions explain how to upgrade the VesselView software. Internet access is required to download the version update file from the Mercury website. The ability to transfer the update file to a FAT or FAT 32 micro SD card is also required.

NOTE: The file is typically 30 MB in size.

1. Turn the ignition key on and verify that the VesselView is on.

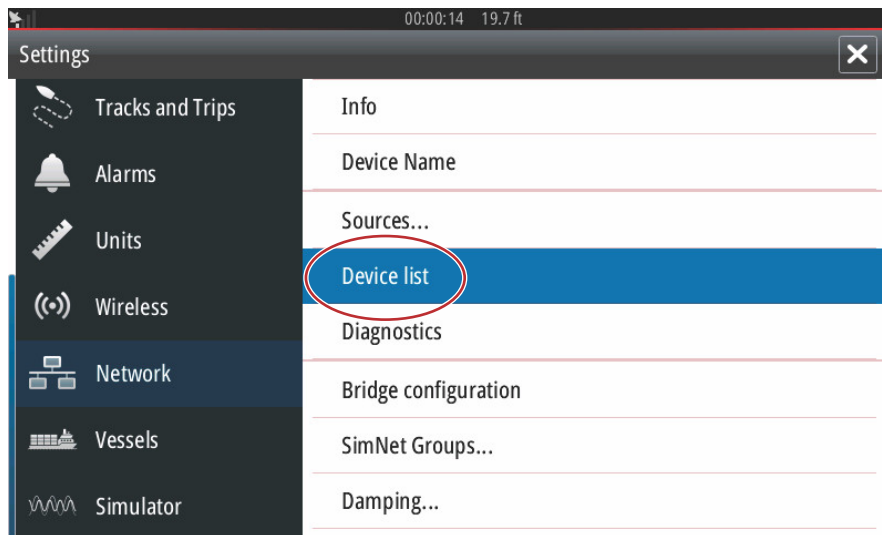
2. Insert the micro SD card into the VesselView Link Module micro SD card port all the way until it clicks and stays in place.



- a - NMEA 2K connection
- b - SmartCraft/Power connection
- c - Micro SD card port

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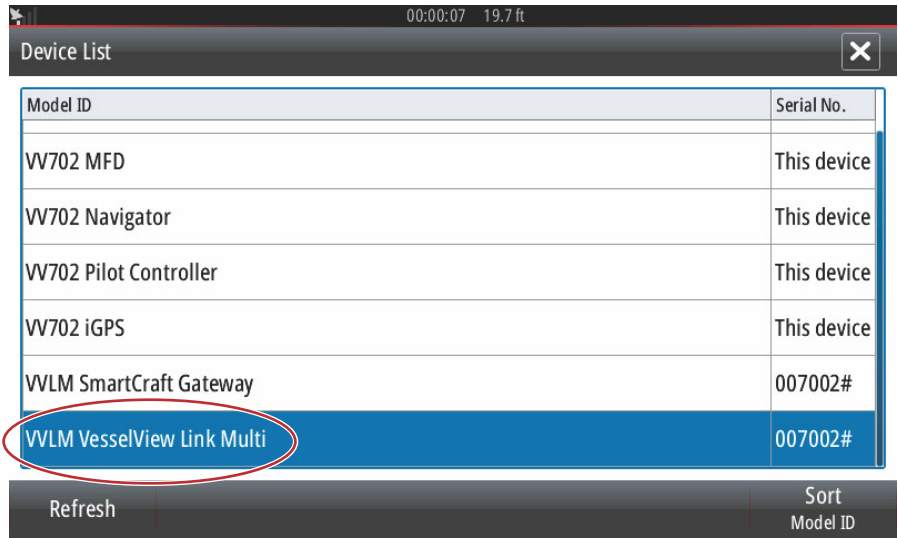
3. Touch the HOME tab at the top of the screen to bring up the Home screen. Navigate to the Settings option in the left-hand window. Select the Network Option. Select Device List.



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Section 1 - Getting Started

4. Select the VesselView Link Module from the list of available devices. The following image is for illustrative purposes only, your VesselView Link Module may show as Single, for a single-engine application.



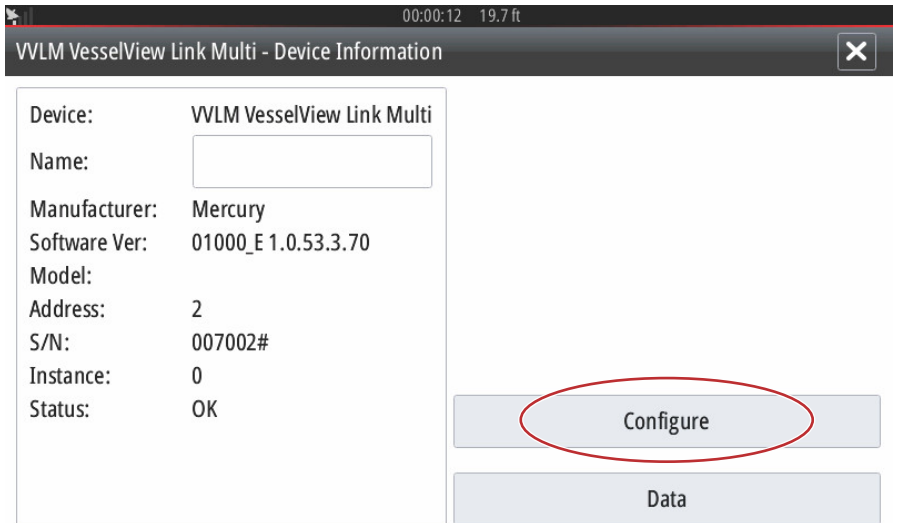
00:00:07 19.7 ft

Model ID	Serial No.
VW702 MFD	This device
VW702 Navigator	This device
VW702 Pilot Controller	This device
VW702 iGPS	This device
VWLM SmartCraft Gateway	007002#
VLM VesselView Link Multi	007002#

Refresh Sort Model ID

61460

5. Select the Configure option.



00:00:12 19.7 ft

VLM VesselView Link Multi - Device Information

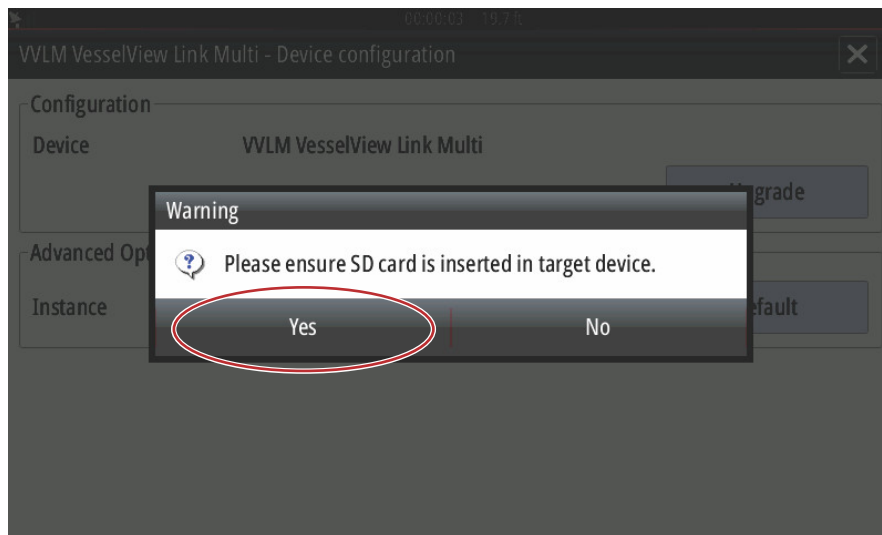
Device:	VLM VesselView Link Multi
Name:	<input type="text"/>
Manufacturer:	Mercury
Software Ver:	01000_E 1.0.53.3.70
Model:	
Address:	2
S/N:	007002#
Instance:	0
Status:	OK

Configure

Data

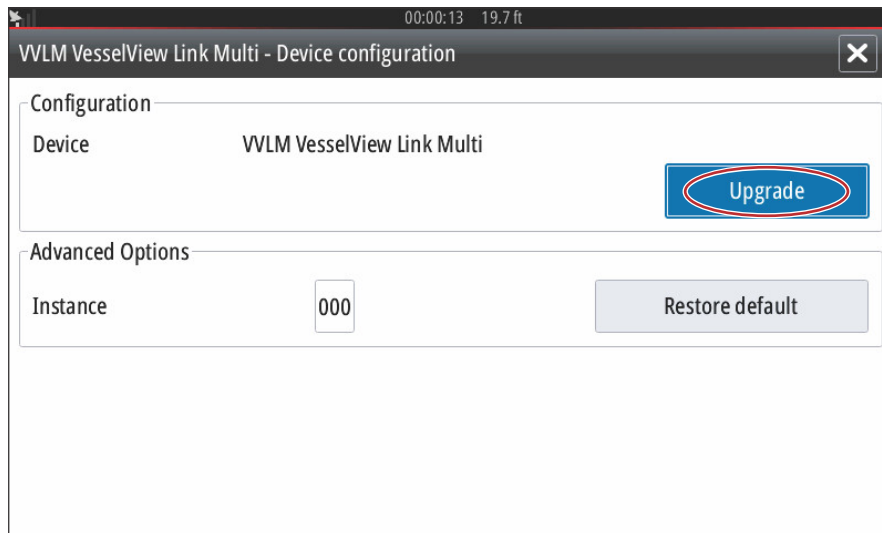
61461

6. Confirm that the SD card is properly inserted in the VesselView Link Module, and select the Yes option.



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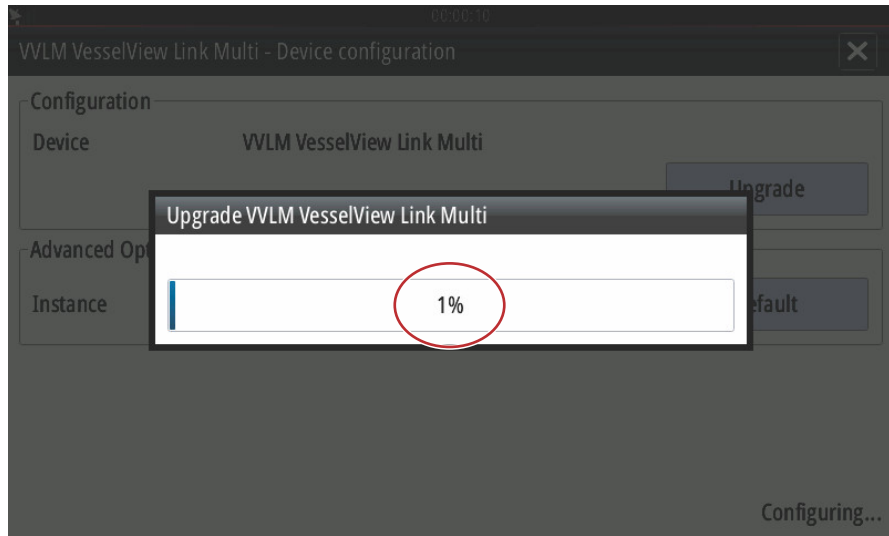
7. Select the Upgrade option in the Device configuration window.



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Section 1 - Getting Started

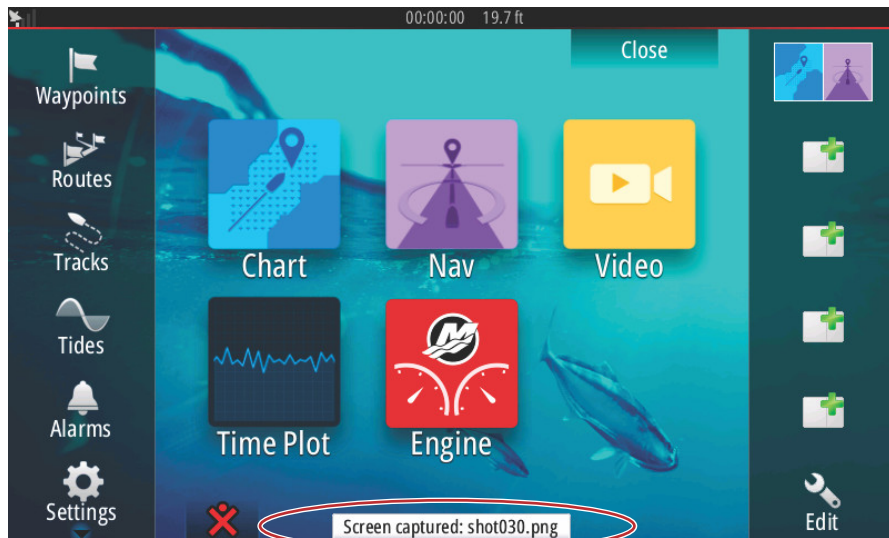
- VesselView will display a progress bar, showing the VesselView Link Module upgrade progress. Do not power off the display during this step in the upgrade.



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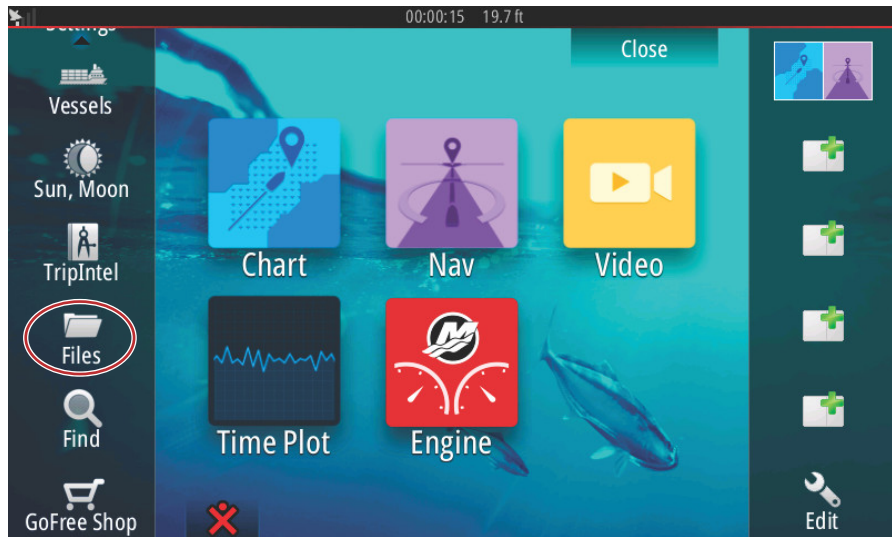
Creating Screen Captures

VesselView has the ability to capture complete screens and store them for download to a SD card. When the unit is powered up and the capture of a screen is wanted, press the Power button and the Home button at the same time. A notification tab will appear on the bottom of the screen, containing the image number of the screen capture. This notification tab will not be present on the captured screen.



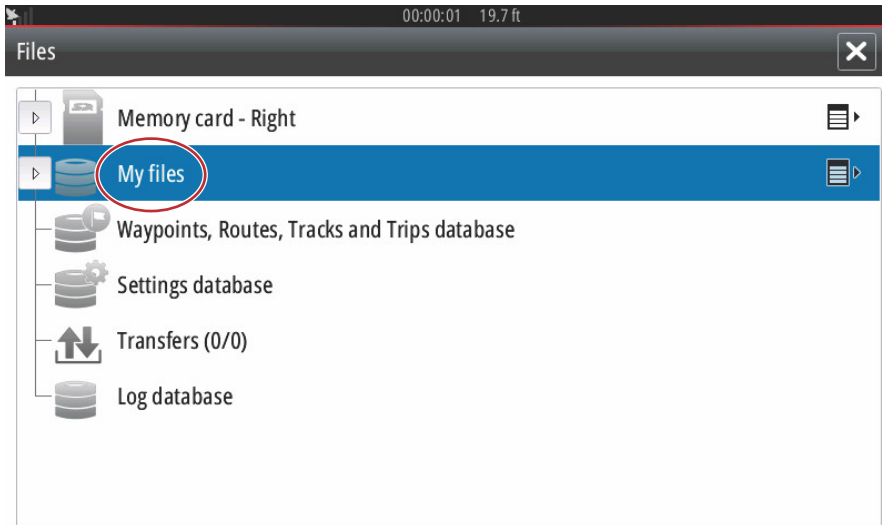
61472

VesselView has an internal memory capacity for up to 32 screen captures. It is recommended that files such as screen captures, waypoints, tracks, and routes be backed up on an SD card or other external storage device, and the internal memory kept as clear as possible. By default, all of the screen captures are stored in a Screenshots folder in My Files. The My Files folder can be accessed by swiping from the top of the unit onto the screen to bring up the left-hand side options. Select Files.

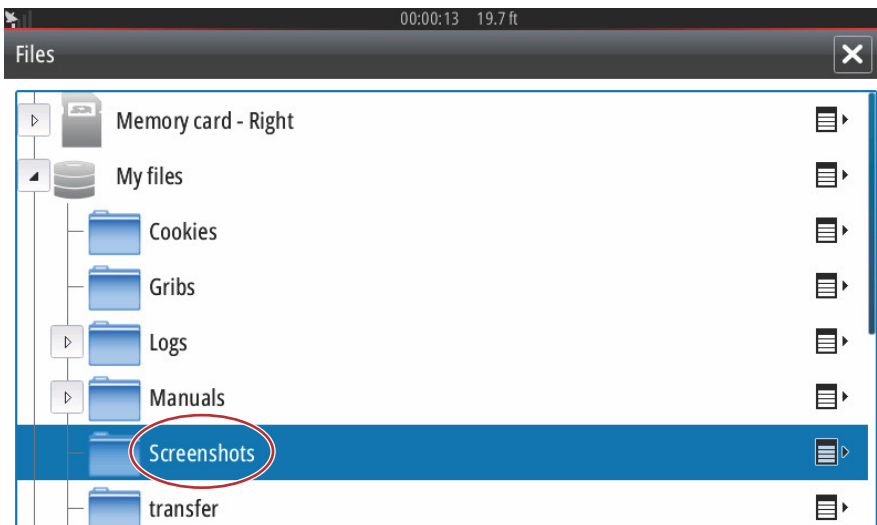


Section 1 - Getting Started

Open the My files folder and navigate to the Screenshots folder. In the Screenshots folder, all of the screenshots that were captured will display. Shots can be copied to the SD card for transfer to a computer or mobile device.

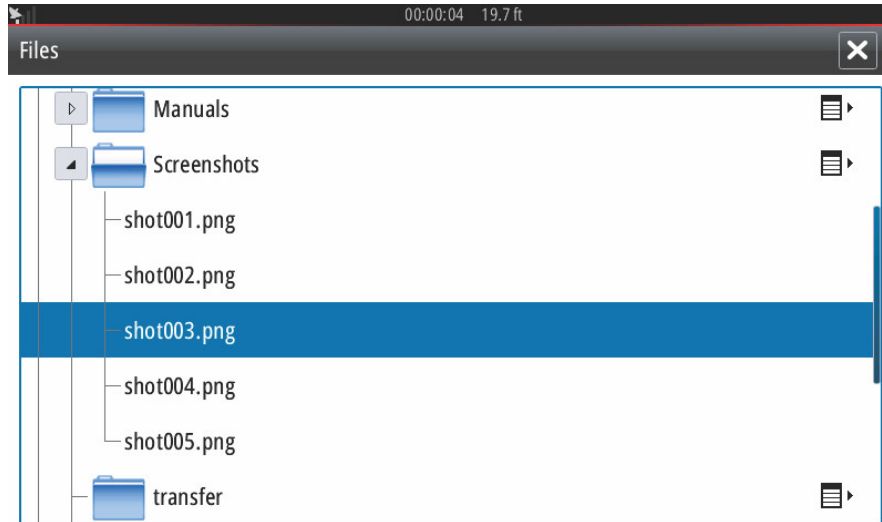


61474

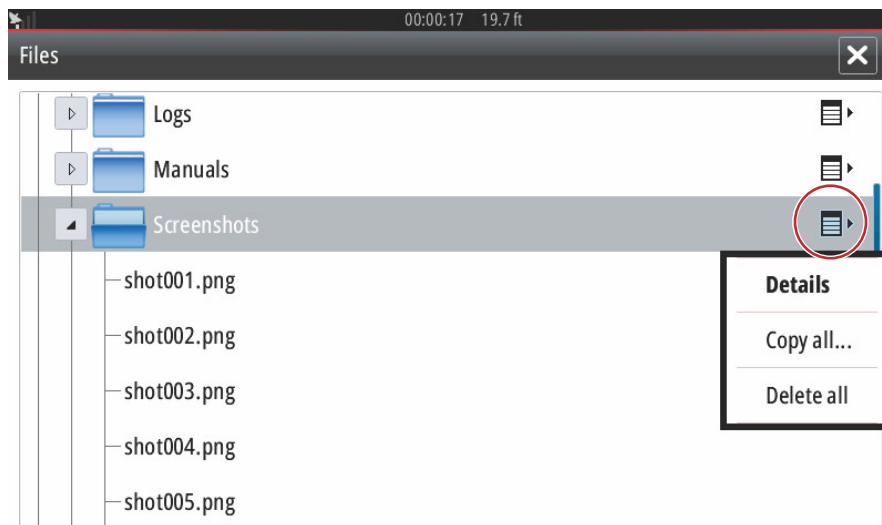


61475

Individual screenshots can be accessed by selecting them. All screenshots can be accessed at once using the icon on the right-hand side of the files window. Selecting this icon will allow viewing of the screenshot details, copying all the screenshots, or deleting all of the screenshots.



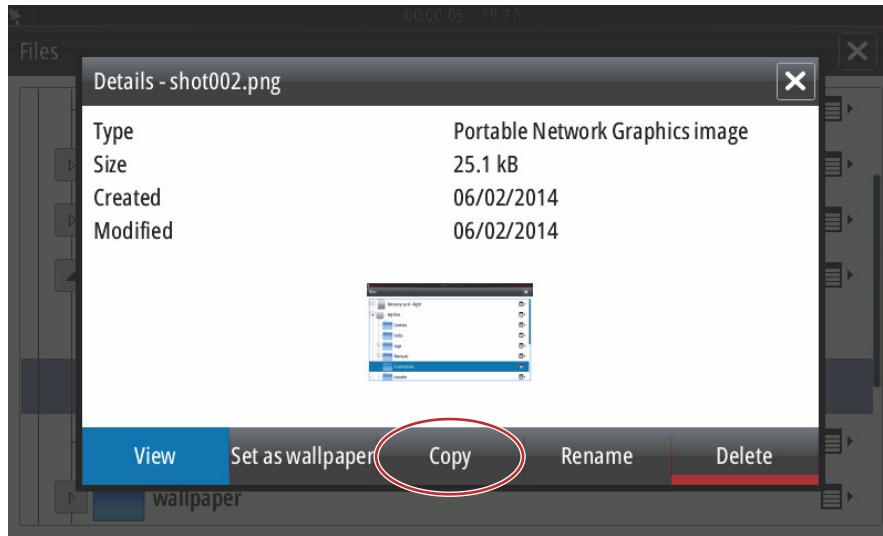
61476



61477

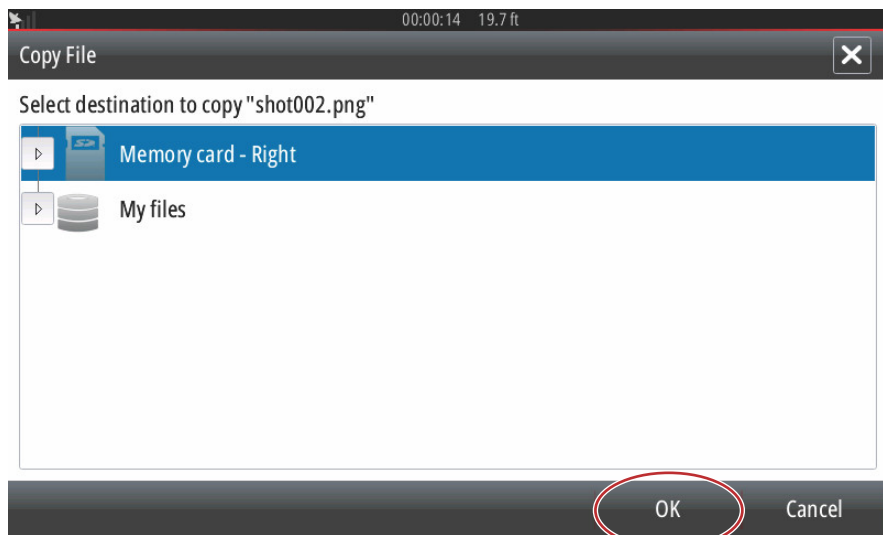
Section 1 - Getting Started

If an individual screenshot is selected, a window will appear with options to View, Set as wallpaper, Copy, Rename, or Delete. Select Copy to download the image from the VesselView.



61479

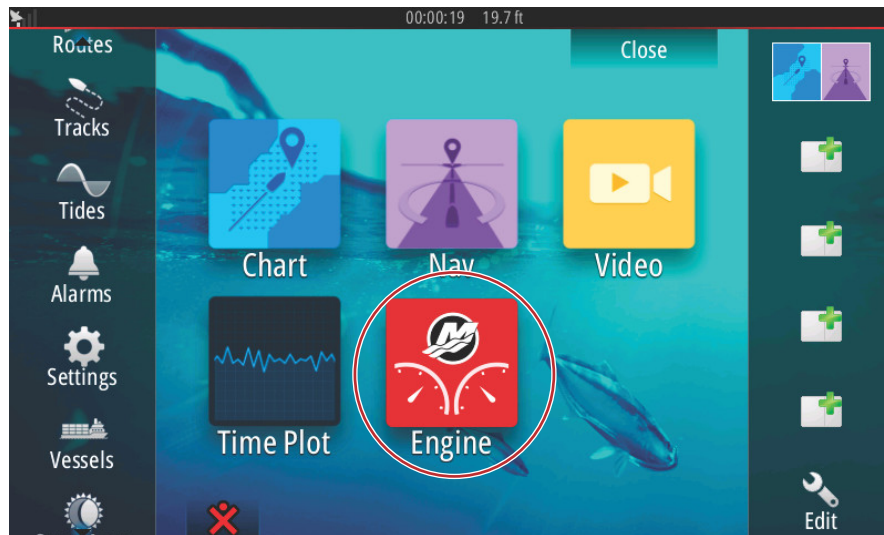
With a SD card loaded into the VesselView, select Memory card as the destination for the file and select OK. Close the window by selecting the X in the upper right corner. This will take you back to the Screenshots folder. To download additional images, follow this procedure.



61480

Non-Mercury Marine Menus

Operators may find themselves out of the recognizable Mercury Marine screens of the VesselView. These menus and options are referred to as the Navico® side of VesselView. Mercury Marine does not support these components of the unit. For additional information on this side of the VesselView, please contact Navico®. To get back to the navigation screens of the Mercury Marine side of the unit, press the Home button, and the Mercury Engine tile will appear. Select this tile to return to the VesselView screen.



