

RegalVue



Owner's Manual

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Product Information

RegalVue is a touch screen display solution. It is designed for instrumentation on electronically controlled engines communicating via SAE J1939 and NMEA 2000. The display is a multi-functional tool that provides GPS tracking, multimedia display, speed control and rider profiles. In addition, the display enables equipment operators to view many different engine parameters and service codes.



Care and Maintenance

General maintenance is not required; however, a soft cloth can be used for cleaning the units. Window cleaner or alcohol can also be used to clean the glass portion of the display. Do not use harsh or abrasive cleaners on the unit.

Basic Navigation Features

All product features are easily accessed through Quick Access Keys, Touch Menus and Touch Screen commands.

Quick Access Keys

These controls are accessed via the Quick Access Keys: stereo, video, diagnostic messages, settings, maps, speed control, engine statistics and Home.



Touch Point Commands


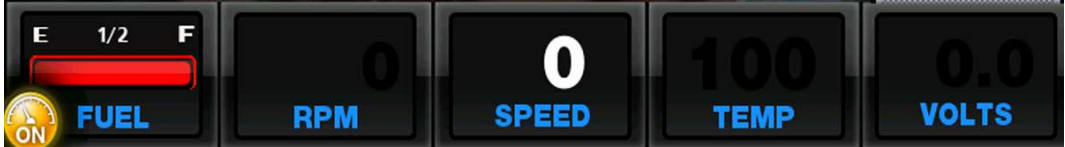












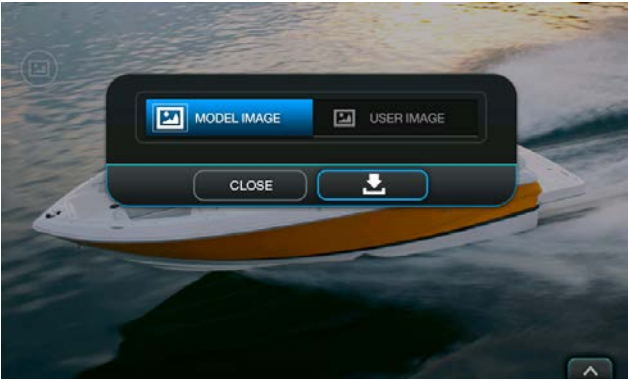
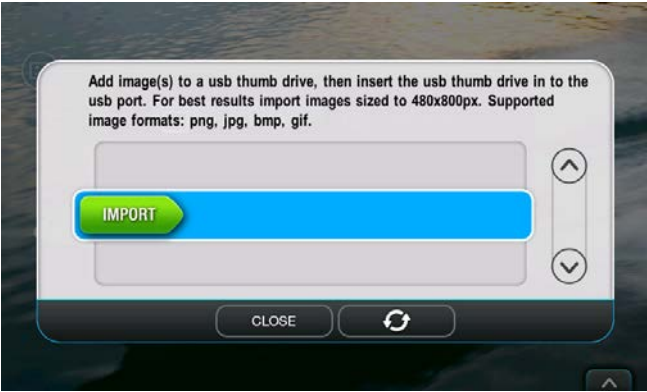
Touch key commands provide additional features and navigation shortcuts. Depending on the current screen being displayed, they may appear as icons or a vertical control bar. Touch key commands are used throughout the RegalVue display to:

- Access features
- Edit settings
- Navigate to deeper levels
- Navigate the screen

NOTE: Touch points are defined by words or graphics that are highlighted with a soft glow.

Touch Screen Navigation


Widget	Description
	<p>DATA BAR ON – Touch this to display the engine status at the bottom of the screen. The data bar provides the following information:</p> <ul style="list-style-type: none"> • Fuel Level • Oil Pressure • RPM • Speed • Engine Temperature • Voltage  <p>NOTE: To change the selection of each pane, touch and hold that pane until a list appears with the available choices. Select the alternate setting.</p>
	<p>DATA BAR OFF – Touch this to remove the data bar from the bottom of screen.</p>
	<p>DECREASES VALUE – Touch this to decrease the value in the selected field.</p>
	<p>INCREASES VALUE – Touch this to increase the value in the selected field.</p>
	<p>DONE – Touch this to save updated settings and exit the screen.</p>
	<p>CANCEL – Touch this to leave the screen without accepting any changes.</p>
	<p>CONTINUE – Touch this to move to the next page of settings if applicable.</p>