61481

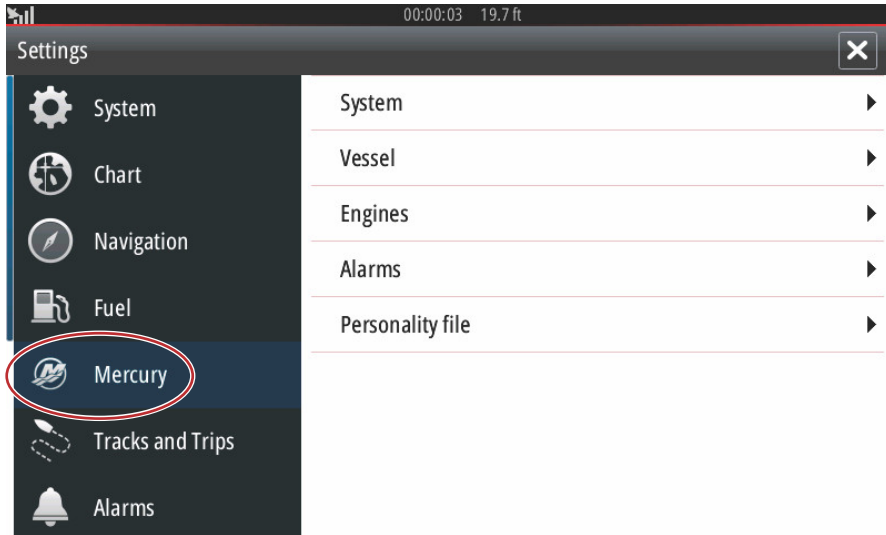
The System Controls window can be brought up by swiping from the top of the unit onto the screen. This will allow the user to; utilize the Mercury Settings menu, place the unit in Standby mode, adjust the brightness of the screen, run in night mode, engage the Touch lock feature, customize wireless connectivity, and activate the instrument bar on the right-hand side of the display.



61482

Section 1 - Getting Started

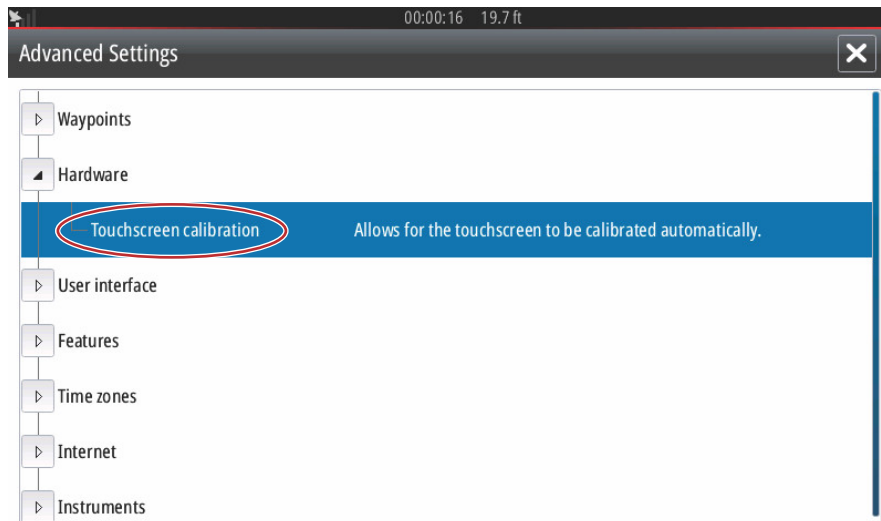
Within the Settings menu in the System Controls window, select the Mercury icon to make changes to VesselView functions. All of the preferences and settings that pertain to VesselView are contained within the Mercury settings. All other menu options pertain to the Navico® side of the MFD. Any inquiries regarding these features should be directed to Navico®.



61483

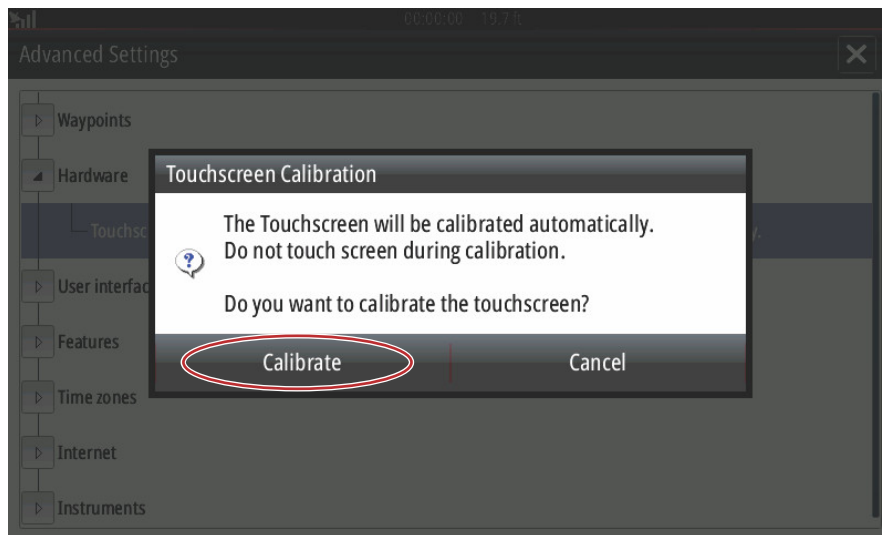
Touch Screen Calibration

The touch screen can be calibrated periodically. If swipes or touch districts seem unresponsive, activate the System Controls menu by swiping from the top of the unit onto the screen. Select the Settings option. Select the Advanced option. Select the Hardware menu option to bring up the Touchscreen calibration menu item.



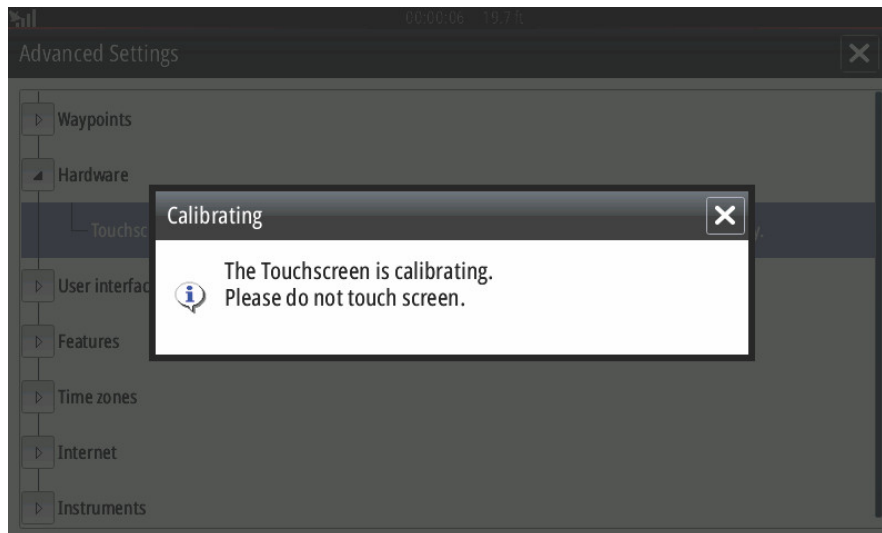
61493

VesselView will prompt the operator to confirm Touchscreen Calibration. To continue with the calibration, select Calibrate.



61494

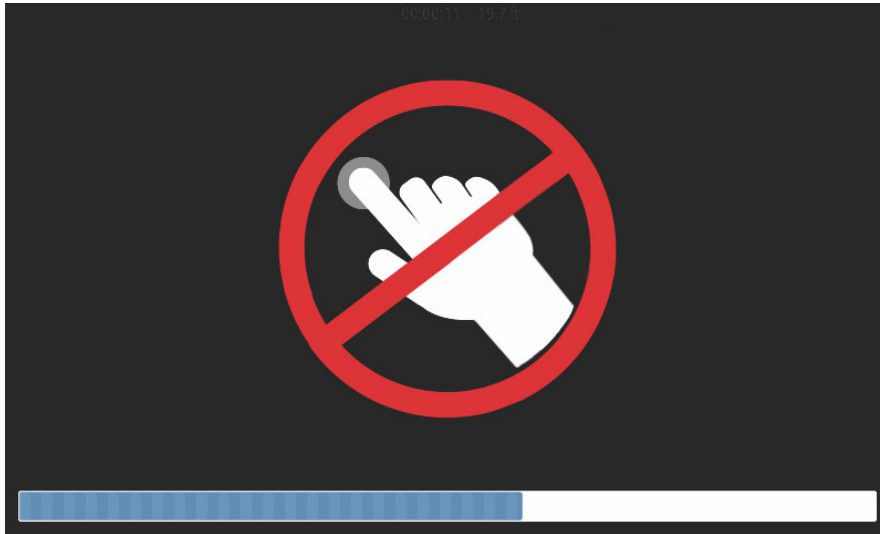
It is important that the screen is not touched during the calibration process.



61496

Section 1 - Getting Started

A progress bar will be displayed, showing the operator that the process is taking place. After completing the calibration, the display will return to the Advanced Settings menu.



61499

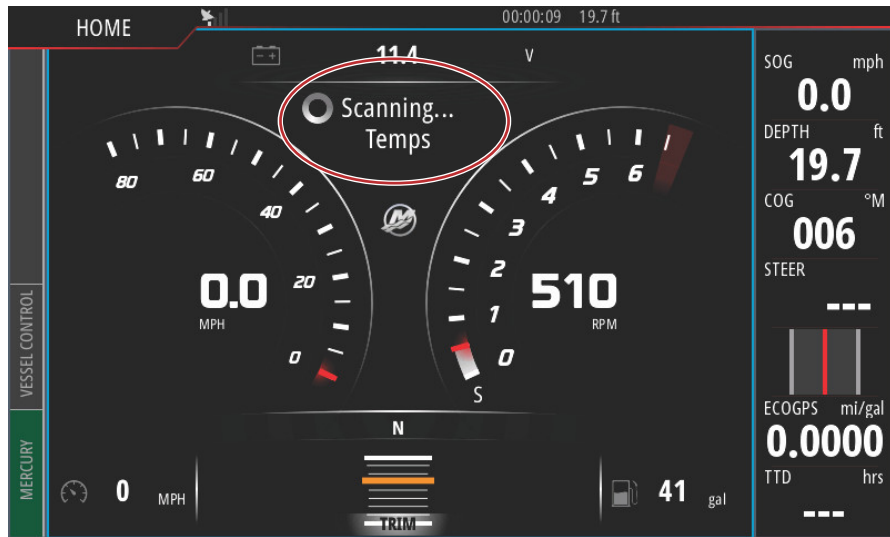
Start-up

On start-up with the power on and engines off, after the splash screen and advisory screen sequence, the main display will load and all data and graphics will be active.

Upon engine start-up, the VesselView will perform a systems check. All engine systems will be queried for current operational data. The systems check appears visually on the screen between the speed and/or RPM sweeps.



61486



61487

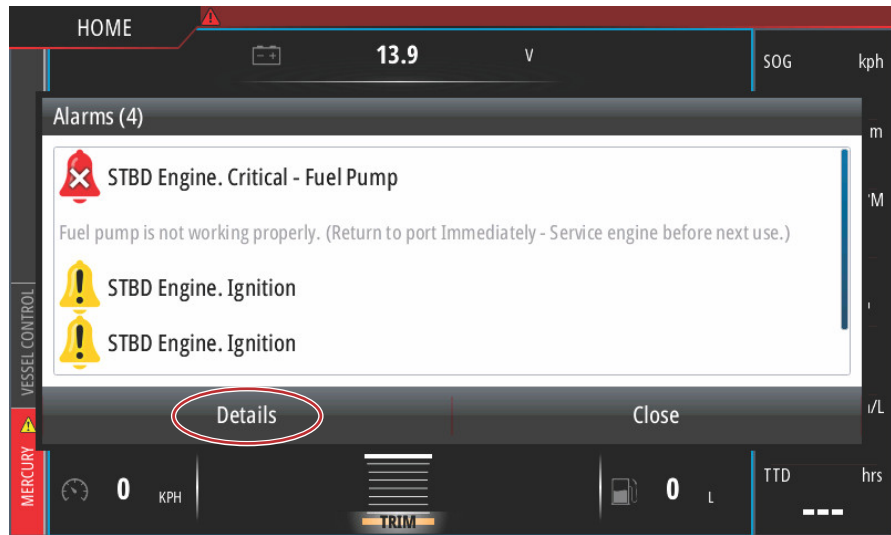
After the systems check, if all engine parameters are within specifications, the VesselView will display the System OK message accompanied by a checkmark icon.



61488

Section 1 - Getting Started

If an engine system does not pass the systems check, short descriptive fault text will appear, and a suggested course of action will be displayed on-screen. The Mercury tab in the lower left-hand corner of the screen will display in red with international warning symbol. If there is more than one fault detected at start-up, the operator can scroll through the list, highlight a selection and select Details.



61541

Selecting Details will bring up a window that may have additional fault descriptive text, telling the operator if the fault is critical, noncritical, and what to do about the fault.

Engine Scheduled Maintenance

If a maintenance reminder is detected during a system scan, the Mercury tab in the lower left-hand corner of the screen will display in the color blue. Use common sense to protect your investment, and check your engine oil on a regular basis, preferably before each use.

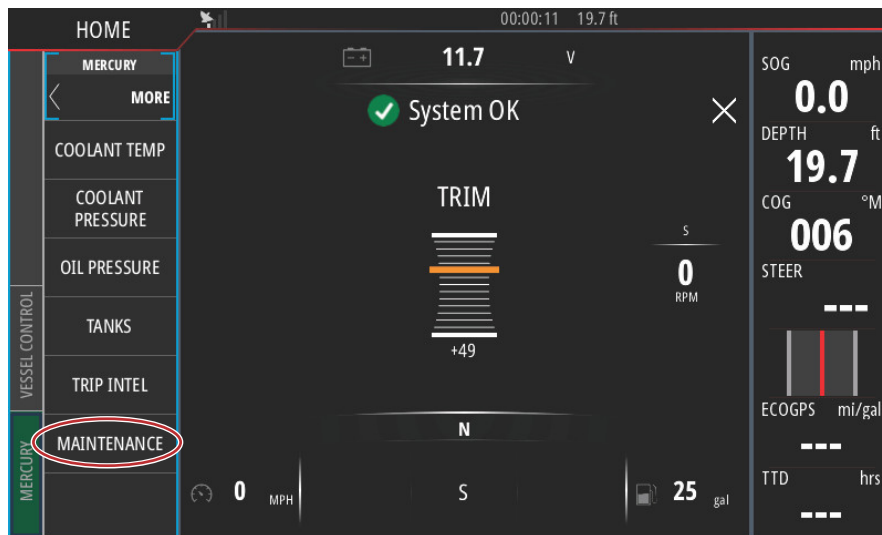
When the scheduled maintenance time is fully depleted, a maintenance pop-up will appear after the start-up scan. The operator can close the pop-up, but the reminder will appear at every key-on of the vessel. Acknowledgement of the maintenance reminder will reset the maintenance time frame in VesselView. To access the specific information regarding scheduled maintenance navigate to the descriptive maintenance text message using the following instructions. Users can view the maintenance bar at any time to view the depletion status. This can help in scheduling future appointments with your dealer, if the maintenance is not performed by the owner.

Select the Mercury tab in the lower left-hand corner of the screen. Select the Mercury icon with the word MORE.



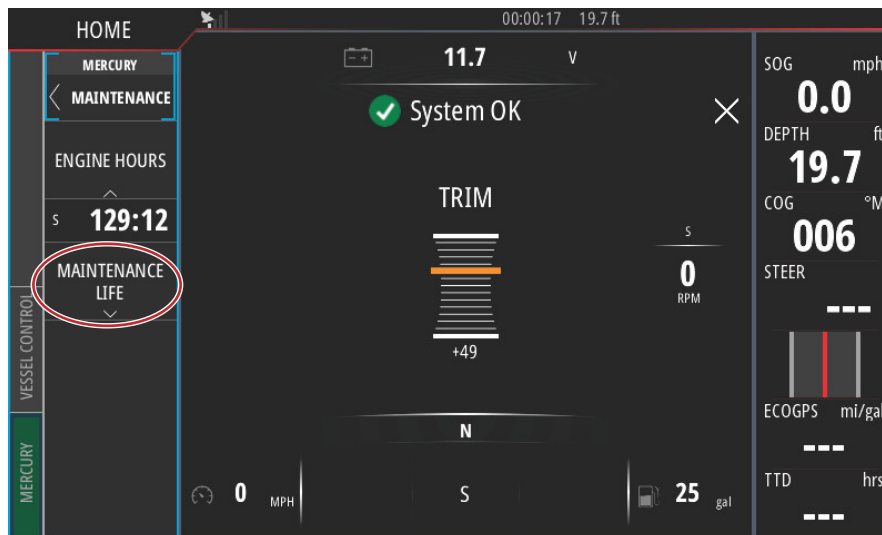
61536

Select the MAINTENANCE option.

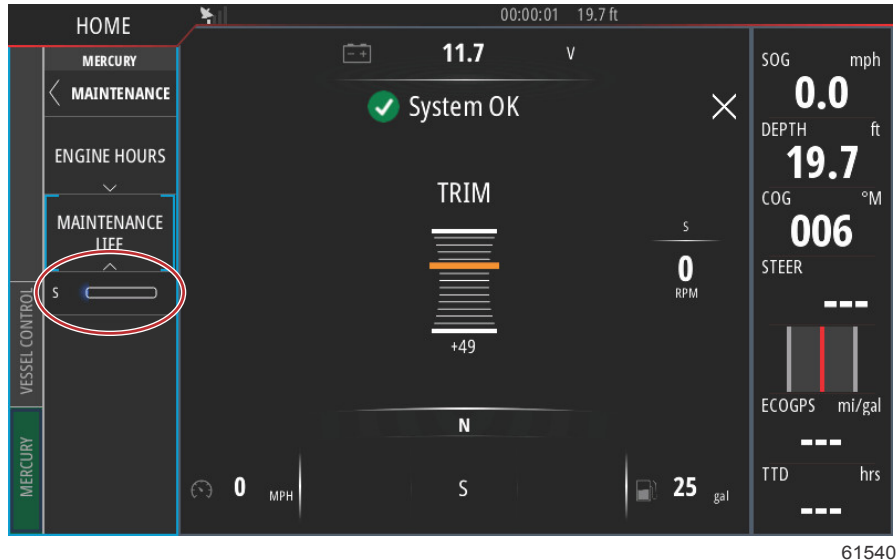


61538

To view the remaining time before scheduled maintenance, select the MAINTENANCE LIFE option. The more of the progress bar shown in blue, the sooner scheduled maintenance is needed.



61539



Device Maintenance

IMPORTANT: It is recommended that the supplied white plastic sun cover be installed for protection when the unit is not in service.

Display Screen Cleaning

Routine cleaning of the display screen is recommended to prevent a buildup of salt and other environmental debris. Crystallized salt can scratch the display coating when using a dry or damp cloth. Ensure that the cloth has a sufficient amount of fresh water to dissolve and remove salt deposits. Do not apply aggressive pressure on the screen while cleaning.

When water marks cannot be removed with the cloth, mix a 50/50 solution of warm water and isopropyl alcohol to clean the screen. Do not use acetone, mineral spirits, turpentine type solvents, or ammonia based cleaning products. The use of strong solvents or detergents may damage the antiglare coating, the plastics, or the rubber keys.

It is recommended that the sun cover be installed when the unit is not in use to prevent UV damage to the plastic bezels and rubber keys.

Media Port Cleaning

The media port door area should be cleaned on a regular basis to prevent a buildup of crystallized salt and other debris.

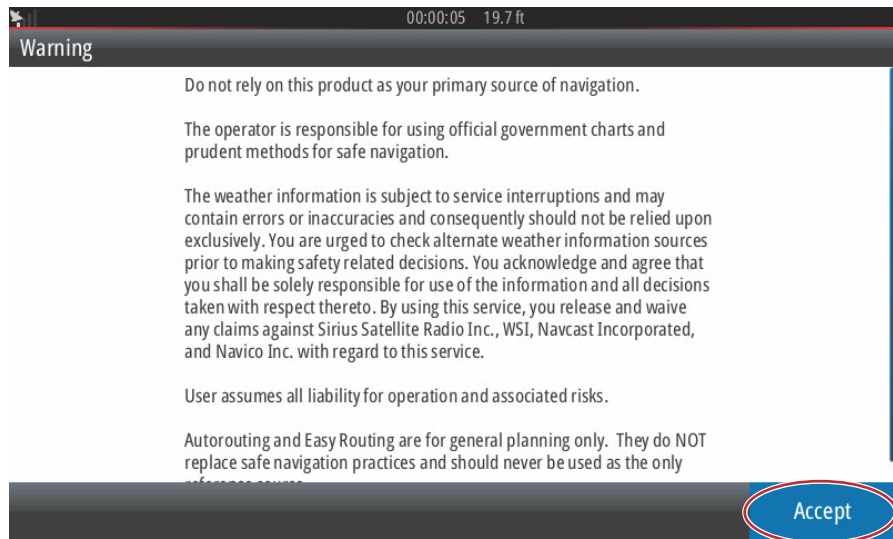
Section 2 - Initial Screens and Setup Wizard

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VesselView Start-up Advisory Screen

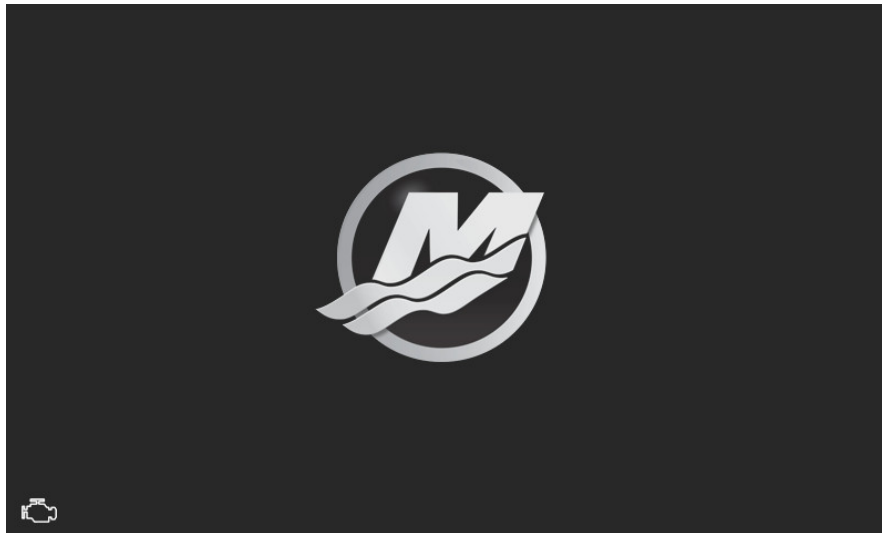
When VesselView is started, a warning screen pops up and advises the operator not to rely on the product as a primary source of navigation and that the user assumes all liability for operation and associated risks.



61413

Splash Screen

When the ignition key is turned on, a Mercury start-up splash screen will appear. The Mercury logo will appear in the center of the screen. The logo will remain during the start-up process. Do not try and rush the unit by pressing buttons during the start-up stage. Power packages with emissions control will show an engine icon in the lower left-hand corner of the screen.



61484

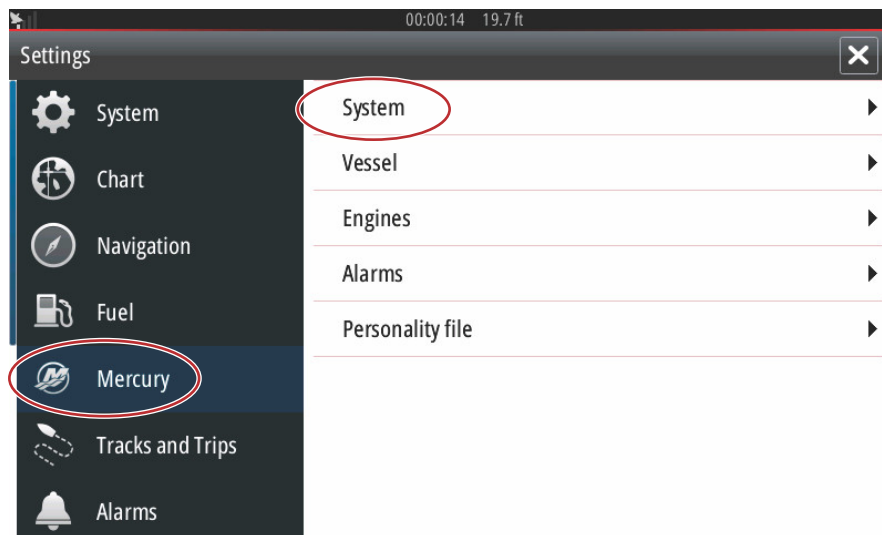
Setup Wizard

The VesselView Setup wizard guides you through the first steps of configuring the VesselView. The Setup wizard can be accessed at any time through the Settings menu. Open the System Controls window. The System Controls window can be brought up by swiping from the top of the unit onto the screen. Select the Settings tile.



61504

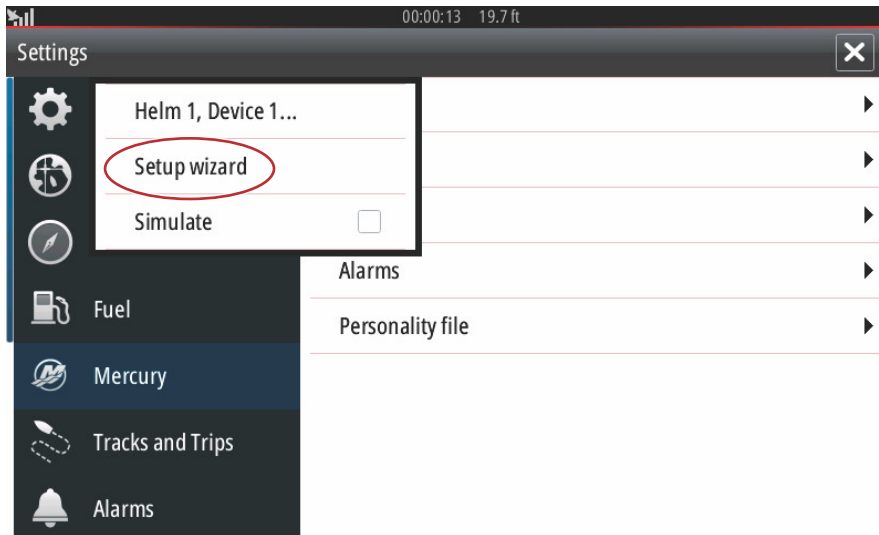
Select the Mercury option on the left-hand side of the screen. Select the System option.



61505

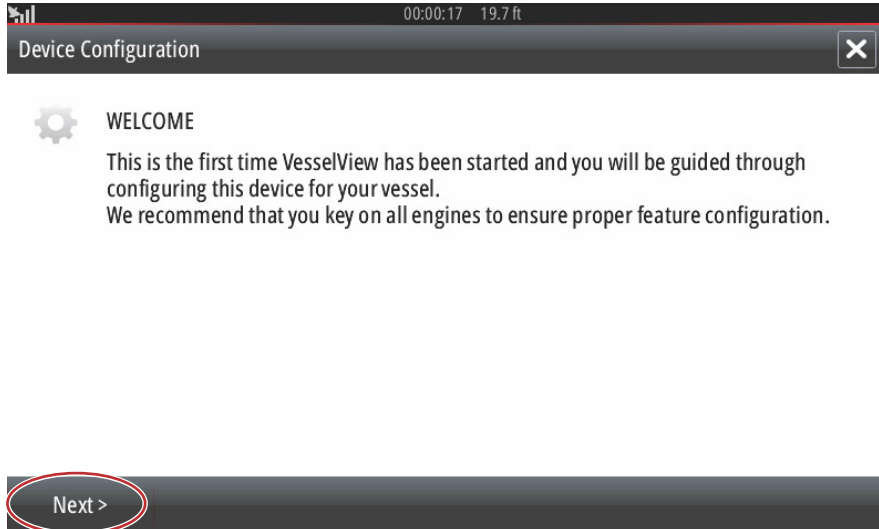
Section 2 - Initial Screens and Setup Wizard

In the System menu, select the Setup wizard option.



61506

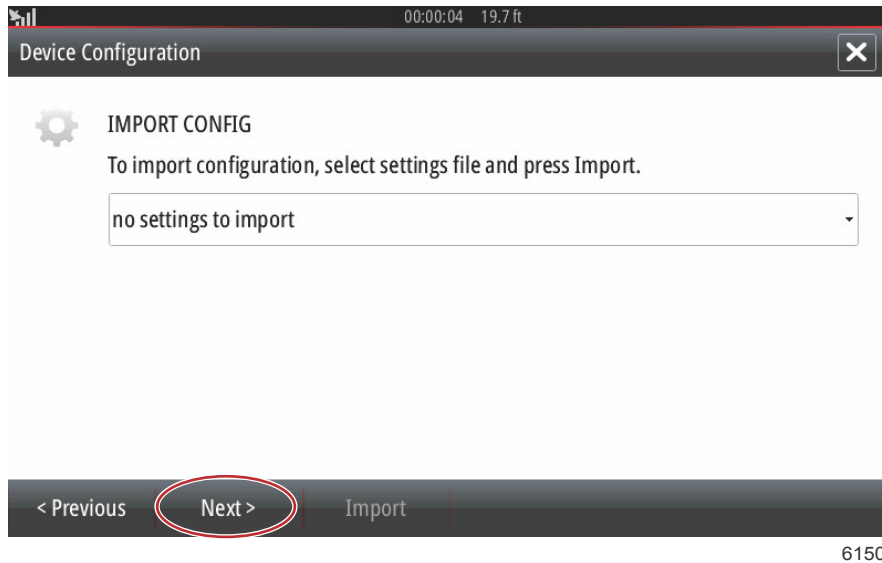
On the Device Configuration WELCOME screen select Next to begin the Setup wizard.



61507

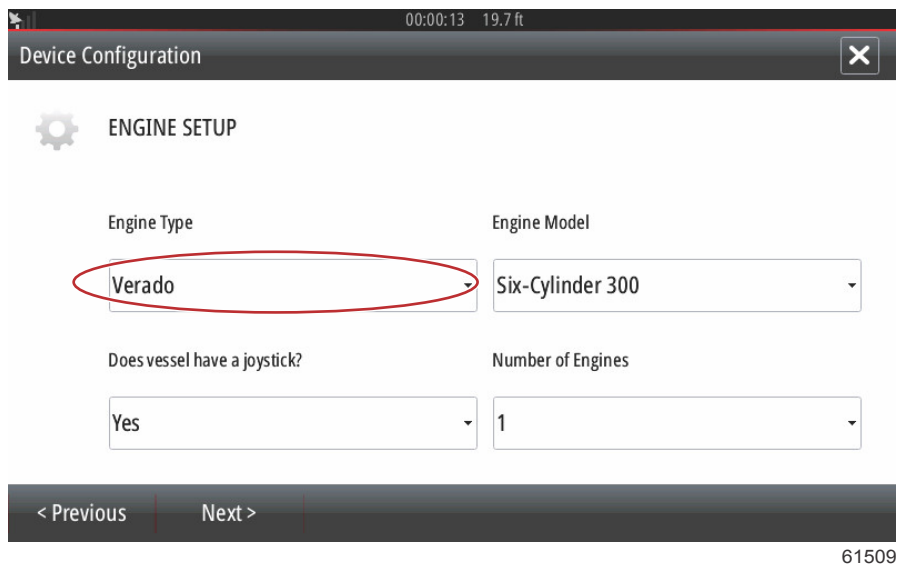
Import Configuration

To import an existing vessel configuration, insert a FAT or FAT 32 micro SD card with the configuration file and select this file in the drop-down menu. If there is no import file, select Next to continue.



Engine Setup

1. In the Engine Setup screen, use the rotary knob or touch the menu fields to select the correct option.
2. Complete selections in the Engine Setup screen. When finished making selections, select Next to continue.



Engine type

The screenshot shows a 'Device Configuration' window with a dropdown menu open for 'Verado'. The menu lists 'Verado', 'OptiMax', 'TwoStroke Outboard', and 'FourStroke Outboard'. The 'Verado' option is selected. Below the menu, there are fields for 'Engine Model' (Six-Cylinder 300), 'Does vessel have a joystick?' (Yes), and 'Number of Engines' (1). Navigation buttons '< Previous' and 'Next >' are at the bottom.

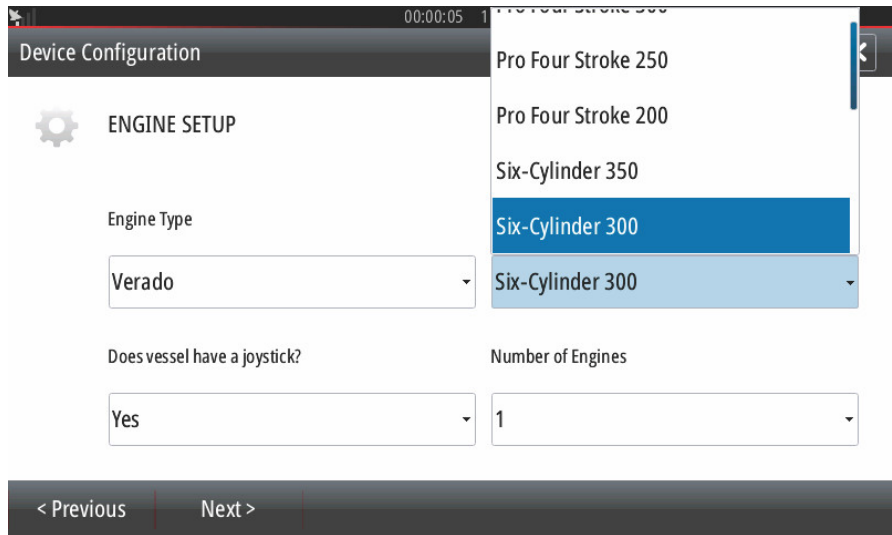
61510

Selection

The screenshot shows the 'ENGINE SETUP' section of the 'Device Configuration' window. The 'Engine Type' is 'Verado' and the 'Engine Model' is 'Six-Cylinder 300', which is circled in red. Other fields include 'Does vessel have a joystick?' (Yes) and 'Number of Engines' (1). Navigation buttons '< Previous' and 'Next >' are at the bottom.

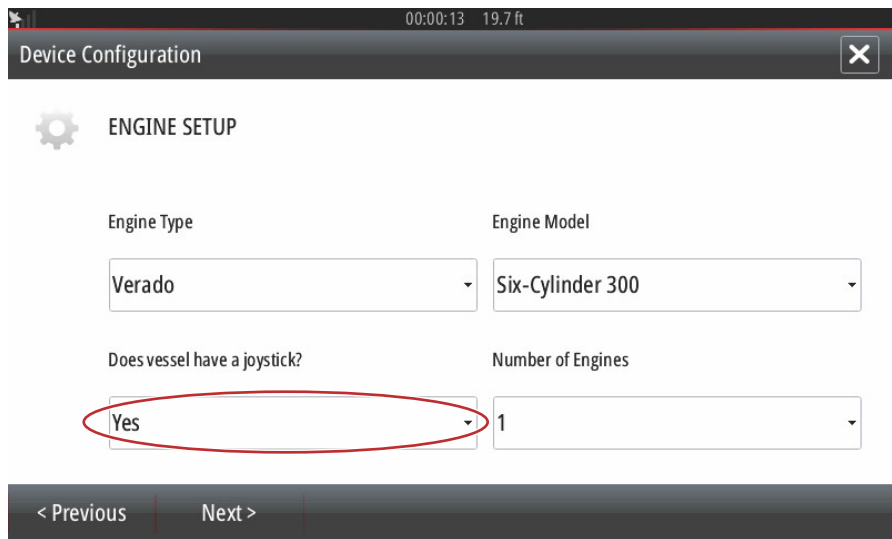
61515

Engine model



61512

Selection



61516

Joystick vessel

00:00:09 19.7 ft

Device Configuration

ENGINE SETUP

Engine Type: [No, Yes, Yes] (Yes selected)

Engine Model: Six-Cylinder 300

Number of Engines: 1

< Previous | Next >

61514

Selection

00:00:13 19.7 ft

Device Configuration

ENGINE SETUP

Engine Type: Verado

Engine Model: Six-Cylinder 300

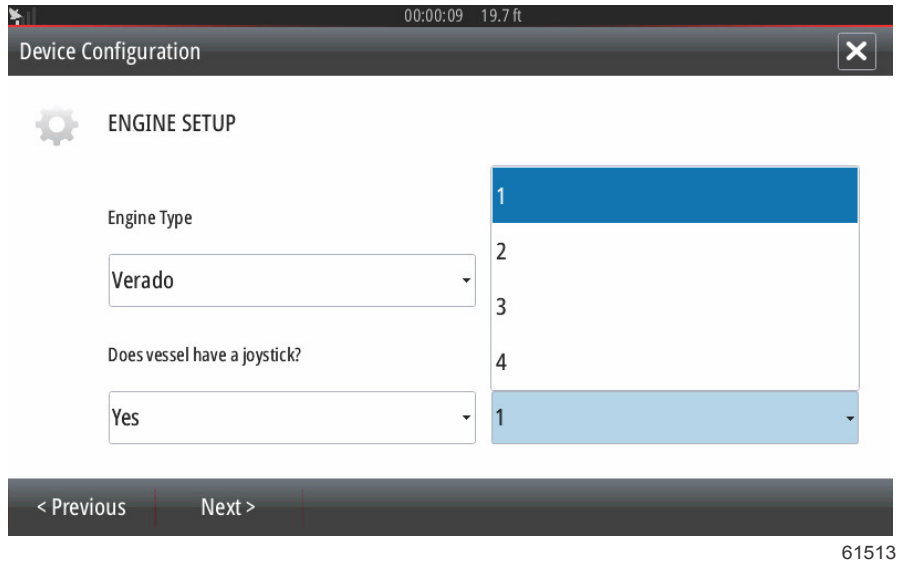
Does vessel have a joystick?: Yes

Number of Engines: 1 (circled in red)

< Previous | Next >

61517

Number of engines



Selection

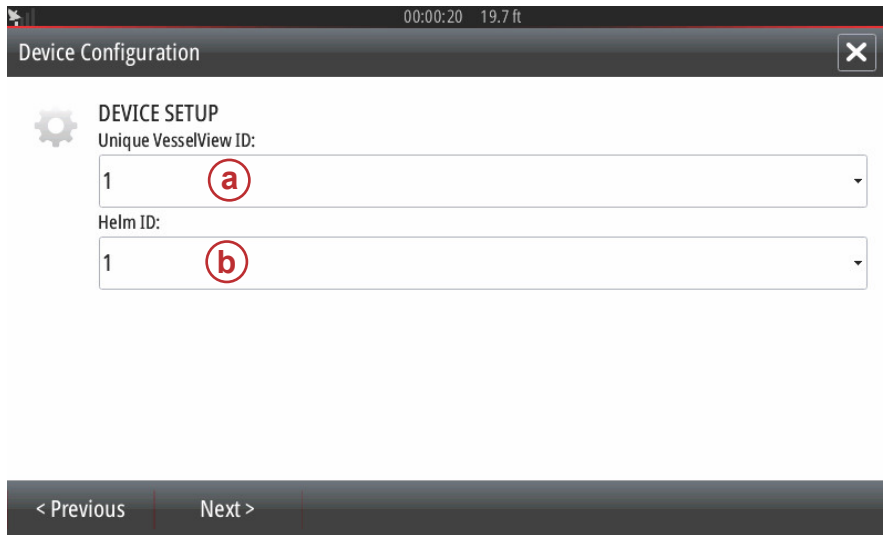
Display Setup

Depending on the number of engines indicated in the Engine Setup screen, select the engines to be displayed by this VesselView unit. Up to four engines can be selected. Select Next to continue.



Device Setup

In the Device Setup screen, use the rotary knob or touch the menu fields to select the proper options. If using multiple VesselView devices, be sure to assign unique numbers to each unit, to avoid data problems. Helm numbers should match the location of the individual VesselView unit. It is common to make the main helm 1 and the secondary helm 2. Select Next to continue.

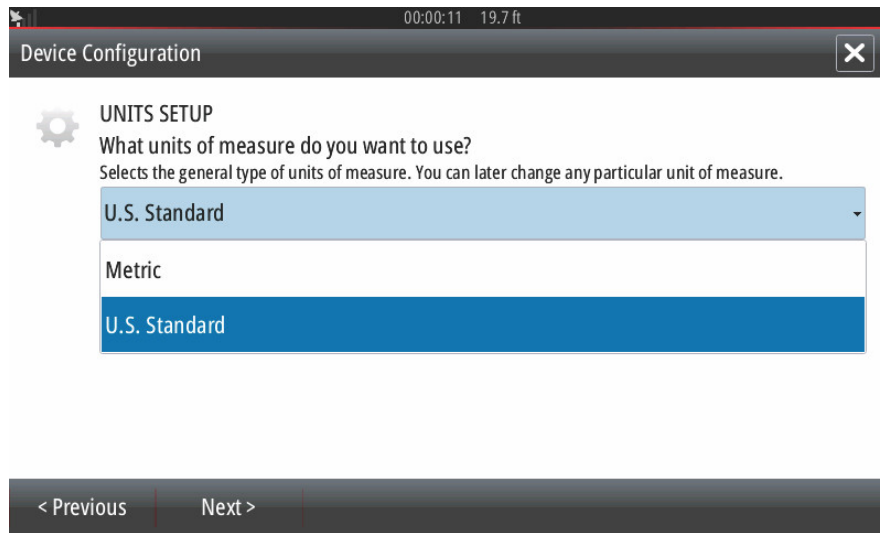


- a - VesselView identification field
- b - Helm identification field

61523

Units Setup

Select the units of measure that VesselView will display on-screen data; speed, distance, and volumes. Particular units of measure can be changed later.



61521

Tank Configuration

In the tank setup screen, tank type, capacity, and tank name can be assigned for up to 8 tanks. The % column will display the live tank volume. Selecting the refresh button will query the tank sensors and refresh the readings.

The unmonitored tank is a tank that does not have a sensor associated with it.

Select the tank row to be customized.

00:00:02 19.7 ft

Device Configuration

TANK SETUP

Source	%	Type	Capacity (gal)	Name
STBD 1	79	Fuel	13.96	Center
STBD 2	88	---	---	---
Unmonitored	---	Fuel	---	---

< Previous Next > Refresh

61524

00:00:05 19.7 ft

Device Configuration

STBD 1 TANK CONFIGURATION

Tank type

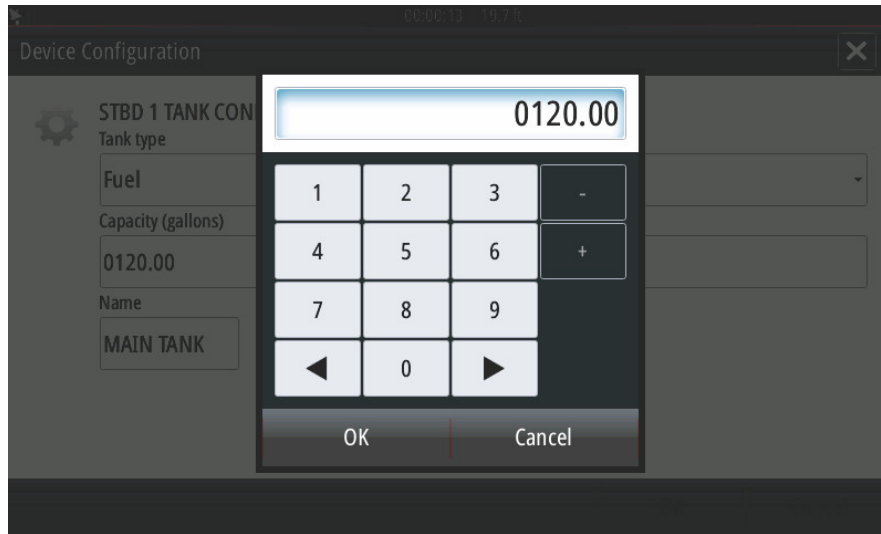
- Fuel
- None
- Fuel
- Oil
- Water
- Gray
- Black

61525

Select the tank type

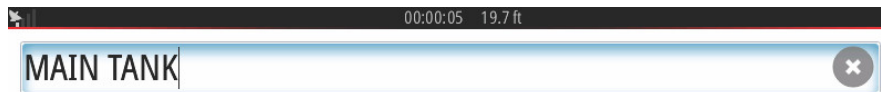
Section 2 - Initial Screens and Setup Wizard

Use the on-screen keypad to enter the capacity. When finished entering tank capacity data, select OK to close the keypad.



61526

The tank position will populate the name field. To change the name of the tank, select the field and use the on-screen keypad to customize the tank name.

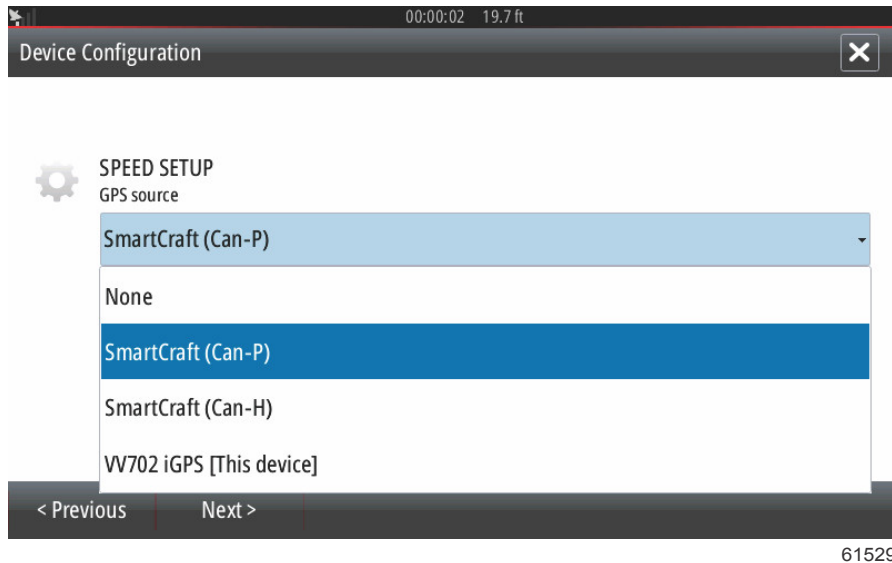


61528

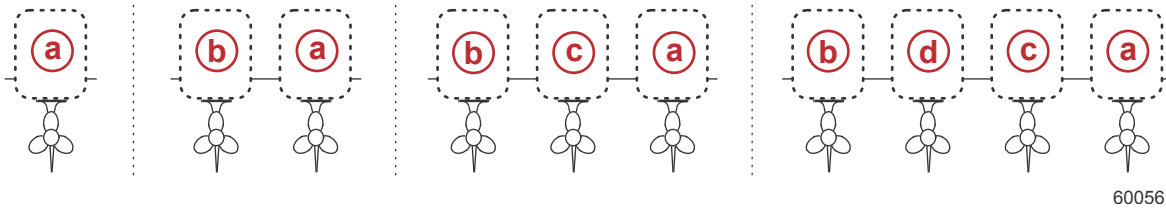
After entering a tank name, select Enter on the keyboard to continue to the next tank row in the Tank Setup screen. When all tank customization data has been entered, select the Refresh button in the lower corner. Check all data fields for accuracy, and select Next to continue with the Setup wizard.

Speed Setup

In the Speed Setup menus, there are three options for determining how VesselView will acquire speed information. If the vessel is equipped with a GPS, the drop-down menu will allow selection of available devices. If the vessel is equipped with a pitot sensor, this option will be selected. If the vessel is equipped with a paddle wheel, then an option to select will drop-down. After the speed source has been selected, select Next to continue.



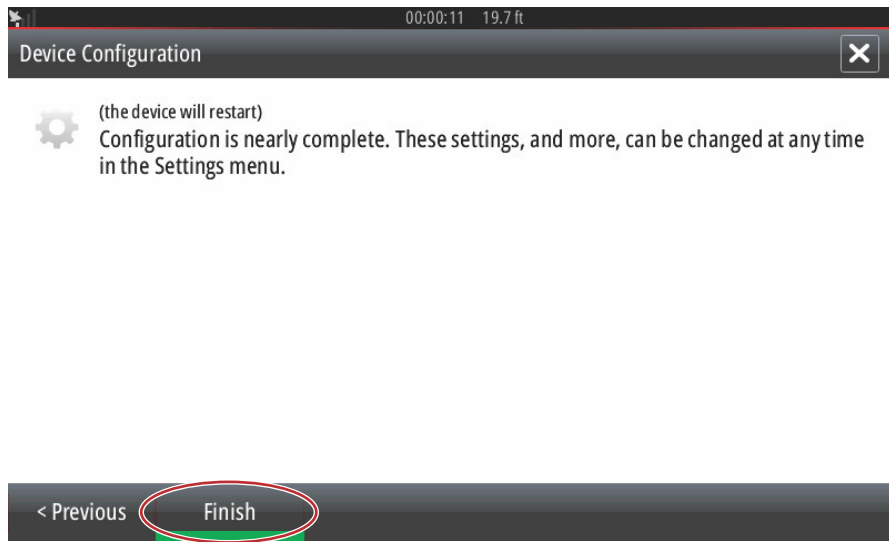
The pitot and paddle wheel source selection is shown in the following illustration. Select the engine or drive unit that transmits the speed data to the VesselView.



- a** - PCM0 = starboard outer
- b** - PCM1 = port outer
- c** - PCM2 = starboard inner or center
- d** - PCM3 = port inner

Finishing Setup Wizard

Select Finish to complete the Setup wizard on the VesselView. Do not power off the unit until the Finish screen is replaced by the vessel activity screen.

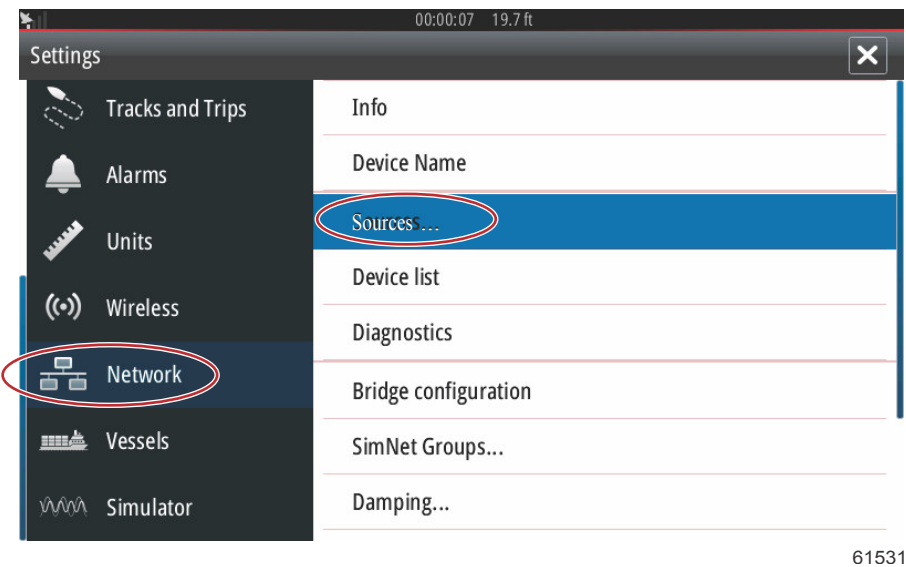


Data Source Setup

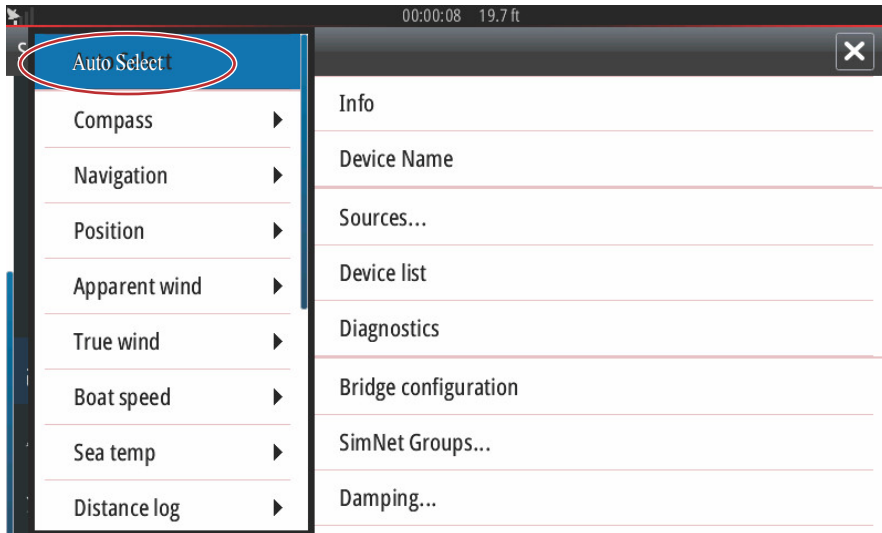
Data Sources

To setup data sources, select the HOME tab at the top of the screen.

Power on all products and key on all engines to ensure that all data generating sources can be detected. Open the System Controls window. The System Controls window can be brought up by swiping from the top of the unit onto the screen. Select the Settings tile. Select the Network option on the left-hand side of the screen. Select Sources...

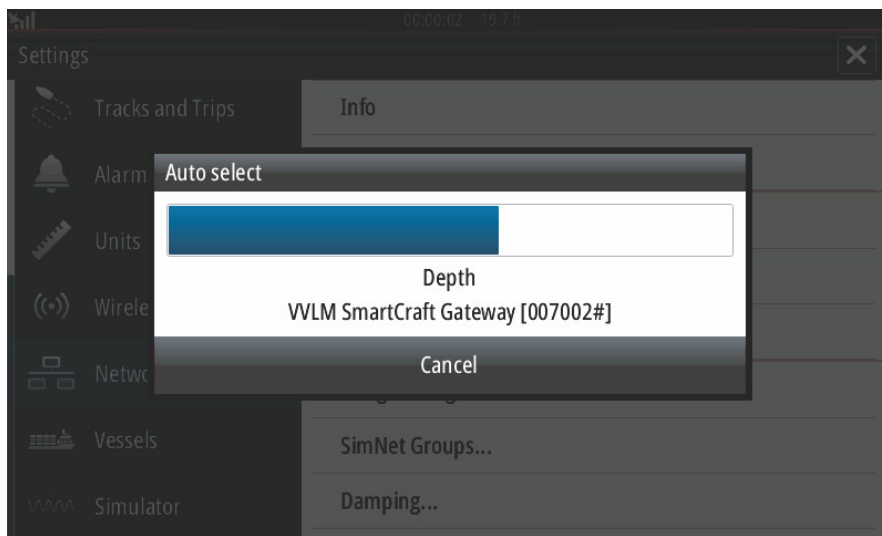


VesselView will display numerous sources of data producing devices. For a general query of all detectable devices on the vessel, select the Auto Select option at the top of the list.



61533

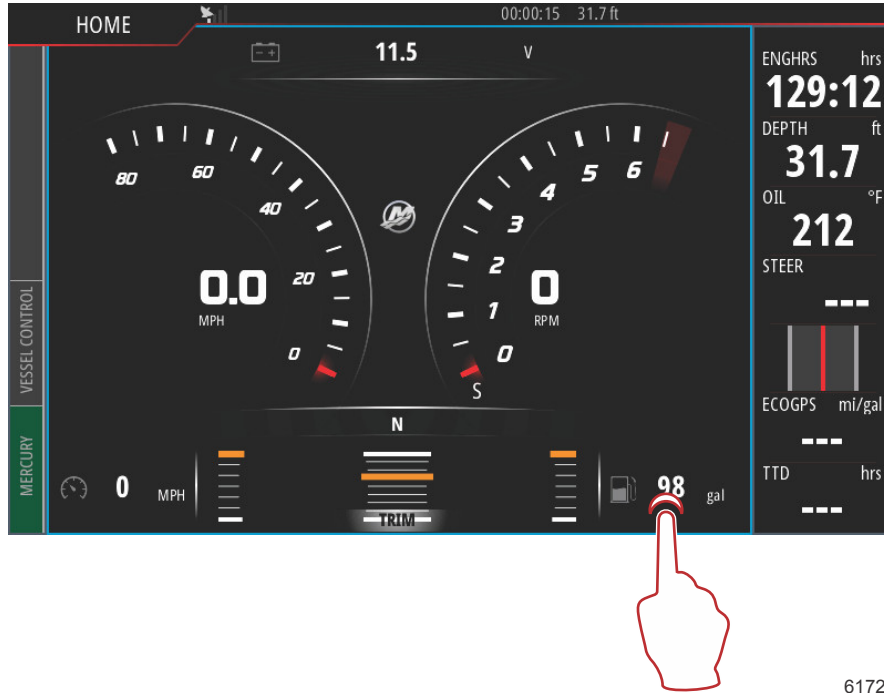
Auto select will search the network and compile a list of all devices that are detected during the auto select process. When the progress bar completes, the Settings menu can be closed by selecting the X in the upper right-hand corner of the screen.



61534

Enlarging Data Screens

To enlarge any of the data fields on the main VesselView screen, select the field.



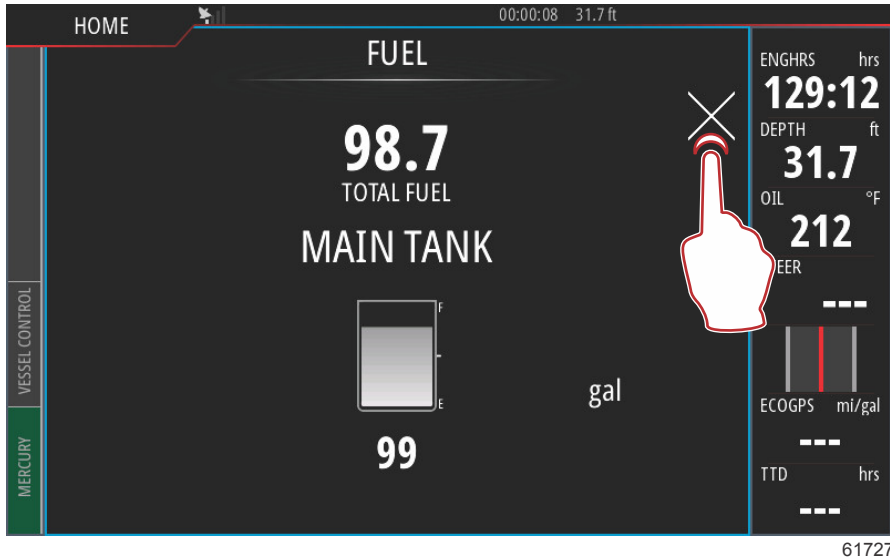
61725

This will display the data at it's medium size on the screen.



61726

Selecting the data info field once more will display the selected data full screen. This can be helpful for viewing the screen from a greater distance, such as navigating from an auxiliary joystick position. Selecting the X will return the VesselView to the main navigation screen.



61727

Instrument Bar

To activate the Instrument bar, swipe from the top of the display screen into the top of the screen area. This will bring up the System Controls window. Select the Instrument bar tile to activate the Instrument bar.



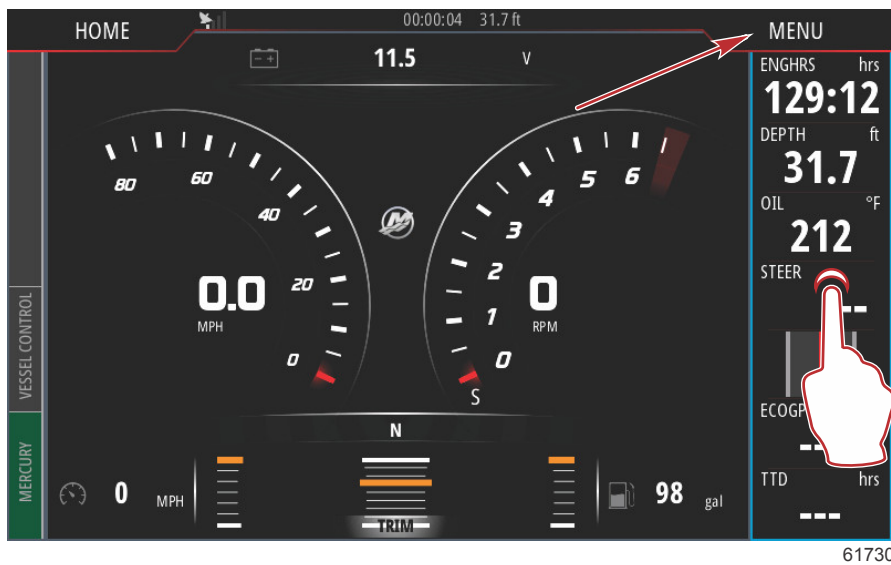
61482

Section 2 - Initial Screens and Setup Wizard

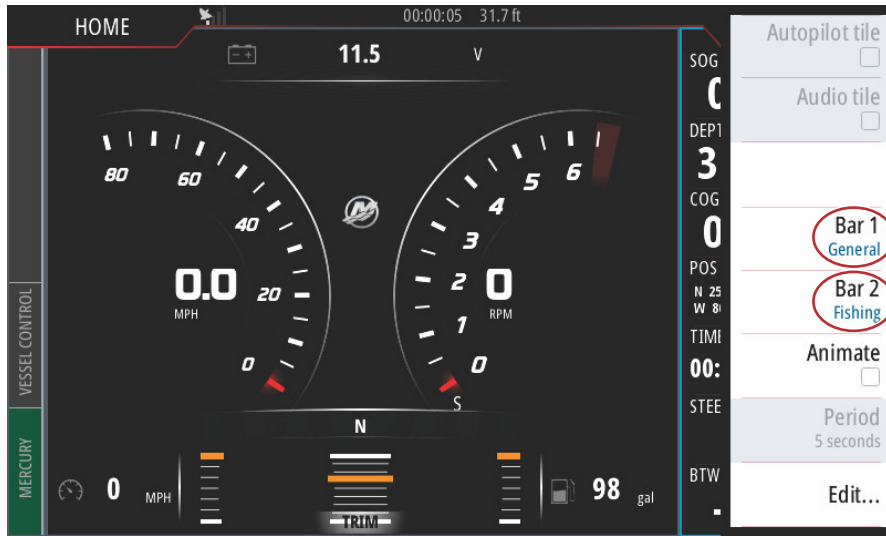
The instrument bar is located on the right-hand side of the display. The instrument bar contains text and numeric data in numerous tiles. Each tile in the instrument bar can be changed by the operator. There are also boating lifestyle options that will populate the data tiles with useful information for your type of boating.



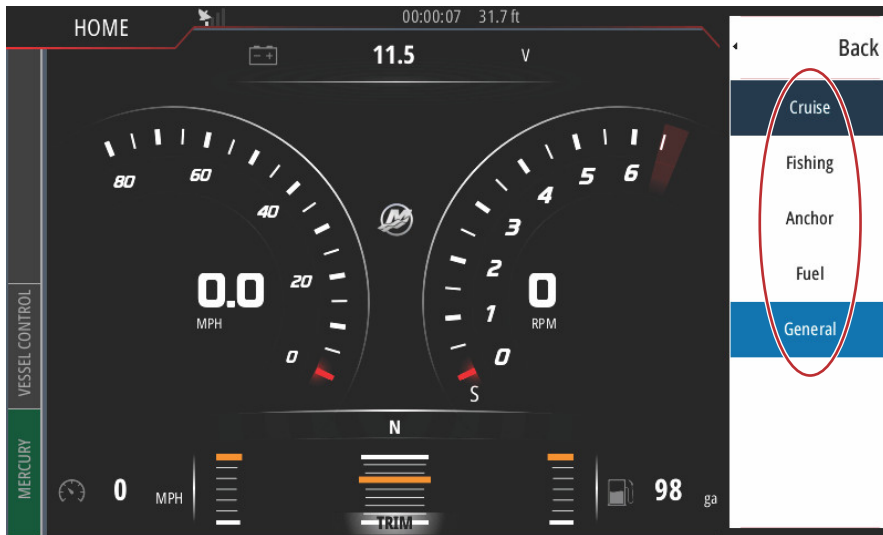
To access the instrument bar, select the bar by touching anywhere within the instrument bar. This will bring up the MENU tab at the top of the bar.



In the menu screen, Bar 1 and Bar 2 options can be selected. These options will populate the instrument bar with engine and vessel data that is important to the style of boating that is selected.



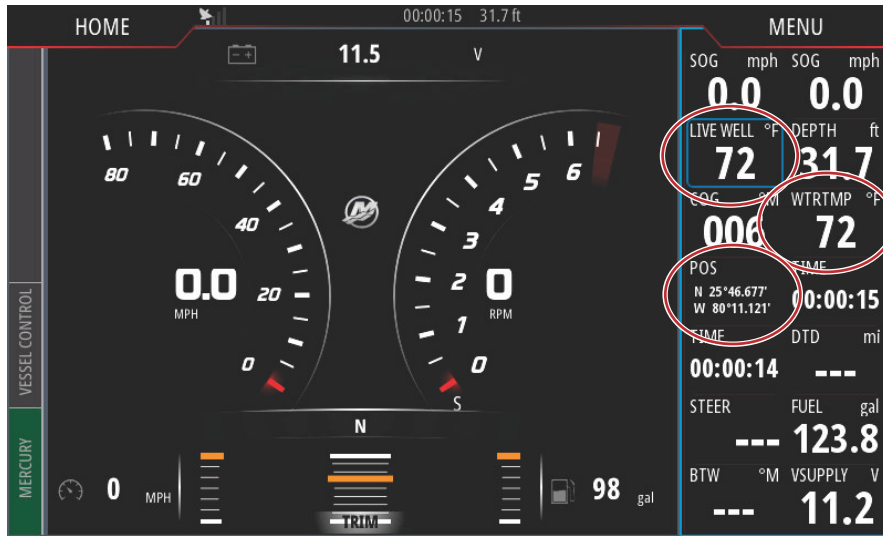
61731



61732

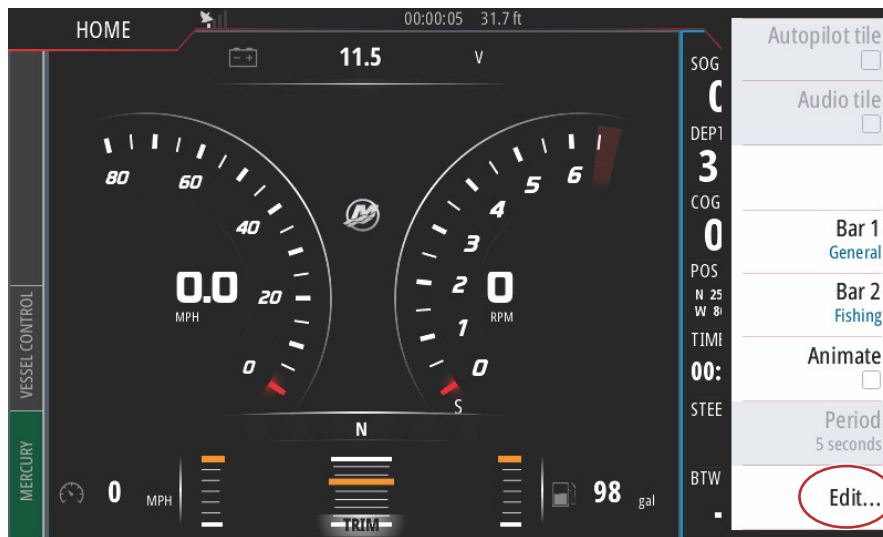
Section 2 - Initial Screens and Setup Wizard

The result of selecting General in Bar 1 and Fishing in Bar 2, populates the instrument bar with both general vessel and engine data, as well as fishing pertinent data such as water temperature, live well temperature, and GPS coordinates.



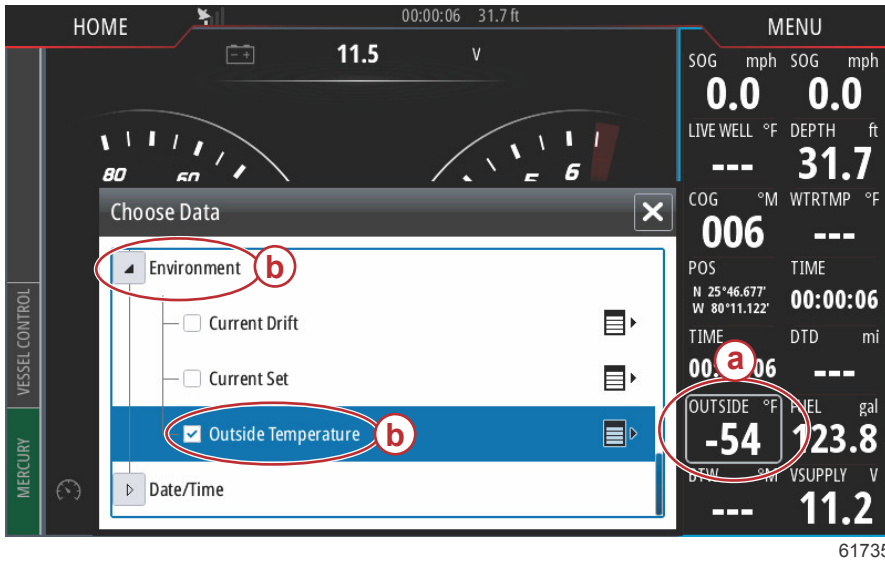
61733

Selecting Edit... in the MENU bar will give the operator the ability to select any of the data tiles and change the data content.



61734

A select and drop-down menu screen will appear. Select the entry that corresponds to the type of data that you wish to populate the selected data tile in the Instrument bar.

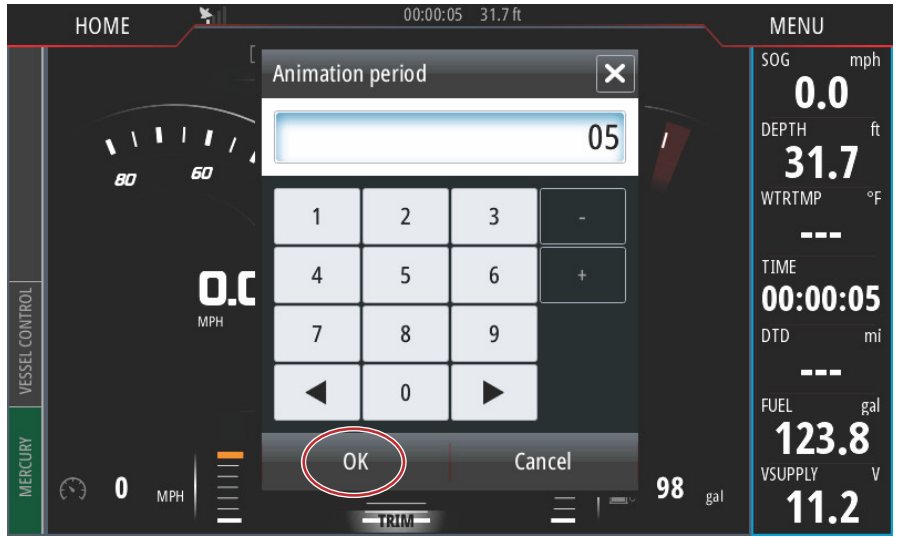


- a - Actively selected data tile
- b - Entry and type of data to replace actively selected data tile

Use this procedure to complete the customization of the instrument bar.

When both instrument bars are active on the screen, the main display will appear smaller. To lessen the size of the instrument bar, the operator can select the Animate option. This will return the instrument bar to one column of displayed data while cycling between the two operator defined Bar 1 and Bar 2 selections. When the Animate option is selected, a keypad window will appear. An Animation period duration can be set for up to 10 seconds between data cycling. Use the keypad to enter a preferred duration in seconds. When finished entering a value on the keypad, select OK to return to the main screen.





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Section 3 - Autopilot Features and Operation

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Economy Mode

ECO

ECO mode displays information to guide the operator in setting the optimum trim position and engine speed to achieve the best fuel economy. The engine control module (ECM) or propulsion control module (PCM) calculates the best fuel economy based on information from various sensors on the power package and vessel.

ECO mode is continually running. The ECO parameters are evaluated at all times during engine operation and the operator will see the Vessel Control tab on the left-hand side of the screen turn green and read ECO Optimized if the engine RPMs and trim position happen to be in the proper ranges.



To actively monitor the ECO function of the VesselView, select the Vessel Control tab on the left-hand side of the screen. This will open the autopilot functions bar. Select the ECO MODE option.



61750



61751

Section 3 - Autopilot Features and Operation

In the ECO Mode panel, VesselView shows the operator the RPM value and the trim position. If one or both of these operating parameters is out of optimization, the VesselView will display an orange arrow and/or orange sliders in the RPM and trim tiles. The direction of the orange arrows indicates where to adjust the RPMs and trim position to achieve fuel economy optimization.



Following the guidance of the VesselView will result in both RPMs and trim position being optimized. When optimized, the Vessel Control tab will display Eco Optimized in green, the trim slider will turn green, and a green leaf icon with the word Optimized will appear at the top of the Eco Mode bar.



To minimize the ECO Mode bar, select the arrow icon in the upper left-hand corner of the bar. This will bring the Vessel Control bar to the main tiles. Select the X at the top left-hand corner of the bar, or swipe the Vessel Control bar to the left to close it.



61754



61755

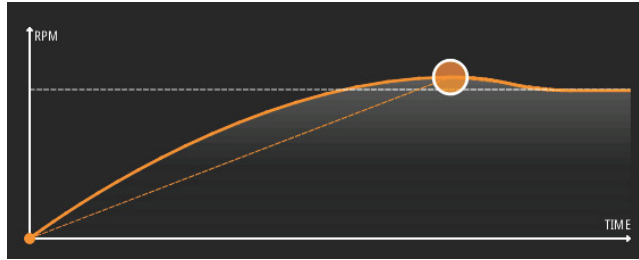
Smart Tow Mode

Smart Tow

Smart Tow is an easy to use program to manage boat acceleration and target speed goals for pulling skiers, tubers, or watersport equipment of all varieties. Smart Tow takes the guesswork out of acceleration problems like too much hole shot, too much overshoot, deceleration, and constant speed targets. Select a profile, select enable, and place the control handle to wide-open throttle, Smart Tow will do the rest.

Section 3 - Autopilot Features and Operation

The Smart Tow screen allows you to select, set, and modify settings in the Smart Tow features. The launch graph dot is animated when Smart Tow is active and performing a launch sequence. The dot will move along the launch path showing what part of the launch sequence the system is performing.



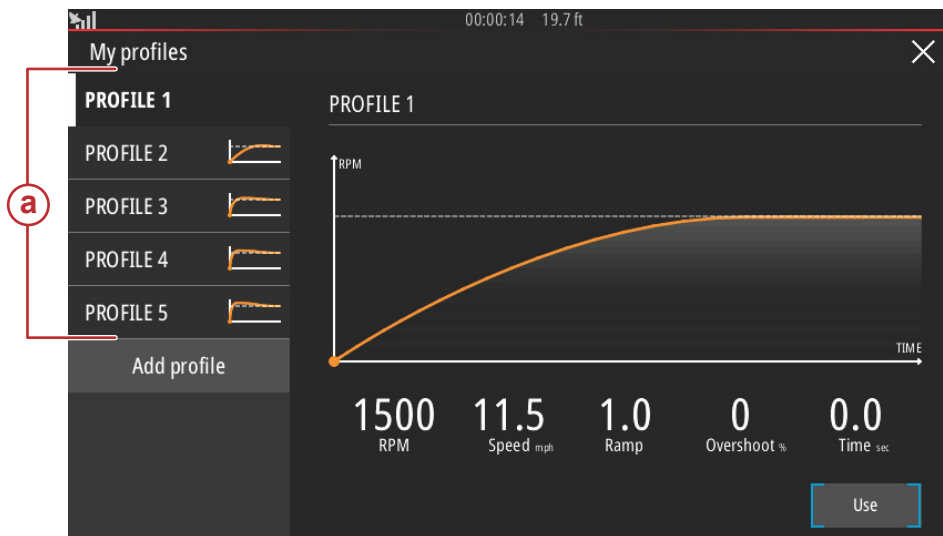
61785

Smart Tow is based on the engine RPM unless the vessel has a GPS installed and connected to the control area network. When the vessel contains a GPS, you can select either speed targets or engine RPM targets for Smart Tow control options. You can also create custom launch profiles.

Features

Smart Tow utilizes the user-selected data area and the footer section to allow you to adjust the settings. Touch or swipe to move through the selection box fields. The footer section allows you to enable or disable Smart Tow, save, or exit. The items located in the data area footer require the selection to be touched or use the rotary knob to highlight and select.

Smart Tow offers five factory preset launch profiles, or the operator can create new custom launch profiles. Custom profiles are helpful when there are people onboard with varying levels of experience with watersports equipment. The operator can create more aggressive launches for experienced skiers, as well as milder launches for children or inflatables towing.

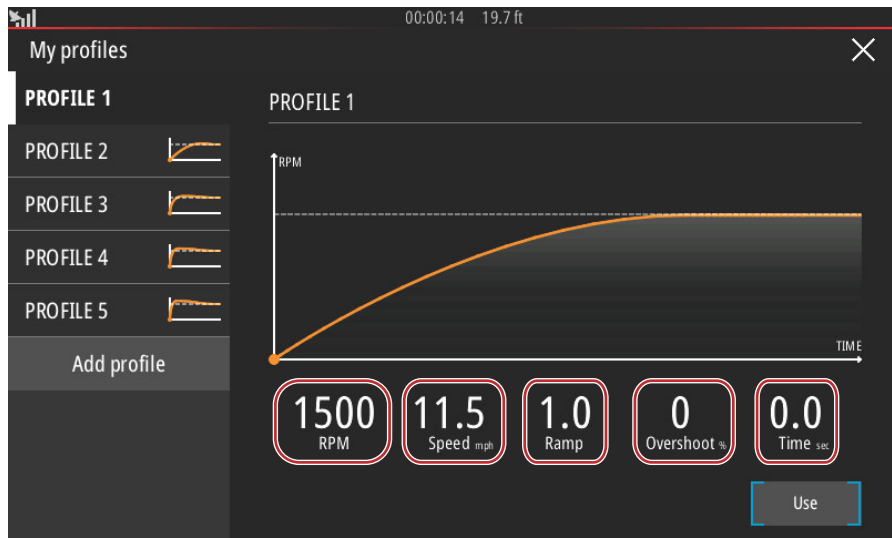


61786

There are five selection fields within a profile. Use the rotary knob or touch to change the profile selections.

- RPM and speed. The operator can adjust the RPM or speed by selecting the data screen area.
- Ramp is the time that the boat will take to get to the set point.
- Overshoot is the percentage over the set point the boat will achieve.

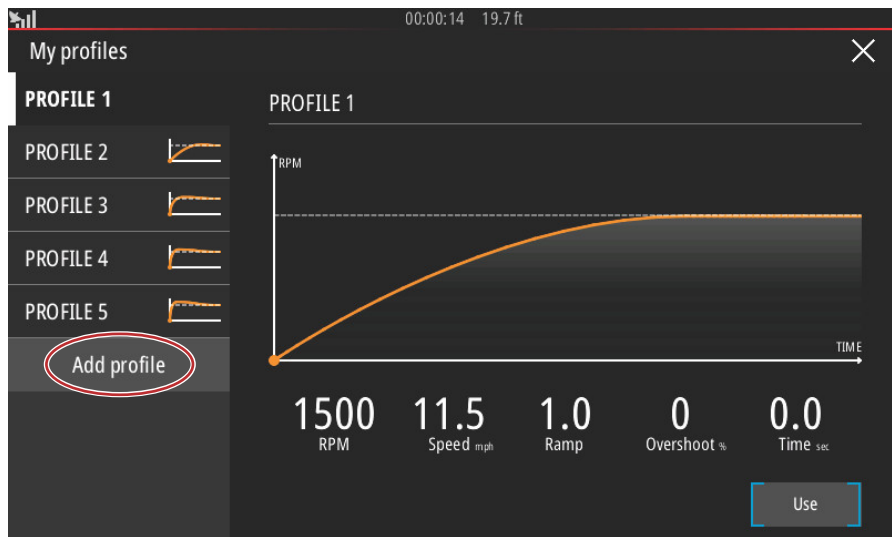
- Time is the length of time that the boat will remain above the selected speed.



61787

Five selection fields to create a profile

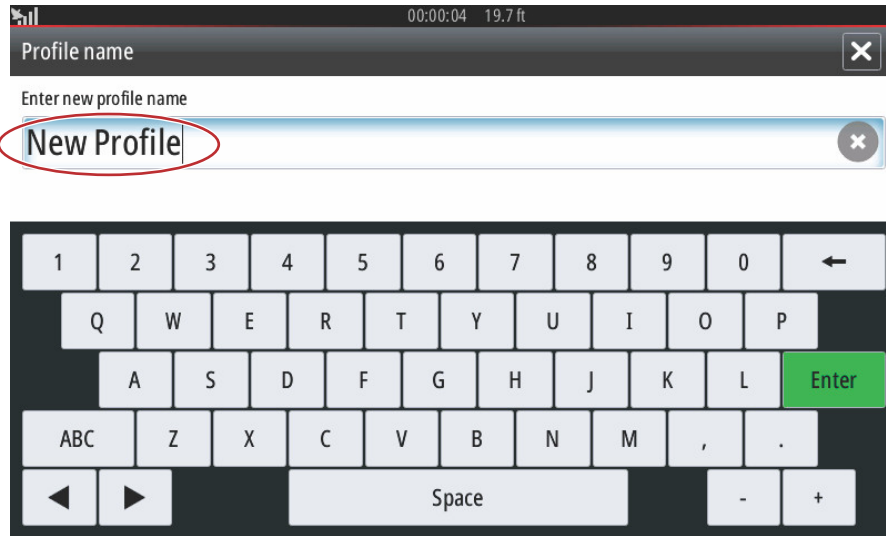
To create a new profile, select Add profile.



61788

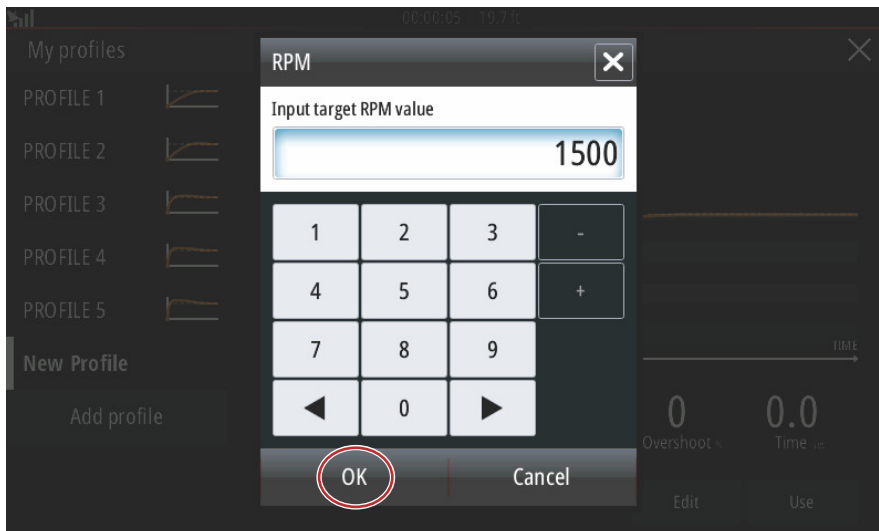
Section 3 - Autopilot Features and Operation

Using the on-screen keyboard, give the new launch profile a name.



61789

In the New Profile screen, the operator can edit each of the five selection fields. After all of the selections have been edited, select the Use button to utilize the new Smart Tow launch profile.



61790

To activate any Smart Tow launch profile. Select the Enable option and place the throttle levers in wide-open forward. Smart Tow will take care of the rest.



61791

Disabling Smart Tow

To exit out of Smart Tow, Disable must be selected. VesselView will transfer throttle control back to the operator. When Smart Tow is enabled, moving the throttle lever to any point below the speed target will decrease the speed of the boat, but the top speed of the boat will not increase beyond the target speed.



61792

Cruise Control Mode

Cruise Control

The cruise feature allows the operator to select a set point and adjust the value so the vessel maintains a specific speed or engine RPM.

- Cruise is RPM based, unless the vessel incorporates a Mercury Marine GPS into the control area network.
- If the vessel has a Mercury Marine GPS, the default setting is vessel speed.
- The operator can select either RPM set points or speed-based set points. The type of cruise option can be changed in the Settings menu.

NOTE: Cruise Control can be disabled by placing the remote control levers in neutral.

Activating Cruise Control Mode

To activate the Cruise autopilot option, select the Vessel Control tab on the left-hand side of the screen.



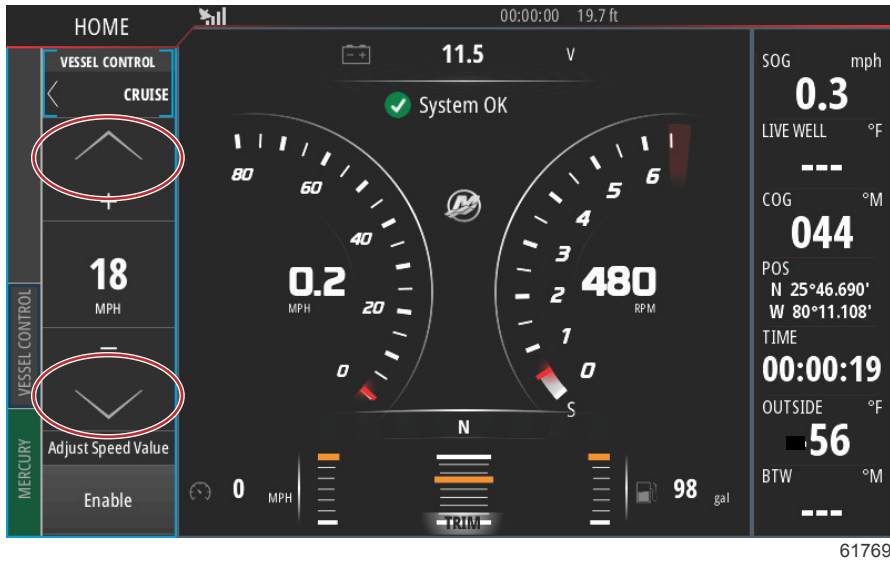
61767

Select the Cruise Control tile in the Vessel Control bar.



61768

Select the up or down arrows to achieve the desired speed.



61769

With the desired cruise speed set, select the Enable tile in the cruise bar. Place the remote control handles in the forward gear position, and place the handles in the wide-open throttle position. VesselView will increase the speed of the vessel to the selected set point chosen by the operator.



61770

Section 3 - Autopilot Features and Operation

When Cruise is active the Vessel Control tab will be orange, alerting the operator that the vessel is in an autopilot control mode.



Cruise Control mode can be cancelled by placing the remote control handles in the neutral position or by selecting the Disable tile in the bottom of the Cruise Control bar. To access the Disable tile, select the Vessel Control tab on the left-hand side of the screen, this will bring up the Cruise Control bar and the Disable option.

Troll Control Mode

Troll Control

Troll RPM ranges are power package dependant, but the maximum RPMs for all engines or outboards is 1000 RPM. To activate Troll Control, select the Vessel Control tab on the left-hand side of the screen.



Select the Troll Control tile in the Vessel Control Bar.



61758

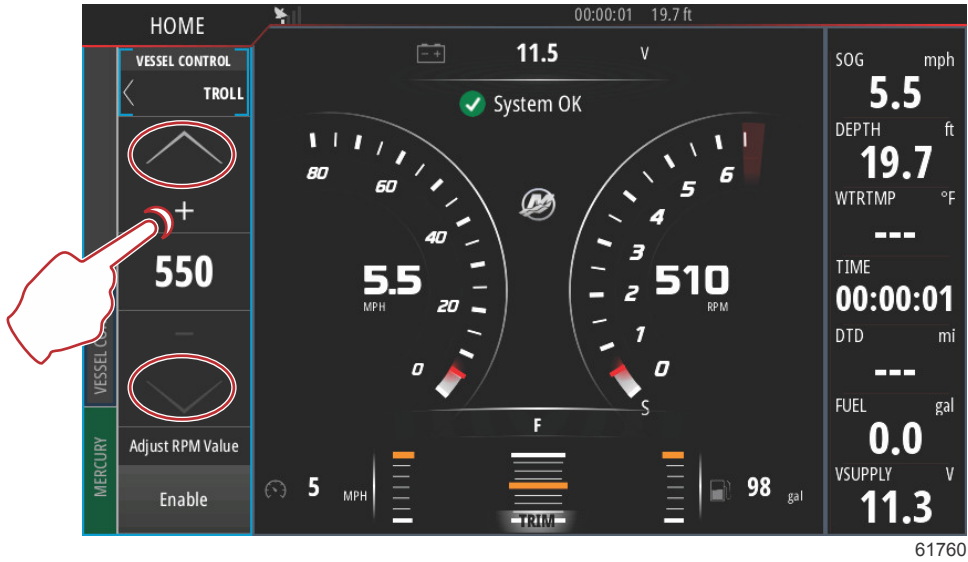
The vessel must be in gear and the throttle must be at idle. If the vessel does not meet these conditions, a warning icon and accompanying text will instruct the operator on how to make Troll Control available.



61759

Section 3 - Autopilot Features and Operation

When gear and throttle conditions are met, the Vessel Control bar will display Troll Control options. The increase and decrease arrows are grayed out when either the minimum or maximum RPM value has been selected. Select the + or - icons on the screen to adjust the RPM value.



When the desired RPM value has been chosen, select the Enable tile. This will start Troll Control and the engines will climb to the desired RPM.



61762

The Enable tile will turn orange and read Disable. The Vessel Control tab will turn orange and display a warning symbol and the text Troll Active.



61763

Section 3 - Autopilot Features and Operation

The Vessel Control bar can be minimized during Troll Control operation without affecting the Troll Control autopilot function. Select the arrow in the upper left-hand corner of the Vessel Control bar to minimize the bar.



61764

The main screen returns to normal size and the Troll Active tab is visible in orange on the left-hand side of the screen.



61765

To disable troll control, select the Troll Active tab, which will display the Troll Control options bar. Select Disable to turn Troll Control off.



Notes:

Section 4 - Setup and Calibrations

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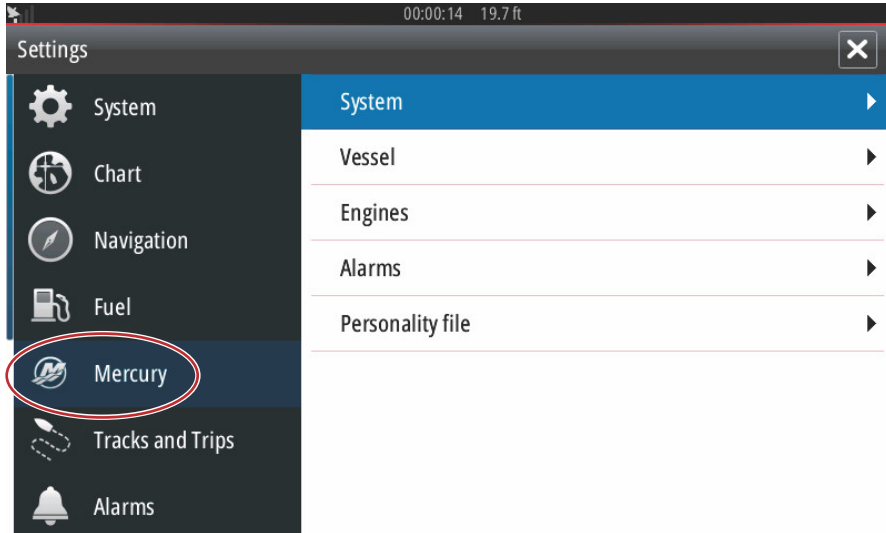
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System Settings

Navigation to the Settings Menu

Changes in any of the settings can be made at any time using the Settings menu. All drop-down and flyout menus can be navigated by touching the screen or by using the rotary knob.

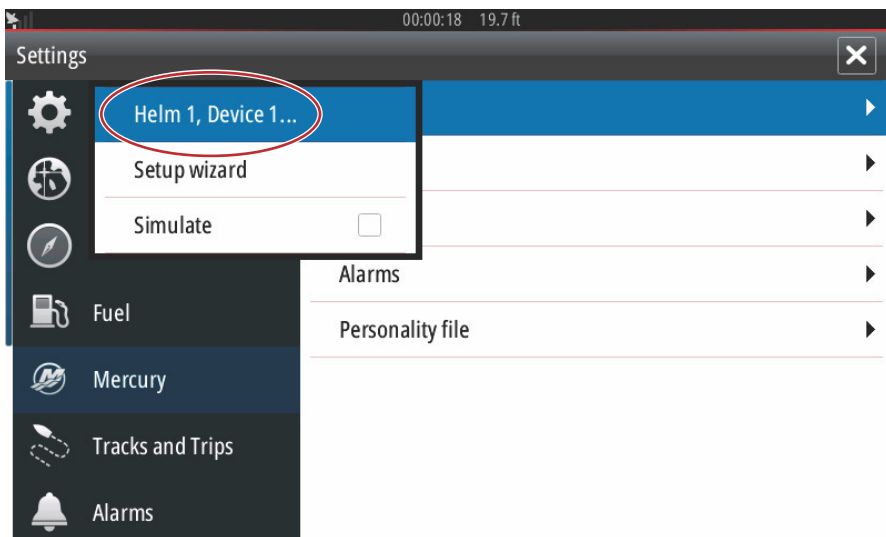
The Settings menu can be found by swiping downward from off the screen onto the upper portion of the screen. This will bring up the System Controls window. Select the Settings tile. A menu will appear on the left portion of the screen. Select Mercury from the list of options. The window of VesselView settings controlled by the Mercury side of the MFD will appear.



61655

Helm and Device Locations

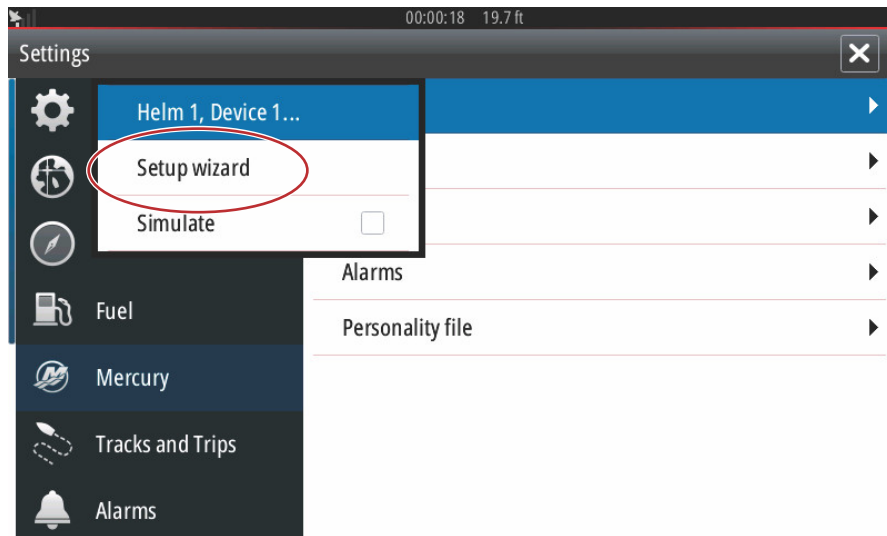
Within the System Settings the operator can define the location and the number of the VesselView device. This is important when there are multiple VesselViews installed on a vessel. Assigning unique helm locations and device numbers prevents communication errors over the control network.



61656

Setup Wizard

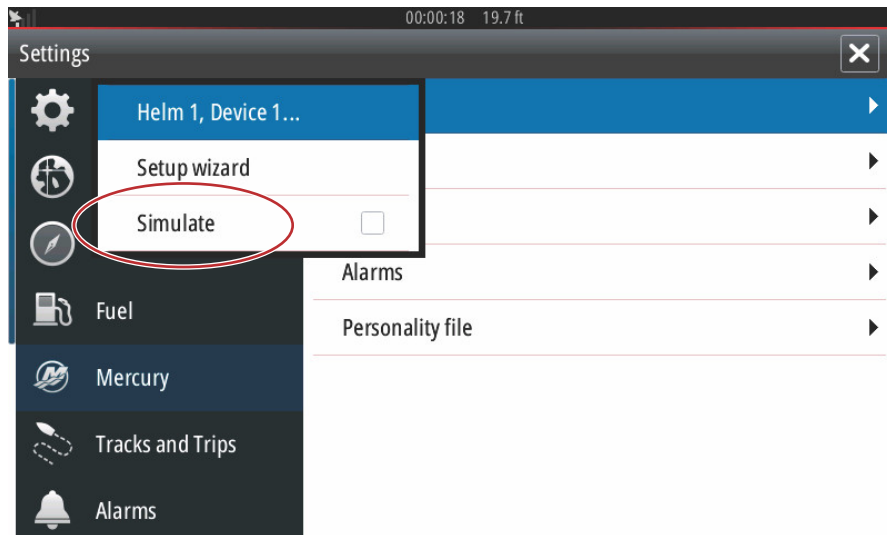
Setup wizard is covered in Section 2. Changes to the Setup wizard can be made at any time by accessing the program through this menu.



61657

Simulate

Simulate is used at a dealer level, to show consumers the display characteristics of the display. When the unit is in Simulate mode, the data shown on the screen should not be used as navigation information. All data shown during Simulate is randomly generated.



61658

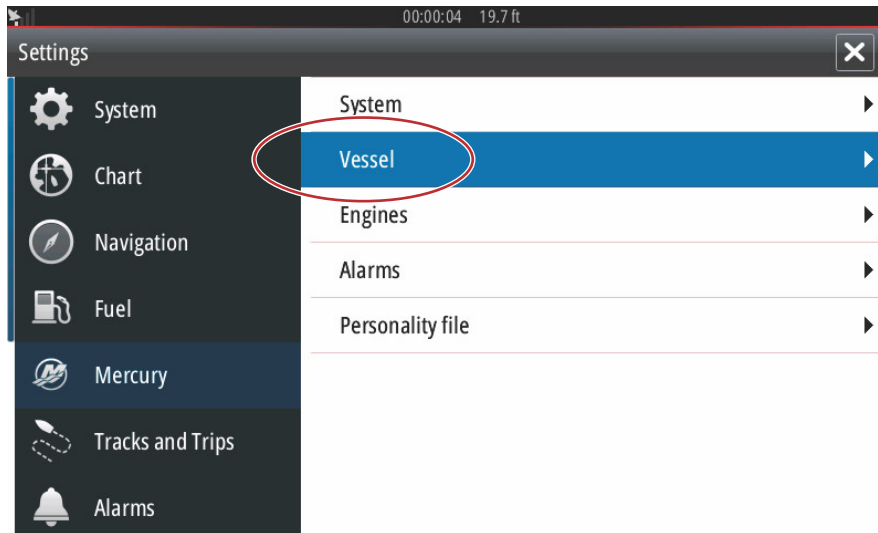
Vessel Settings

Tabs

The Settings menu can be found by swiping downward from off the screen onto the upper portion of the screen. This will bring up the System Controls window. Select the Settings tile. A menu will appear on the left portion of the screen. Select Mercury from the list of options. The window of VesselView settings controlled by the Mercury side of the MFD will appear.

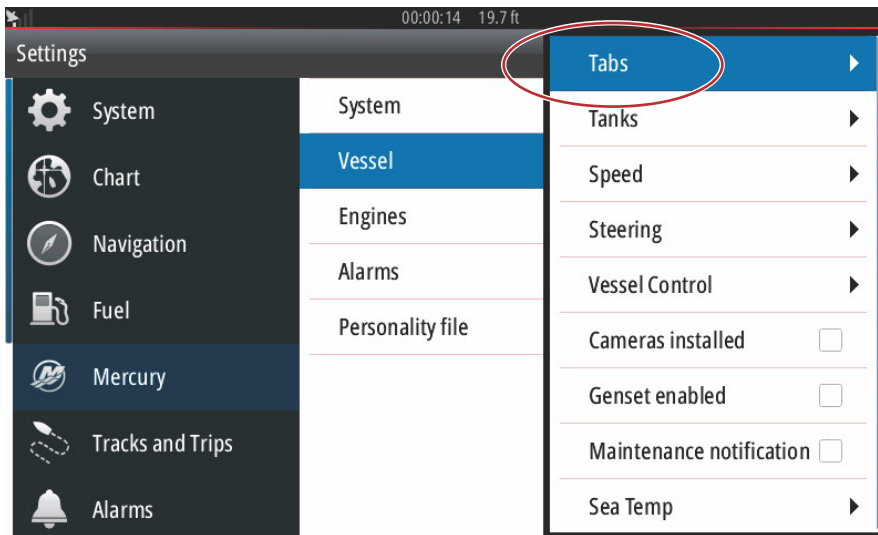
Section 4 - Setup and Calibrations

Select the Vessel settings option.



61659

Select the Tabs option.

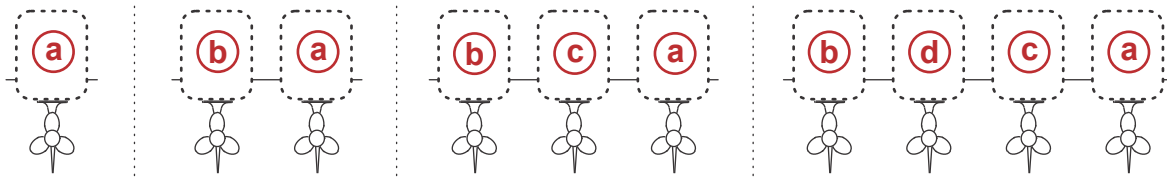


61660

Tabs settings allows the operator to display the tab positions on the screen by selecting the Show checkbox. The Source option allows selecting the outboard or drive that carries the Tab sensor data to the network.

The tab sensor data is sent by one of the outboards or drives on the vessel. Use the following image to determine the proper selection.

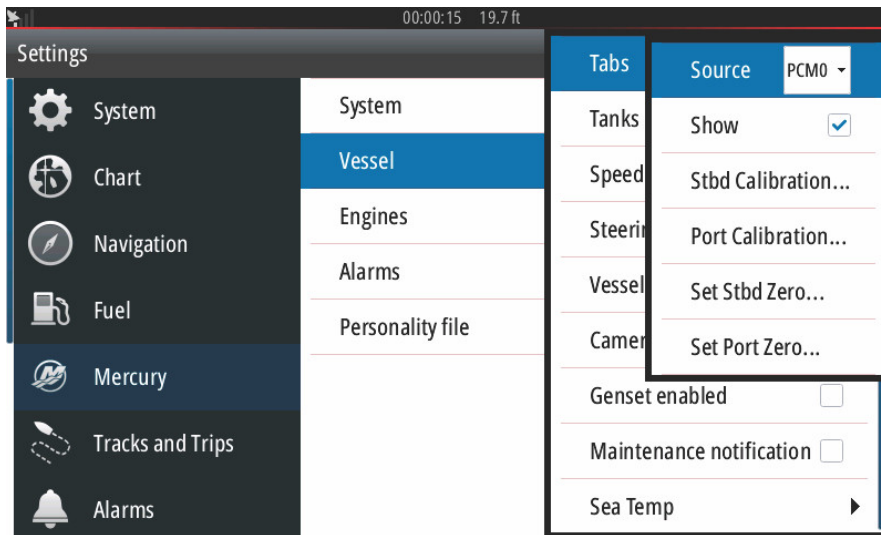
In addition to the PCM selections, there are options to select either the TAB—trim tab interface module, or the TVM—thrust vector module, to send tab data to the VesselView.



60056

Drive assignment options

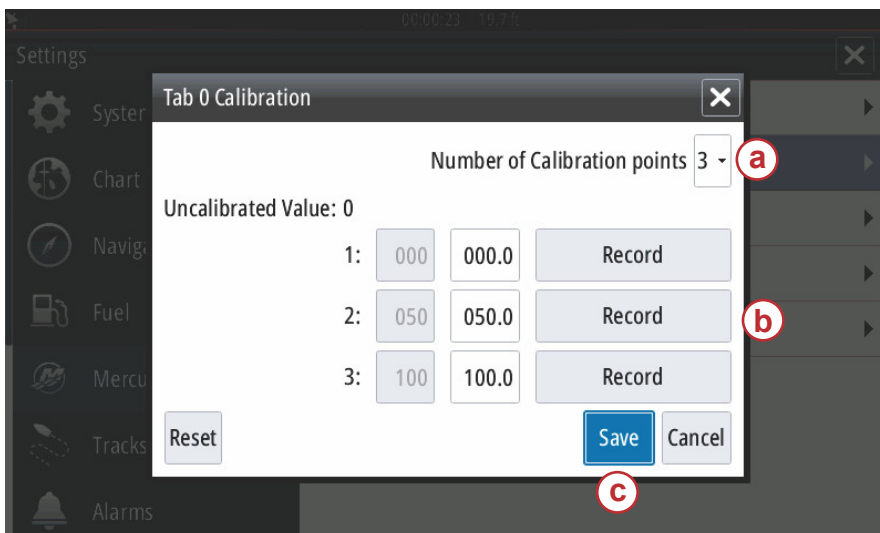
- a** - PCM0 = starboard or starboard outer
- b** - PCM1 = port or port outer
- c** - PCM2 = starboard inner or center
- d** - PCM3 = port inner



61661

Tab calibration allows the operator to put the tabs in their uppermost and lowermost positions and record the percentages. This is useful for determining the true 0° trim position—the point at which the tabs are parallel with the bottom of the vessel. Correctly calibrated tabs will show an accurate position of the sliders on the screen.

To calibrate the tabs, trim the tab parallel to the hull, record the reading, this will be the tabs actual 0%. Trim the tab all the way down, record the reading, this will be the tabs actual 100%. Select Save to keep the new calibrated tab data.



61669

- a** - Select the number of points of calibration desired
- b** - Position of the tabs for recording purposes
- c** - Select save to keep the calibration

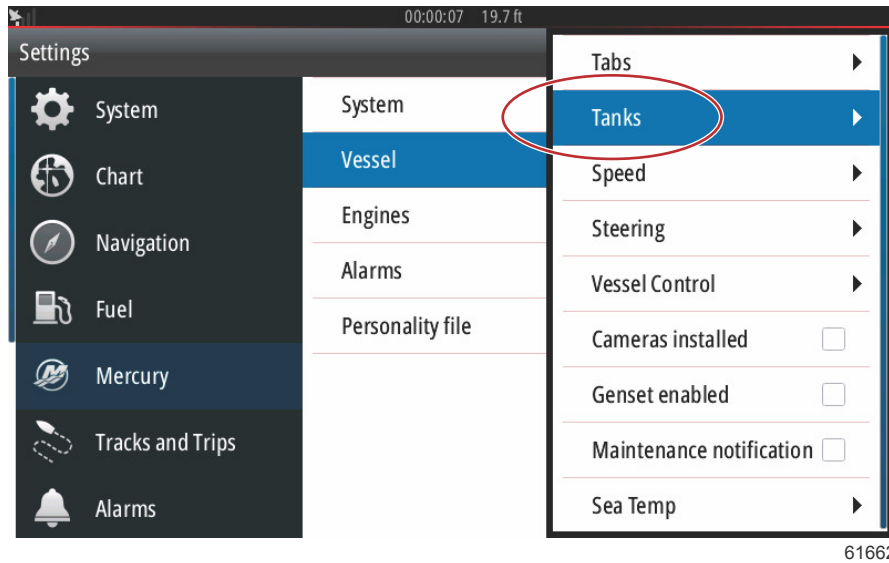
Section 4 - Setup and Calibrations

The Set outboard or drive to Zero is the actual tab position that will read 0% on the display. Operators can determine at which point the vessel runs flat in the water. At this running position, the tabs may actually be at a percentage of downward angle. The Set to Zero option allows the operator to have the optimal flat aspect of the vessel read as 0% on the gauge. As an example 10% actual tab position is where the boat runs flat, so the VesselView will display it as 0. Go below 10% and it will show negative numbers.

Tanks

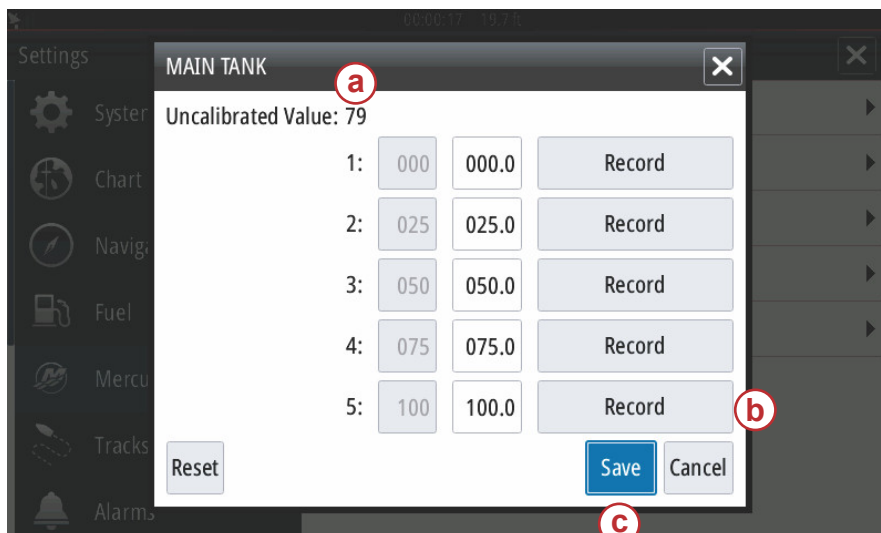
Tank configuration is covered in the Setup Wizard, but additional changes and settings can be made through the Tanks menu at any time.

Tank settings and calibrations allow the selection of the type of tank, the capacity of the tank, and the calibration method for tanks.



61662

Performing Tank Calibration: There are many situations in which a tank may need calibration; odd shaped tanks, V-bottomed tanks, stepped-sided tanks, and even a tank's aspect when the boat is in the water. Floats and senders can send inaccurate data to the operator, causing problems with fuel and other volume display. The most accurate way to achieve tank calibration is to start with an empty tank with a known capacity. Pump one quarter of the capacity and record the float or sender position. Repeat this procedure in one quarter increments, recording the float or sensor position each time, until the tank is full. Tank calibration allows the operator to adjust the full through empty readings of a tank. When a tank is highlighted, select the arrow on the right side of the tab to activate the calibration screen. The default readings are in the second column, and can be selected. In the following example, we know that the fuel tank is full, but we are receiving a reading of 79 percent full. Select the record button in the 100 percent row, VesselView will now consider a reading of 79 percent as full, and adjust the half and empty readings accordingly. When the level of a tank is known to the operator, tank calibration can be used to correct the gauge reading to match the known level at any time.



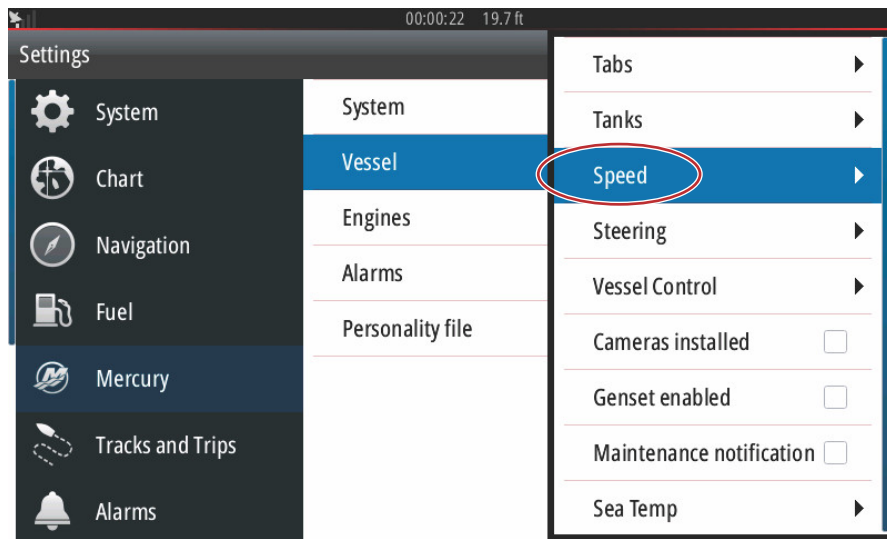
- a** - Current full reading before calibration
- b** - Record calibration fields
- c** - Save the current calibration data

61671

When tank calibration is complete, select Save and the unit will return to the navigation screen.

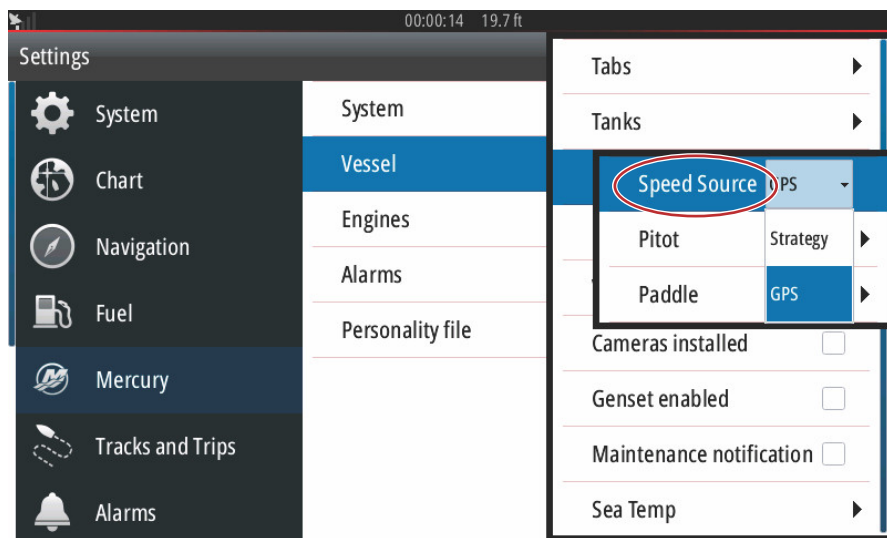
Speed

Speed settings allow the operator to select the type of sensor or sender that the VesselView will receive speed data from. Speed settings can be configured using this menu.



61684

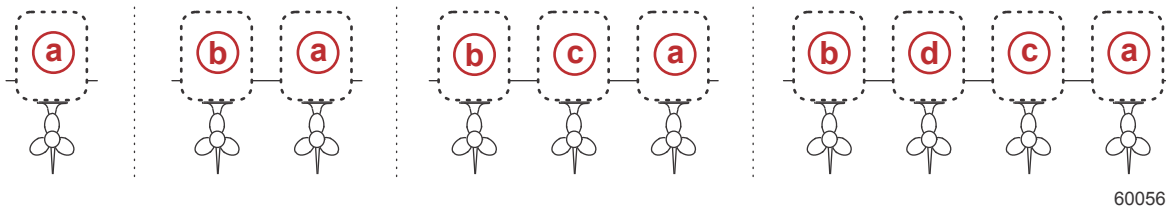
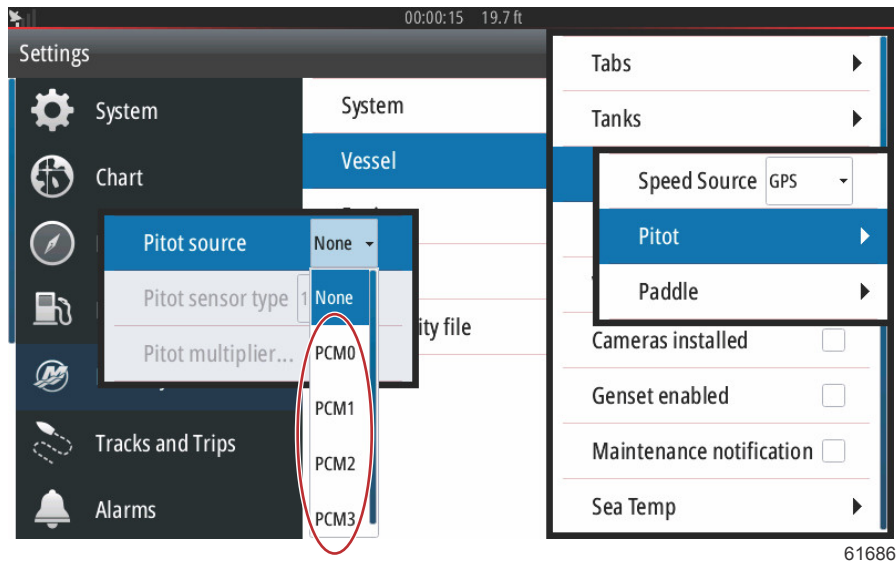
Speed source has the option of choosing a GPS and the GPS source, the CAN P or the CAN H network. A strategy using a pitot sensor and/or a paddle wheel can also be selected. Selecting the pitot or paddle wheel options brings up a selection of sources.



61685

Section 4 - Setup and Calibrations

The pitot sensor data is sent by one of the outboards or drives on the vessel. Use the following images to determine the proper selection.



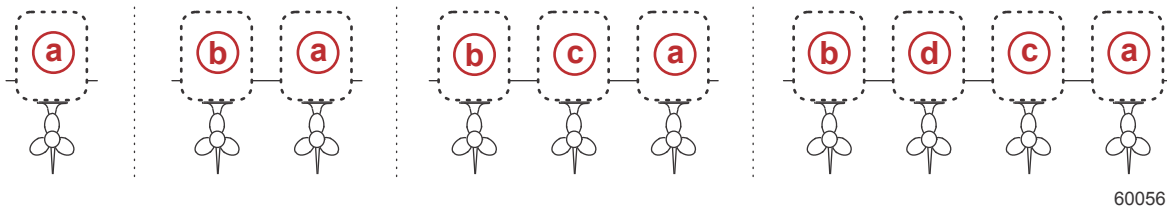
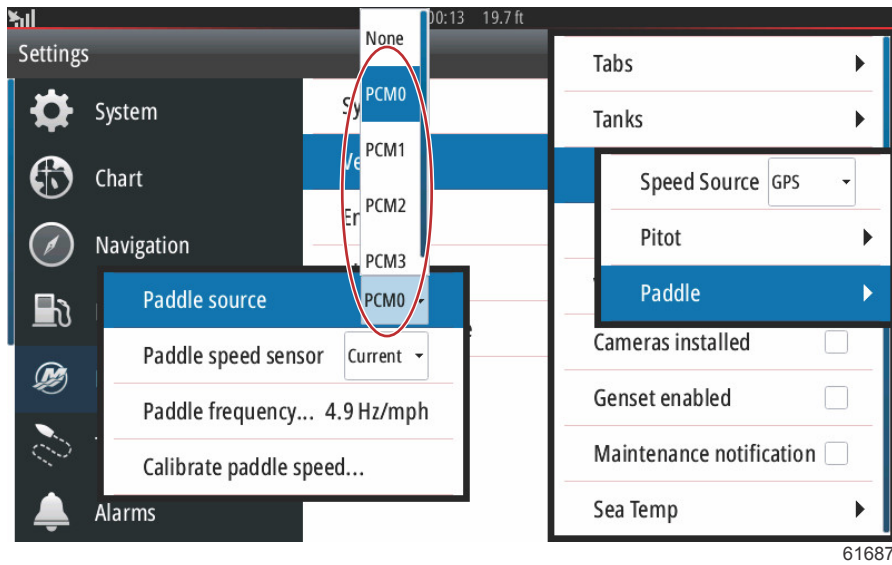
Drive assignment options

- a** - PCM0 = starboard or starboard outer
- b** - PCM1 = port or port outer
- c** - PCM2 = starboard inner or center
- d** - PCM3 = port inner

Pitot type options include 100 psi and 200 psi. The 200 psi option only applies to select Mercury Racing outboard models.

The pitot multiplier will use 1.00 as a default setting and can be increased or decreased to correct speed display readings that read too high or too low. For a low speed reading, increase the pitot multiplier by selecting the multiplier window and use the on-screen keypad to enter an amount. For a high speed reading, decrease the pitot multiplier by selecting the multiplier window and use the on-screen keypad to enter an amount.

Select the outboard or drive that will send paddle wheel data to the VesselView. Use the following images to determine the proper selection.



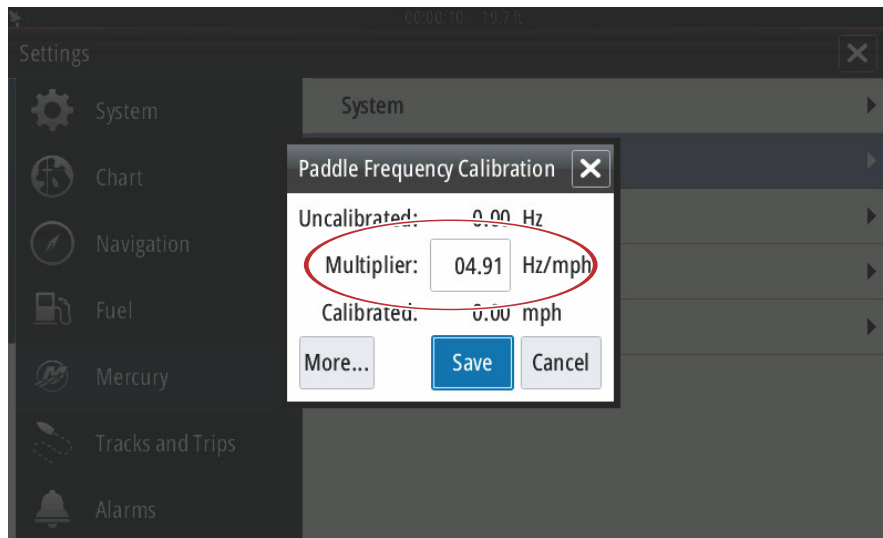
Drive assignment options

- a** - PCM0 = starboard or starboard outer
- b** - PCM1 = port or port outer
- c** - PCM2 = starboard inner or center
- d** - PCM3 = port inner

Paddle wheel type can be chosen as either Legacy or Current depending on the model used on the vessel.

Section 4 - Setup and Calibrations

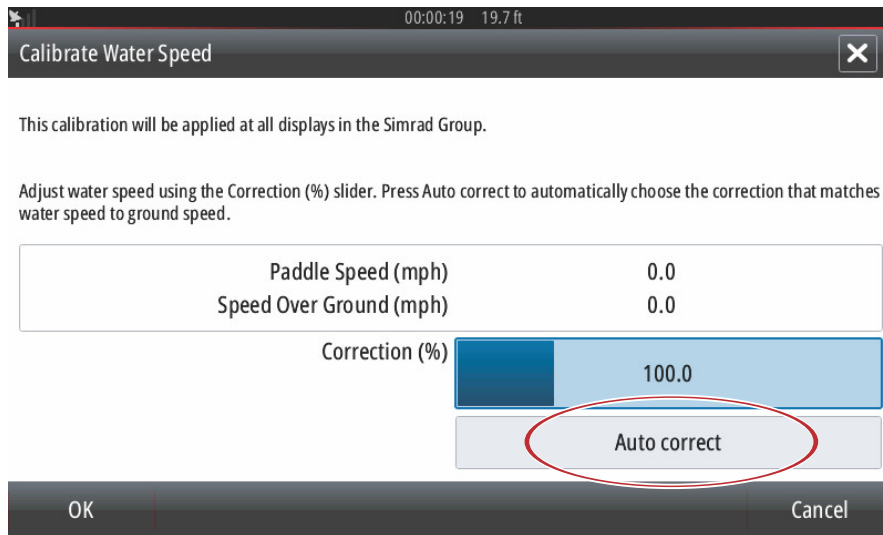
Paddle wheel frequency can be changed to match the requirements of different sensors. The frequency of the paddle wheel speed sensor offered by Mercury Marine is 4.9 Hz per mile or 5.7 Hz per knot. Check the instructions that came with the paddle wheel for specific information on the paddle wheel frequency output. Select the multiplier window and use the on-screen keypad to enter an amount. Selecting Auto correct will synchronize the paddle wheel to the output of the GPS. The slider bar can also be used to achieve that same result.



61688

Calibration of the paddle wheel is accomplished by using a GPS enabled device to help the operator adjust the reading of the paddle wheel. Using the slider allows the operator to increase or decrease the paddle wheel sender data.

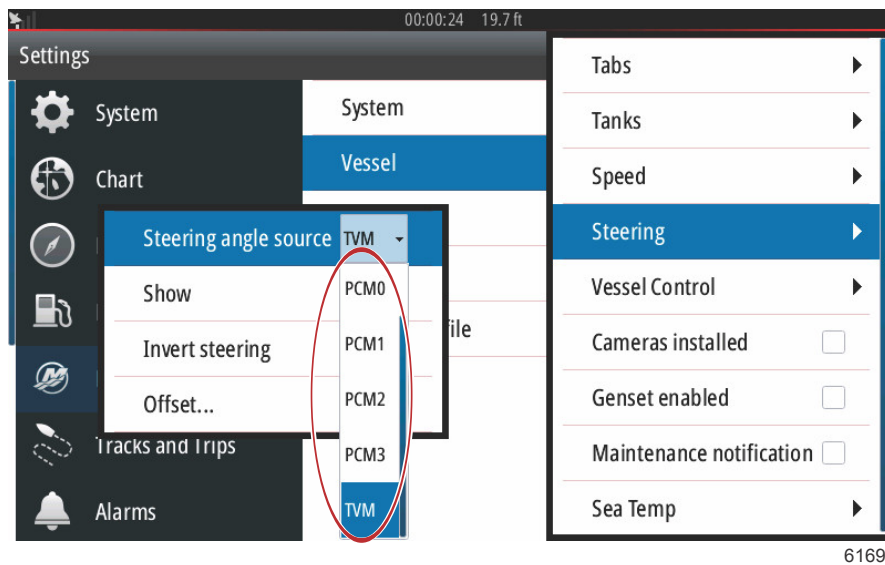
Selecting Auto correct will synchronize the paddle wheel to the output of the GPS (if installed on the network). The slider bar can also be used to achieve that same result.



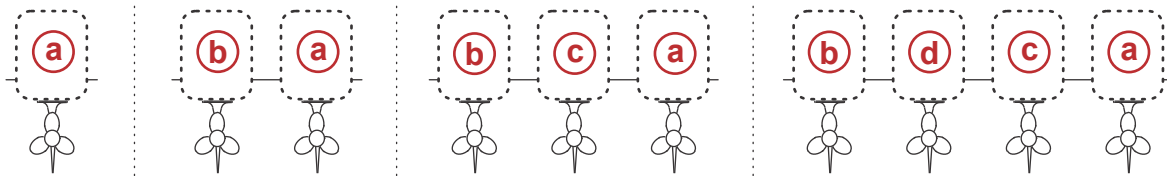
61689

Steering

Steering source data can be selected to come from either the PCM or the TVM—thrust vector module, with options to display the data on-screen, to invert steering input, and to establish a steering offset degree.



61697

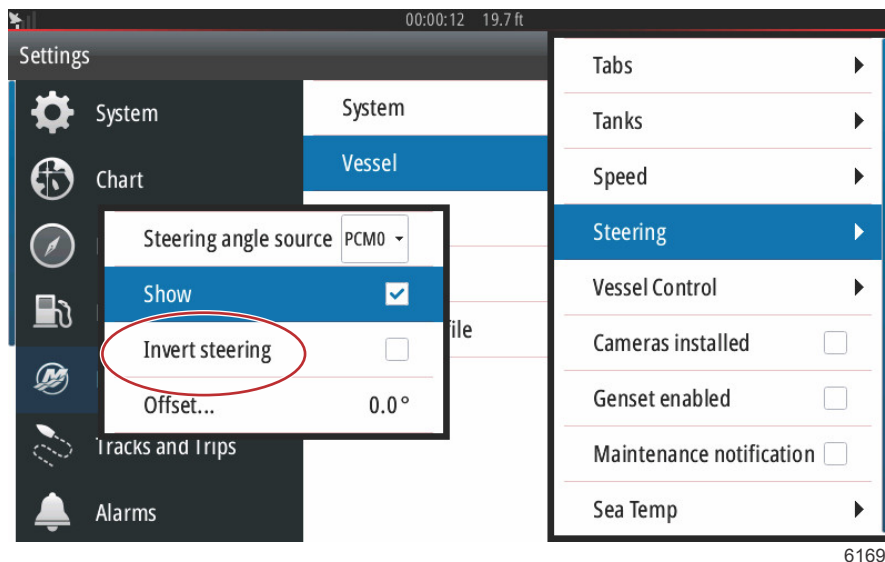


60056

Drive assignment options

- a** - PCM0 = starboard or starboard outer
- b** - PCM1 = port or port outer
- c** - PCM2 = starboard inner or center
- d** - PCM3 = port inner

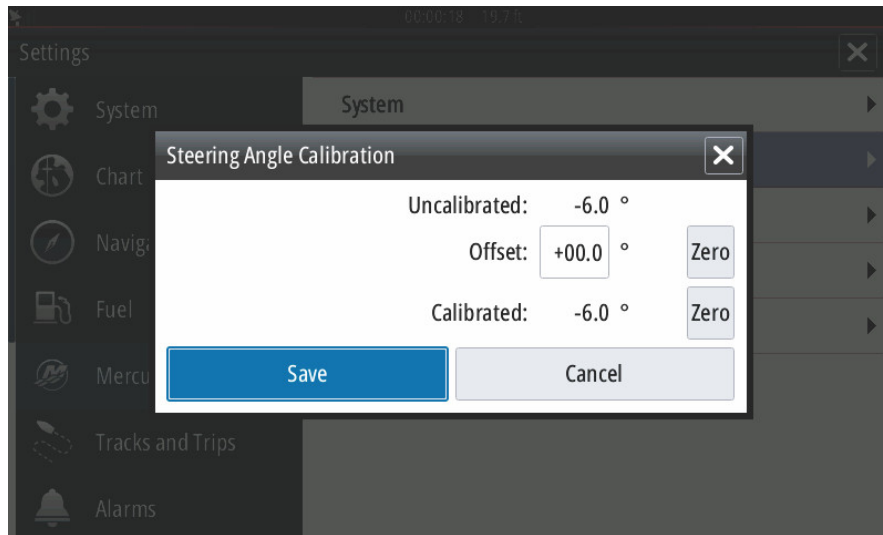
The Invert steering option is helpful when there is a VesselView which is rear-facing. In this case the steering data will match the operator's point of view.



61698

Section 4 - Setup and Calibrations

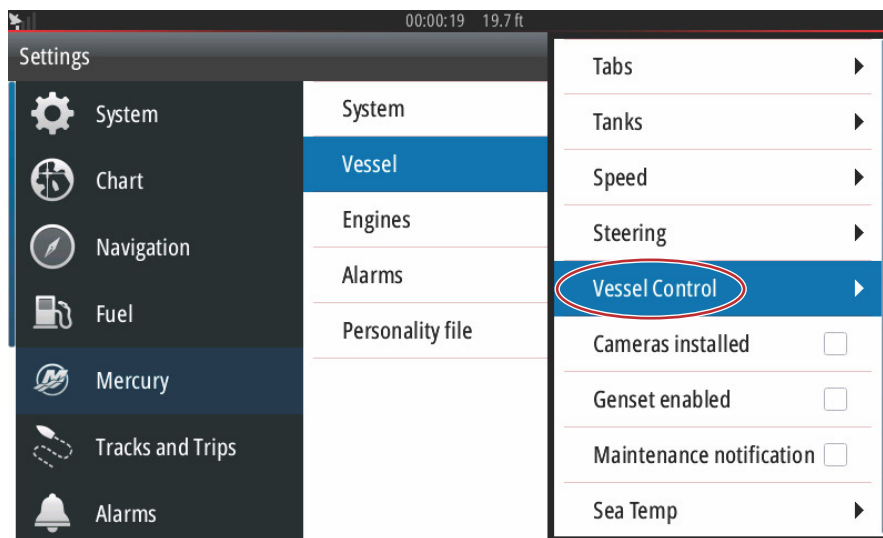
Steering Offset is used to align the outboard, sterndrive, or inboard to zero degrees. When the drive is positioned perpendicular to the hull, the steering angle displayed on-screen may not match the steering sensor on the drive. To adjust for this variance, select the Offset window. The Steering Angle Calibration box appears. Selecting the Calibrated row Zero button will apply the offset. Note that the offset does not change on the display screen until the Save button is selected.



61699

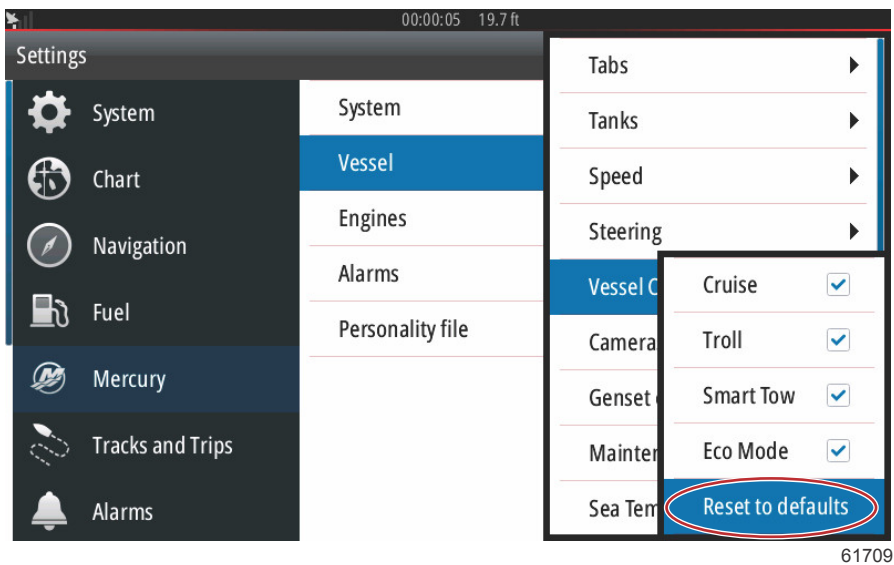
Vessel Control

Vessel Control settings allows the operator to activate the availability of the autopilot features.



61700

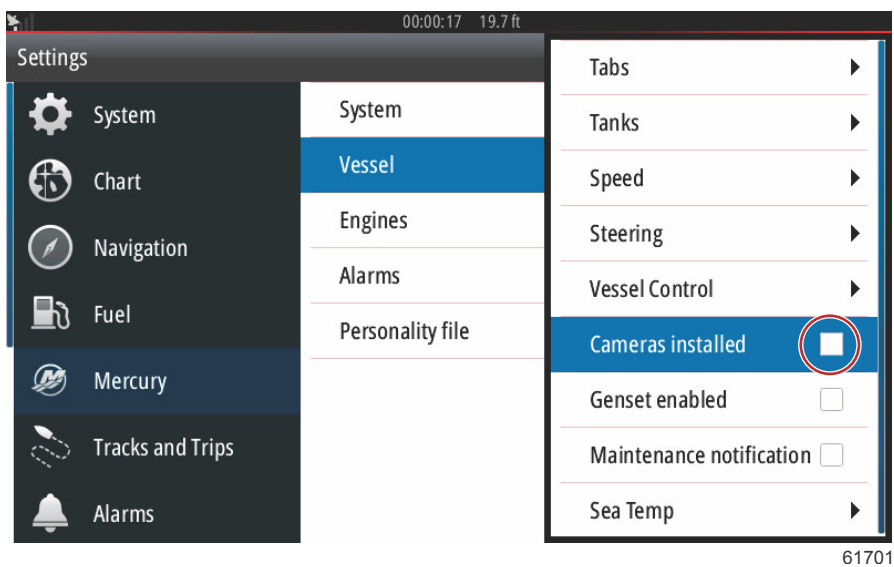
Selections for autopilot features are Cruise, Troll, Smart Tow, and Eco Mode. A Reset to defaults will uncheck any or all of the autopilot features that are not available based on the power package of the vessel chosen in the Setup Wizard.



NOTE: If after the Reset to defaults option is chosen, all of the boxes are unchecked, your engine does not support the autopilot features of the VesselView.

Cameras installed

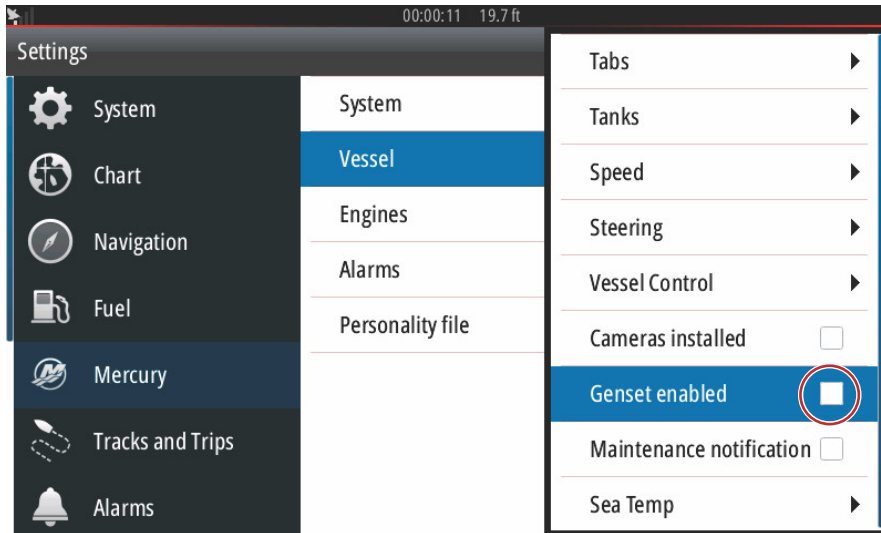
Cameras installed allow the user to view videos or camera sources on the VesselView screen. VesselView supports two video channels. You can select to view one channel only, or to cycle the screen between available video cameras. The cycle period can be set from 5 to 120 seconds. The display can be optimized by adjusting the video settings. The adjustments are individual to each source.



IMPORTANT: If the vessel does not have cameras installed, make sure that this option is unchecked. In certain situations, the VesselView can experience disruptions in data display if the Cameras installed box is checked and the VesselView cannot locate camera sources.

Genset Enabled

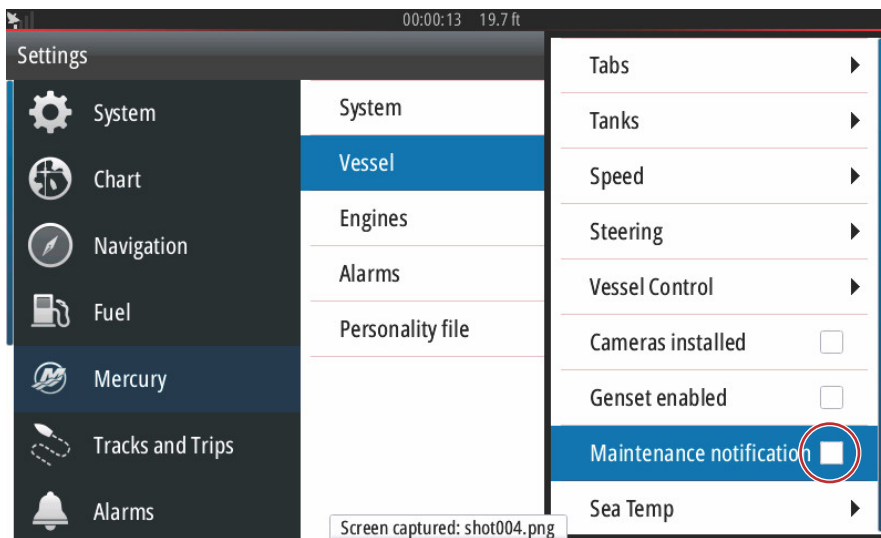
Genset enabled allows the VesselView to query the network for genset data.



61702

Maintenance Notification

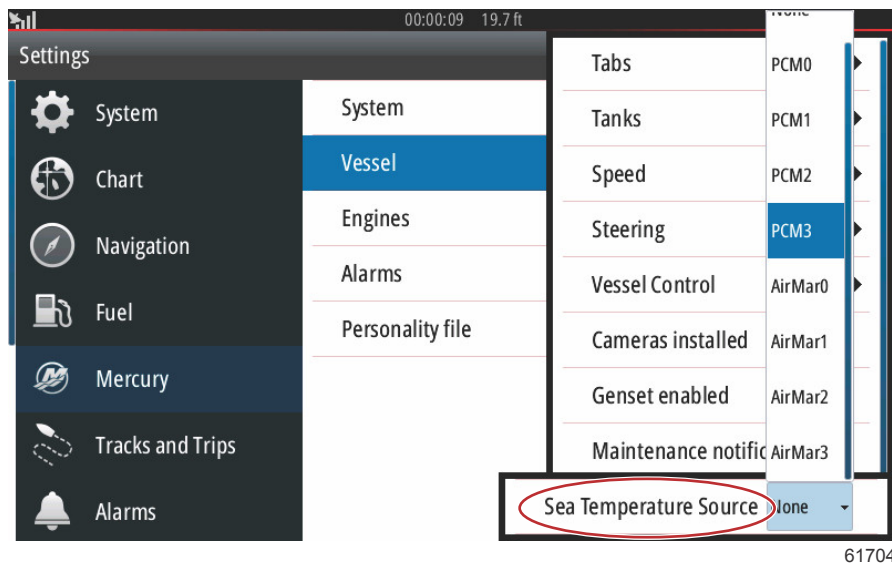
The Maintenance notification checkbox will allow VesselView to display scheduled maintenance pop-ups on-screen.



61703

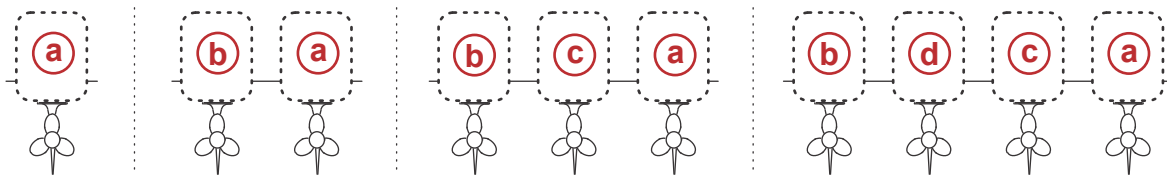
Sea Temp

The Sea Temperature Source can be selected by choosing the engine that will send the data or by selecting the appropriate sensor from the list.



61704

The following illustration shows the physical location of the PCMs.



60056

PCM locations

- a** - PCM0 = starboard or starboard outer
- b** - PCM1 = port or port outer
- c** - PCM2 = starboard inner or center
- d** - PCM3 = port inner

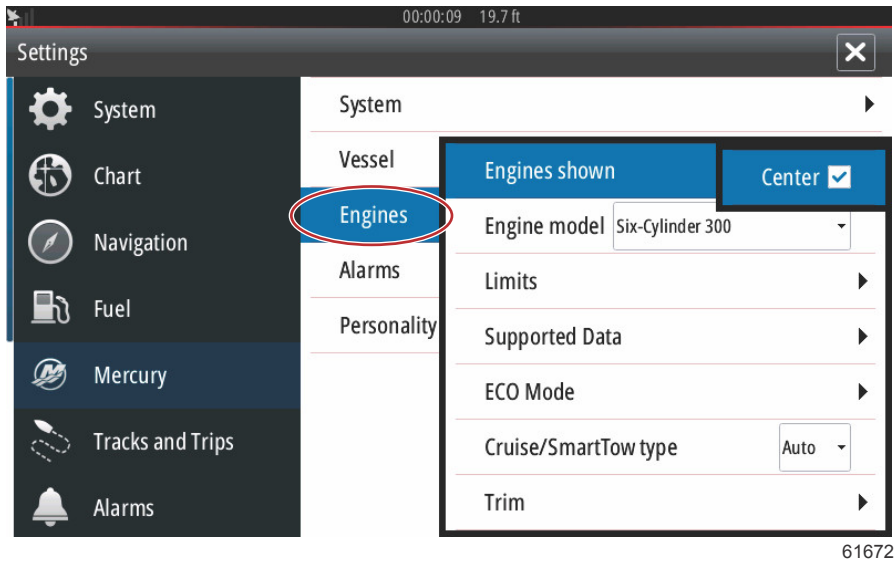
Engines Settings

Engines Shown

The Settings menu can be found by swiping downward from off the screen onto the upper portion of the screen. This will bring up the System Controls window. Select the Settings tile. A menu will appear on the left portion of the screen. Select Mercury from the list of options. The window of VesselView settings controlled by the Mercury side of the MFD will appear.

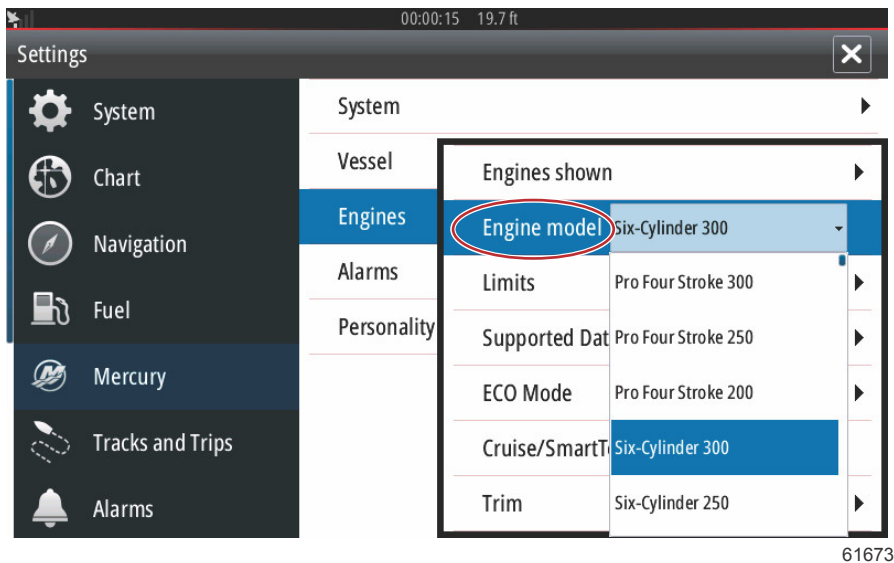
Section 4 - Setup and Calibrations

Engines shown is covered during the Setup Wizard process, but display options can be changed in the Engines settings menu at any time. VesselView can display up to four engines, depending on the number of engines chosen during the Setup Wizard process. The operator can select which engines are displayed. Checking or unchecking the engine selection will determine which engines are displayed on the VesselView.



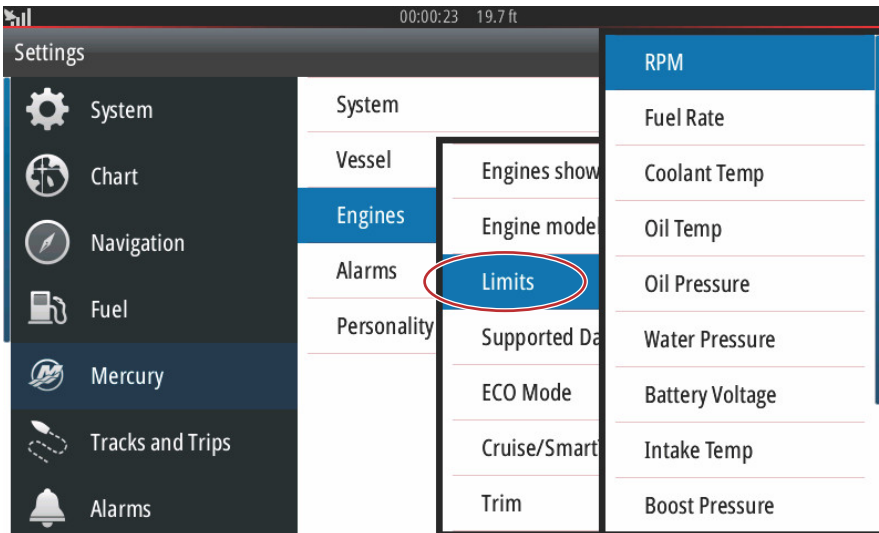
Engine Model

Engine model selection allows the user to change power package descriptions. Engine models is covered during the Setup Wizard, but changes can be made anytime. Any changes made here may make other settings and display options unavailable in VesselView.



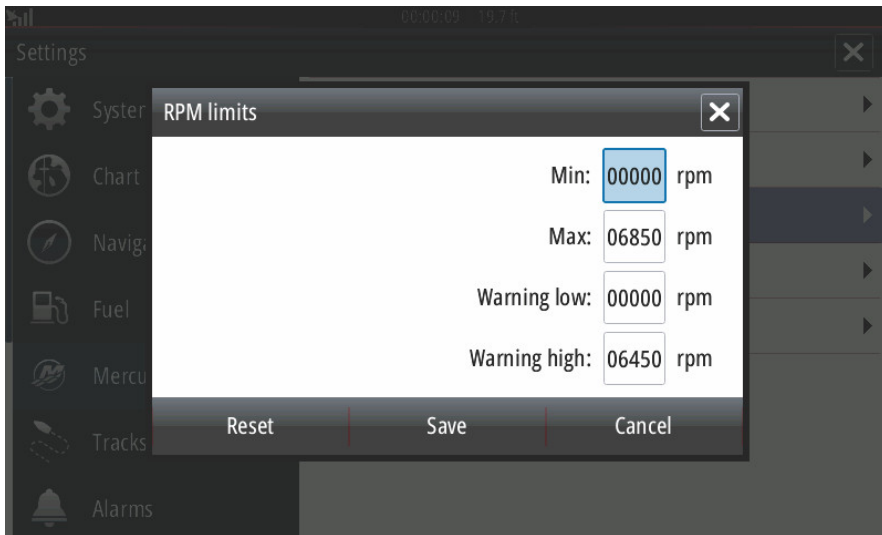
Limits

Limits helps set specific ranges for many engine data parameters, such as; RPM, coolant temperature, oil temperature, battery voltage, and boost pressure. Changes made to limits will not affect the engine package or the operation of Mercury's Engine Guardian programming. The actual engine limits are determined by the factory programmed control module on the engine.



61674

The following image shows a typical Engine Limits screen.



61675

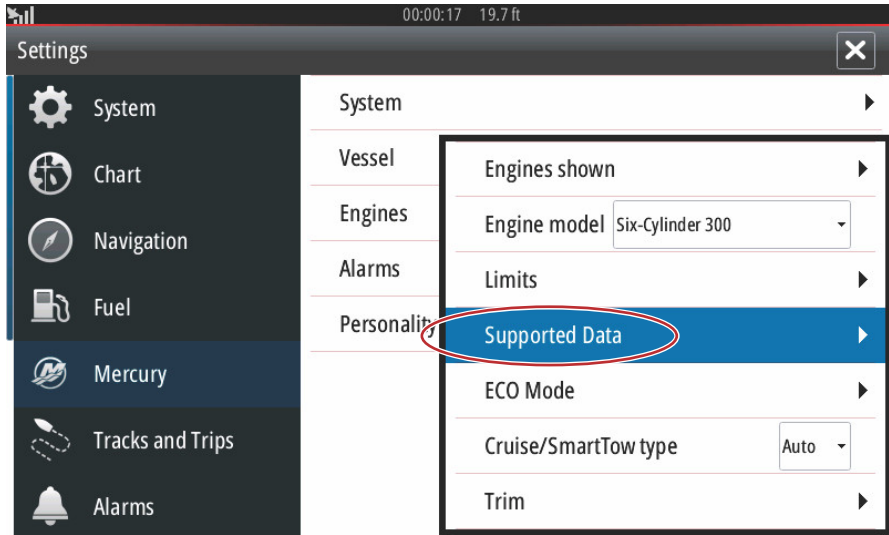
Setting	Description
Min:	The value of the base of the on-screen graph
Max:	The value of the top of the on-screen graph
Warning low:	The value at the top of the lower color section of the on-screen graph
Warning high:	The value at the bottom of the upper color section of the on-screen graph

The default minimums and maximums are factory preset to the engine package chosen during the Setup Wizard or the Engines Setting menu. Increasing or decreasing the warning minimums and maximums is generally regarded as the boater's personal preference.

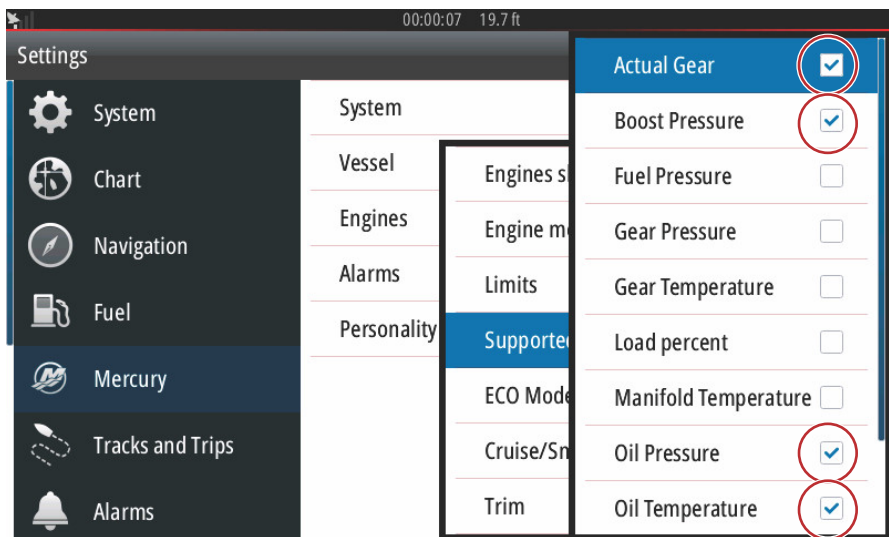
NOTE: If the operator is utilizing the Navico side of the MFD, and any min/max warning limits in the Mercury side are exceeded, there will be an alert beep generated.

Supported Data

Supported Data allows the operator to select the types of data that the VesselView will display. The list of data sources is dependent on the power package selected during the Setup Wizard. Select the checkbox for each data item you want VesselView to be able to display.



61705

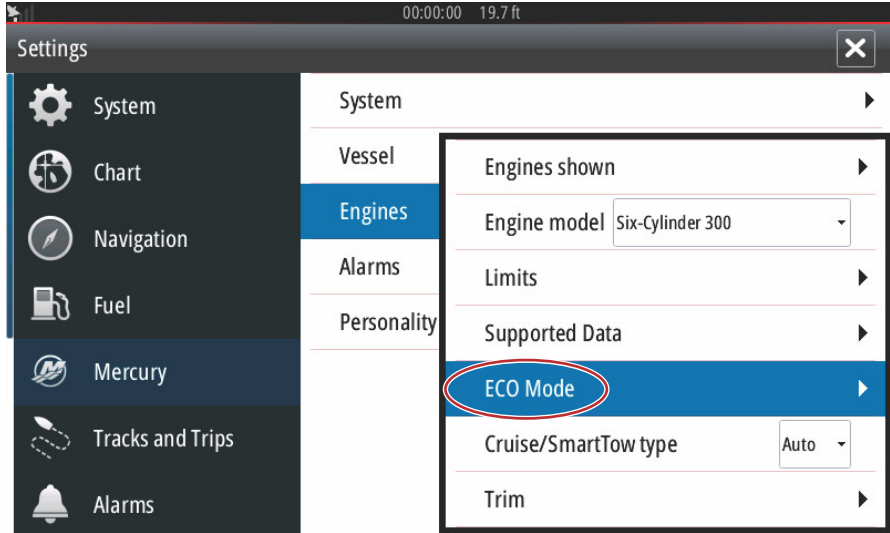


61706

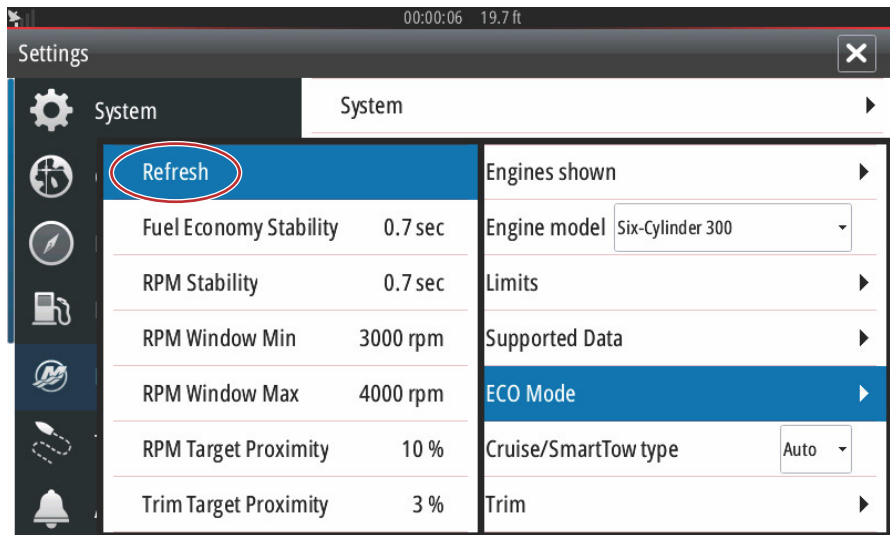
Selected data items shown circled

ECO Mode

The ECO Mode menu option shows the current operating parameters to keep the engine optimized for the best fuel efficiency. The operator can check these ECO parameters without being in the ECO Mode. Selecting Refresh will evaluate engine data and adjust the RPM recommendations as needed.



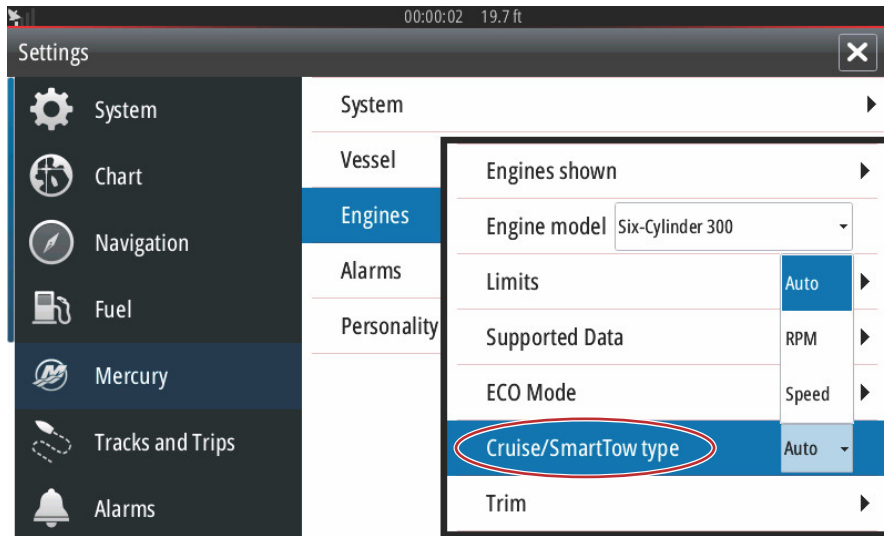
61707



61711

Cruise/Smart Tow Type

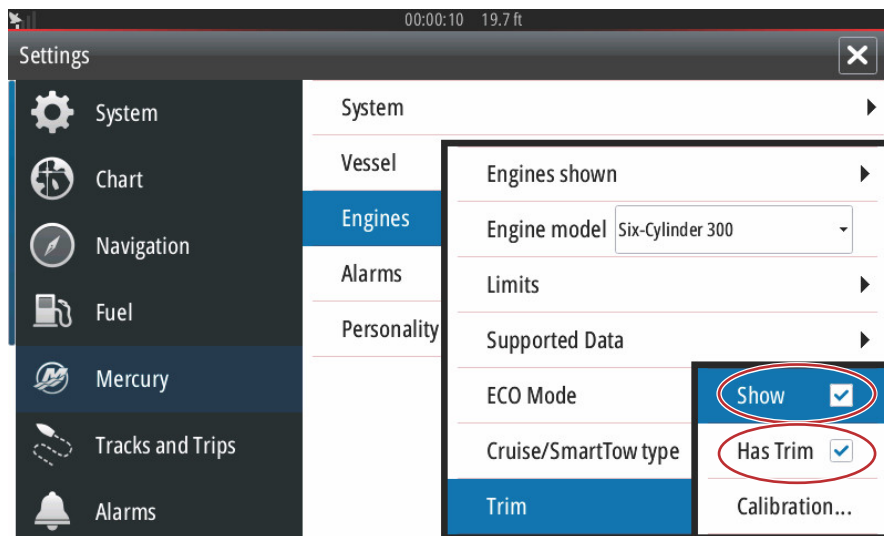
The Cruise/Smart Tow type setting allows the operator to select the sensor from which the Cruise autopilot program and the Smart Tow program launch profiles get their speed data. Engine RPM or GPS speed data are the options. Selecting Auto will make VesselView query the network for a source of speed based data and use that selection for the Cruise and Smart Tow features.



61712

Trim

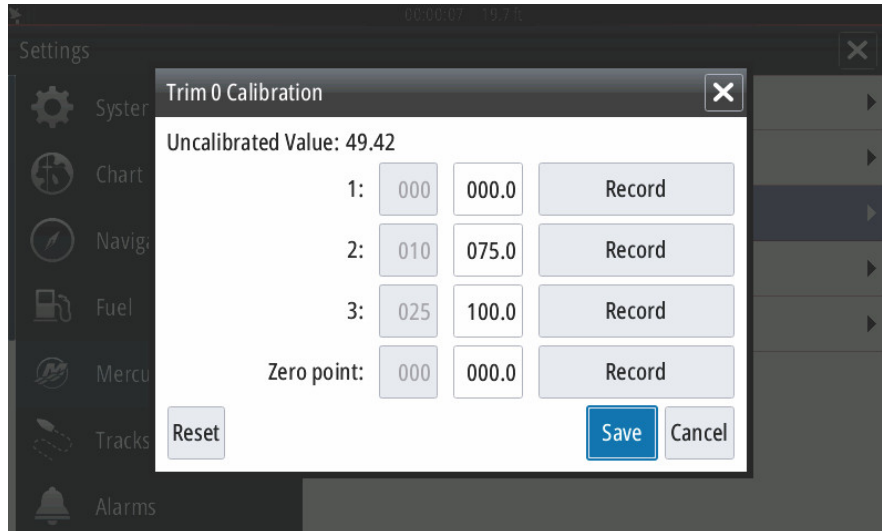
Trim settings allow the operator to enable the Show checkbox, to display the trim status graphic on the screen. The Has Trim checkbox must be checked in order for the ECO Mode to give guidance to the operator as to the proper trim position for achieving the best fuel economy.



61715

Trim calibration allows the operator to position the trim to the innermost and outermost positions and record the percentages. This is useful for determining the true 0° trim position—the point at which the trim is parallel with the bottom of the vessel. Correctly calibrated trim will show an accurate position of the sliders on the screen.

To calibrate the trim, trim the engines all the way in and record the reading—row 1, this will be the trim actual 0%. Trim the engines all the way out, record the reading—row 3, this will be the trim actual 100%. The Zero point is when the engines are positioned parallel with the bottom of the vessel, record that position. Select Save to keep the new trim calibrated data.

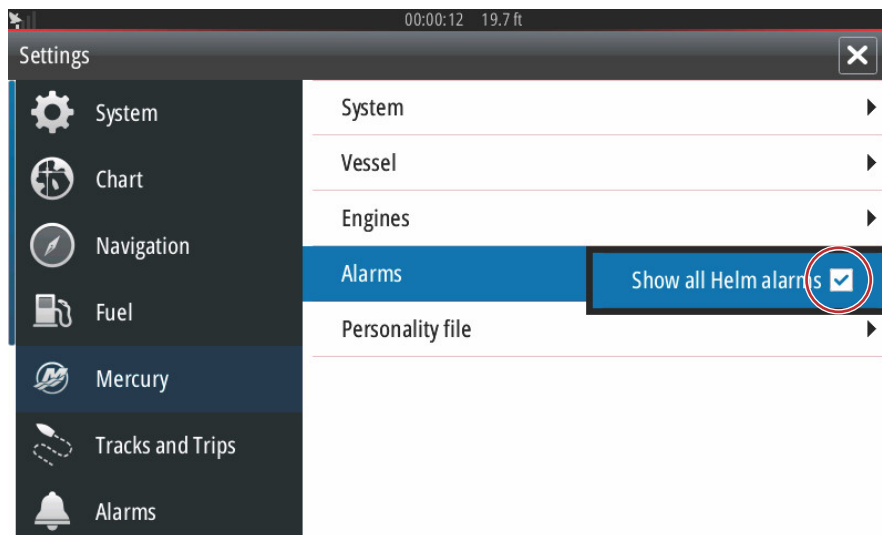


61716

Alarms

Alarms Setting

The Show all Helm alarms option can be checked to display all alarms on all VesselView screens. Unchecking the option will result in loss of notifications on additional VesselViews involving multiple device installations.

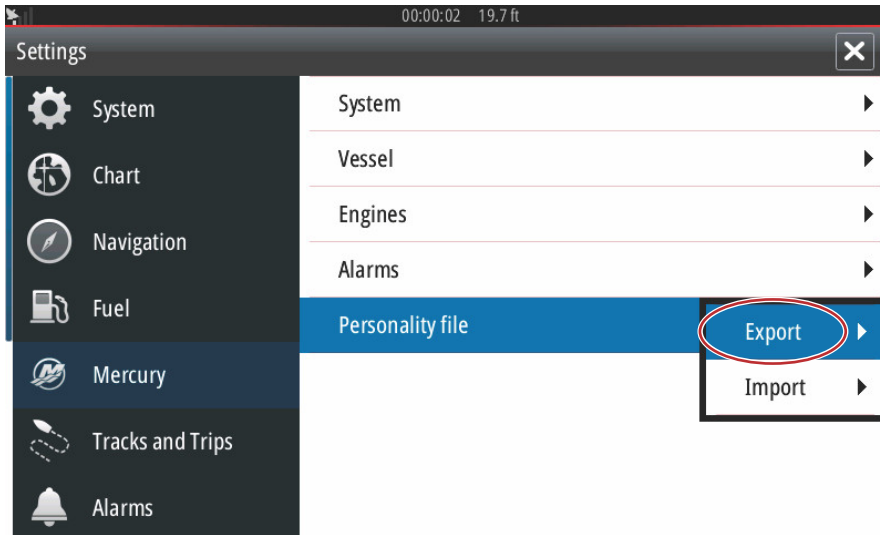


61718

Personality File

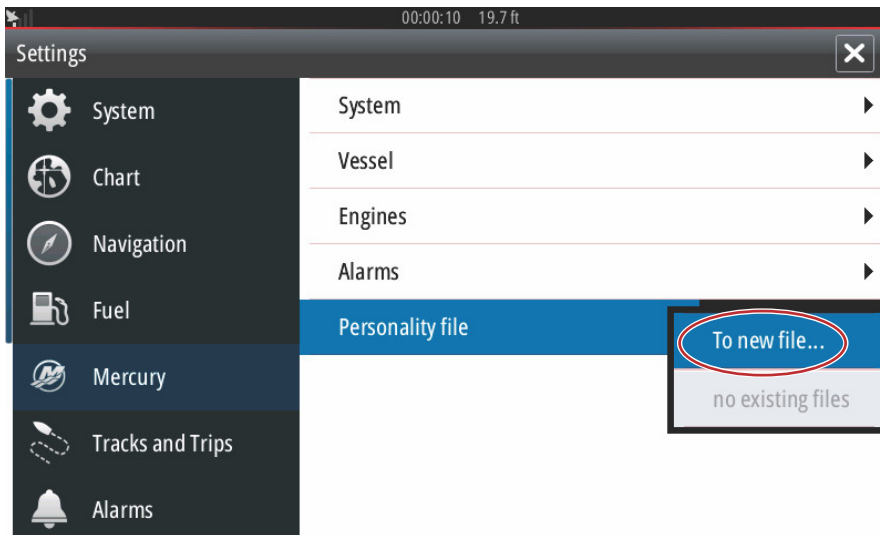
Export

A vessel Personality file is made up of all of the settings that have been made within a VesselView device. To export this personality, insert a SD card into the card port slot and select Export. Remove the SD card and transfer that file to another VesselView device using the Import option.



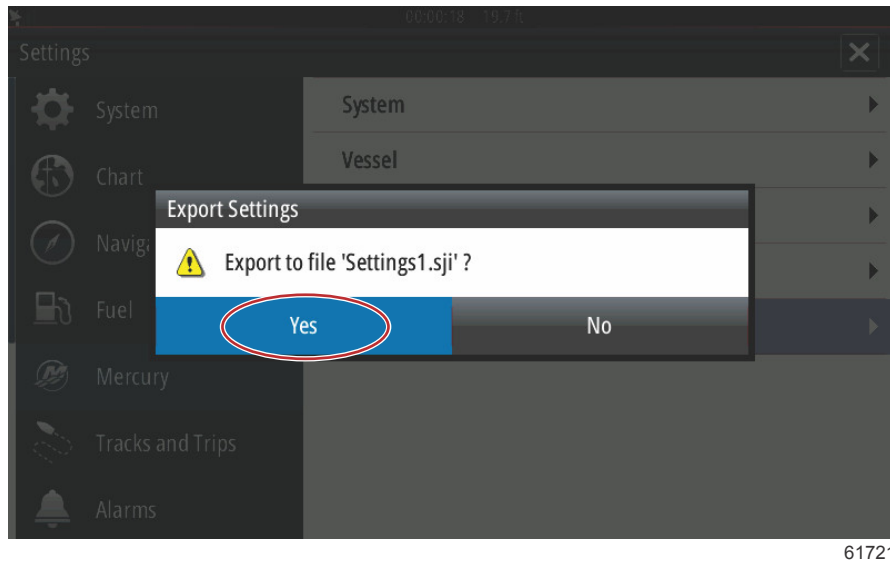
61719

Select Export



61720

Select To new file...



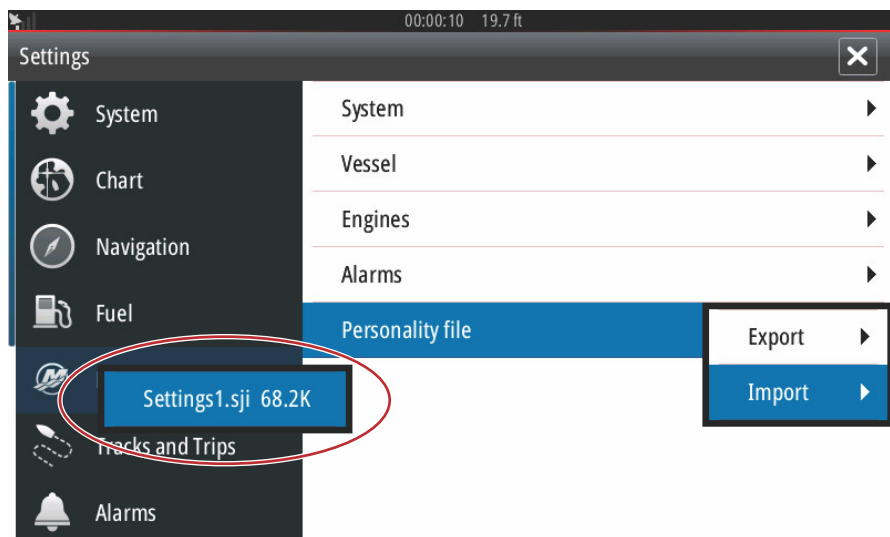
61721

Select Yes

The new Personality file will be written to the top level of the memory card. It will not be placed inside any folders on the SD card.

Import

To Import a Personality file, insert an SD card into the card port that has a VesselView written Personality file stored on it. Select Import. A list of detected files will appear on the screen. Select the file and begin the import.

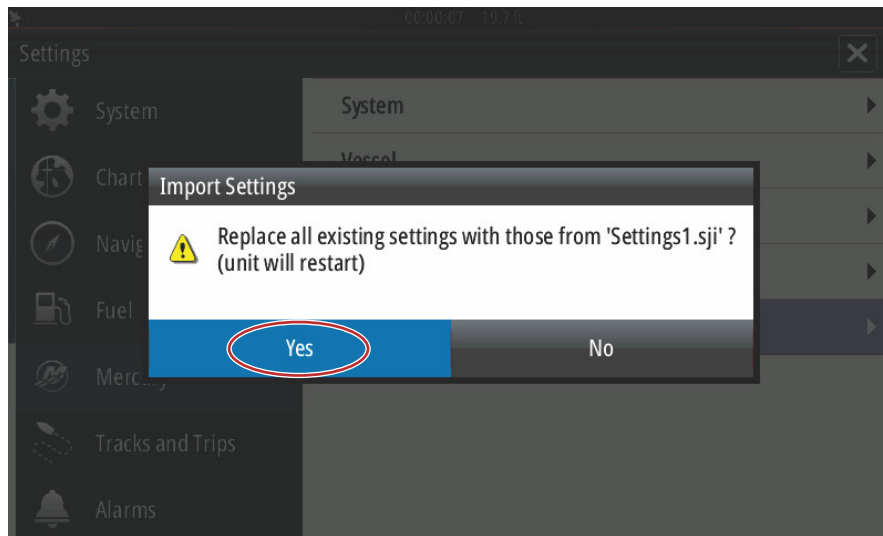


61722

Personality file

Section 4 - Setup and Calibrations

You will be prompted one more time to replace all existing settings. Select Yes. The VesselView will import the new Personality file and the unit will restart.



61723

Section 5 - Warning Alarms

Table of Contents

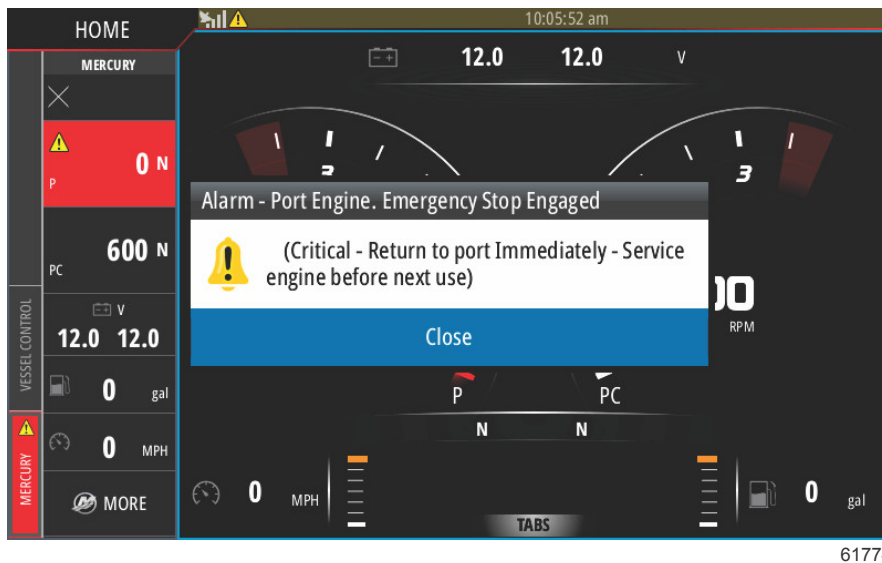
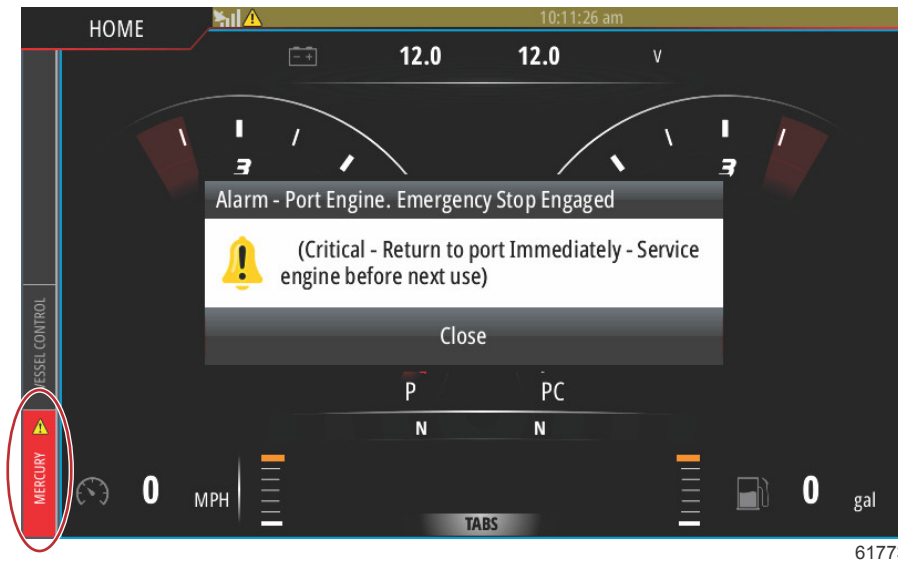
Warnings—Faults and Alarms.....	96	Shallow Water and Low Fuel Alarms	98
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Warnings—Faults and Alarms

All Mercury warnings, faults and alarms will be shown regardless of what screen is displayed at the time of the alarm. When an alarm is activated, the screen will display a window showing the alarm text and warning, along with a brief description of what action should be taken.

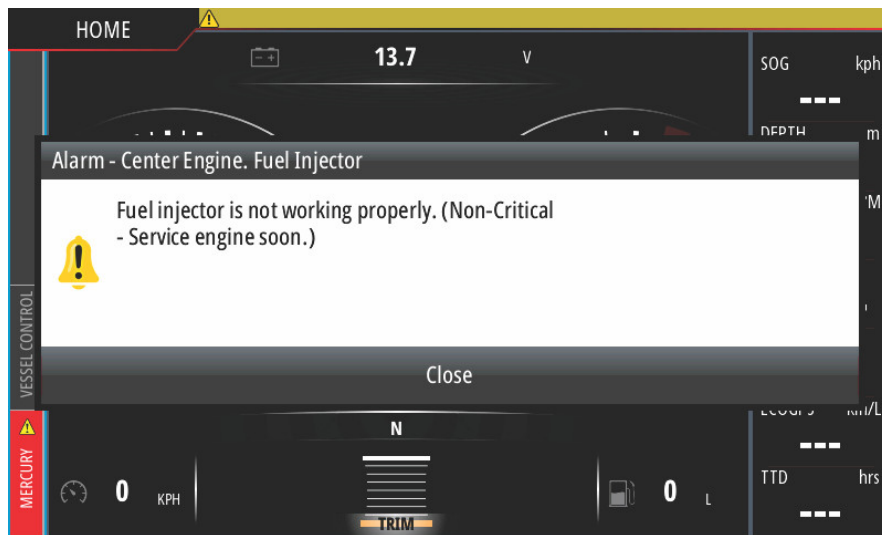
When an alarm fault is triggered, the Mercury tab on the left-hand side of the screen will display in red and contain the international warning symbol. When an alarm is activated, the screen will display a window showing the alarm text and warning, along with a brief description of what action should be taken.

The following images show the alarm window displayed in the center of the screen with the left-hand side bar in the closed and opened state.



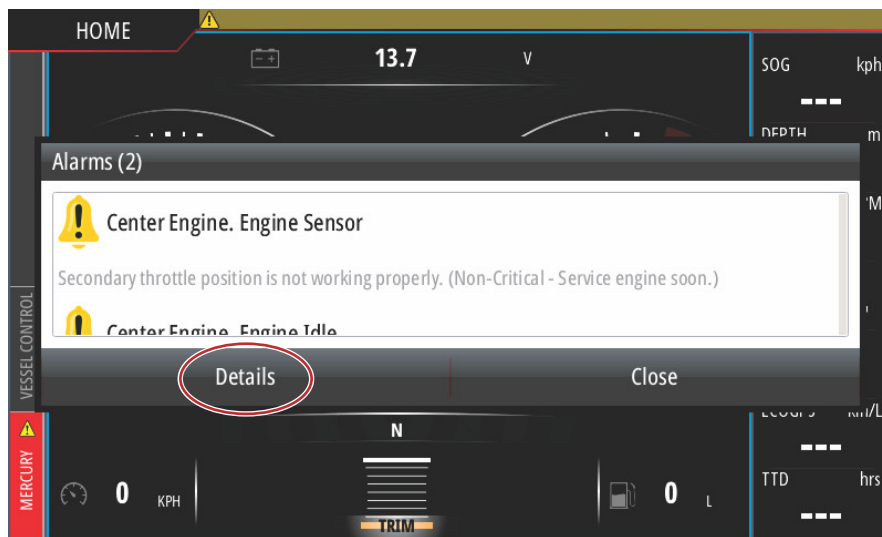
Critical alarms are usually accompanied with a response from the Mercury Engine Guardian System, which can include reduced power, reduced maximum RPM, or a forced idle condition. All critical faults give an audible notice to the operator. A critical fault will sound the warning horn for a continuous six seconds.

Noncritical alarms will display like critical alarms, but are accompanied by six short beeps from the warning horn.

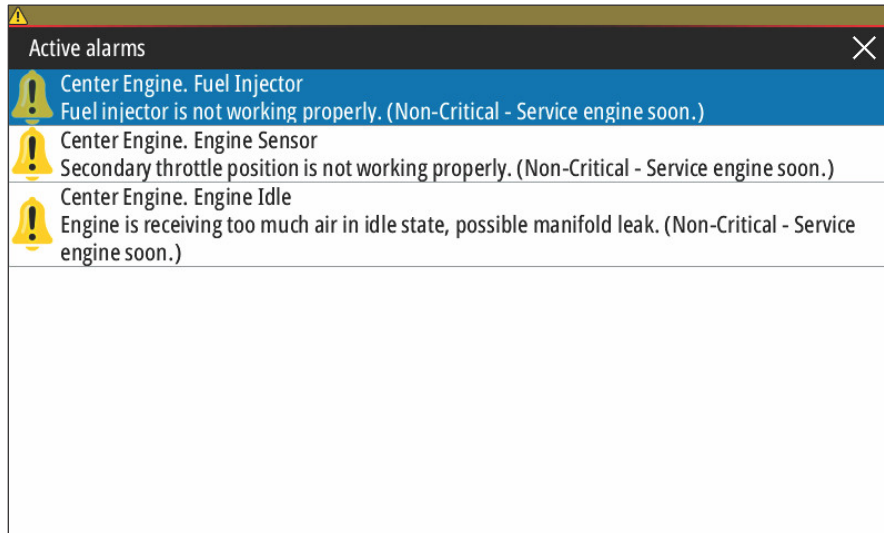


61545

Fault pop-ups allow the operator to get additional information regarding the individual faults. Select the Details option to view a more descriptive explanation of the fault.



61542



61548

To acknowledge the fault and return to the main VesselView screen, select the X in the upper right-hand corner of the Active alarms window, or select the Close option in the initial pop-up window.

Any active alarms and warning faults will remain accessible through the Mercury tab on the left-hand side of the screen.



61546

To clear an active fault have the faulty or failed part inspected, repaired or replaced and start-up the engines and VesselView and allow the unit to go through the system start-up scan. If the vessel passes the start-up scan the Mercury tab on the left-hand side of the screen will display in green. The alarm history can always be viewed by selecting the main menu screen, then choosing the Alarms option. Here, the fault history can be viewed.

Shallow Water and Low Fuel Alarms

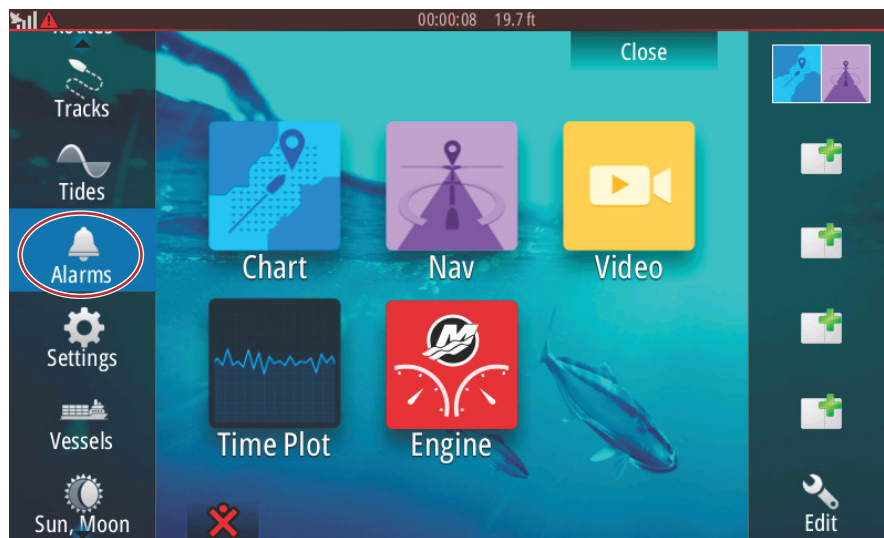
For noncritical faults such as Shallow water and Low Fuel, the six short beeps will sound and a pop-up will appear on-screen with a brief text description of the fault.

These types of faults will not turn the Mercury tab to red. Instead, the upper header bar will turn red and display the international warning symbol.



61778

To view the fault select the main menu screen, then choose the Alarms option. Here, the fault can be viewed, and the settings that raised the fault can be changed.



61781

Section 5 - Warning Alarms

00:00:06 19.7 ft

Alarms ✕

Active **History** Settings

No GPS fix cleared	00:01 06/02/2014
Shallow water raised	00:00 06/02/2014
Shallow water cleared	00:00 06/02/2014
No GPS fix raised	00:00 06/02/2014

Clear all

61779

00:00:16 19.7 ft

Alarms ✕

Active History **Settings**

No GPS fix	<input checked="" type="checkbox"/>	
Shallow water	<input checked="" type="checkbox"/>	6.0 (ft)
Deep water	<input type="checkbox"/>	100.0 (ft)
Water temp rate	<input type="checkbox"/>	9 (°F/min)
Anchor	<input type="checkbox"/>	164 (ft)
Anchor depth	<input type="checkbox"/>	
Low boat speed	<input type="checkbox"/>	6 (mph)

61780