Widget	Description
	<p>BACK – Touch this to move to the previous screen. The changes will be saved.</p>
 	<p>ZERO OFF – Touch this to turn ZERO OFF on or off. This function is found in the upper middle of every page of the display (except the Main Menu).</p> <p>NOTE: When cruise is turned OFF, the driver must pull the throttle back slightly. This shows throttle authority. It must be done in order for the system to release the cruise set point and return to speeds not governed by the Zero Off commanded speed.</p>
	<p>SCREEN IMAGE EDITOR – Touch this area of the screen to change the screen image. The following screen will appear:</p>  <p>Model Image – can be changed per the boat that is selected in Dealer Settings. User Image – Touch User Image and then the download button. The following screen will appear:</p>  <p>Follow the instructions to upload a saved image from a USB drive.</p>

Quick Access Key Features

This section describes the features accessed through the Quick Access Keys located to the left and right of the display.


Stereo Feature









Stereo Display can be accessed by pressing the Quick Access Key 



This feature provides universal control to the stereo mimicking all the controls of a standard remote control. This includes iPod and Thumb Drive music.



Stereo - Touch Commands

Touch Command	Description
	<p>SOURCE – Touch this to select a connected source. RegalVue supports the following devices:</p> <ul style="list-style-type: none"> • FM radio • AM radio • Sat • iPod • DVD • VHF <p>Touching and holding [SOURCE] will turn the device On or Off.</p>

Touch Command	Description
	<p>iPod MENU – Touch this button to display the iPod menu, as shown below:</p>  <p>Utilize the Up and Down arrows, then touch Select when the appropriate choice is displayed.</p>
	<p>VOLUME – Touch this button to lower the volume.</p>
	<p>VOLUME – Touch this button to raise the volume.</p>
	<p>VOLUME – Touch this button to mute the volume.</p>
	<p>PREV TRACK – Plays the previous track current CD.</p>
	<p>NEXT TRACK – Plays the next track of the current CD.</p>
	<p>PLAY/PAUSE – Toggles between Play and Pause modes when a CD is playing.</p>

Touch Command	Description
	REWIND - Touch this button to rewind the current selection.
	FAST FORWARD - Touch this button to fast forward the current selection.

Regal F700 Stereo AUX Home Screen



To access the Regal F700 Stereo Settings, press



Utilize the + and – keys to adjust the appropriate settings.

Regal F700 Stereo iPod Screen



Regal F700 Stereo FM Screen






Video Feature

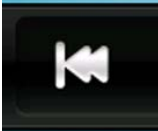
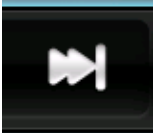
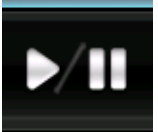

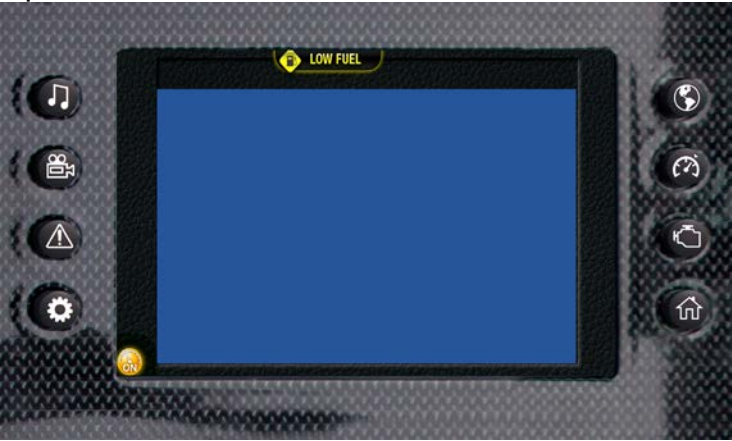
Video can be accessed by pressing the Quick Access Key 

This feature provides the ability to play the DVD player or a connected video camera or other device.




Video Feature - Touch Commands


Touch Command	Description
	<p>DVD – Touch this to use the DVD player. The following screen is displayed:</p> 
	<p>VOLUME - / + -- Touch the - to lower the volume and + to raise the volume.</p>

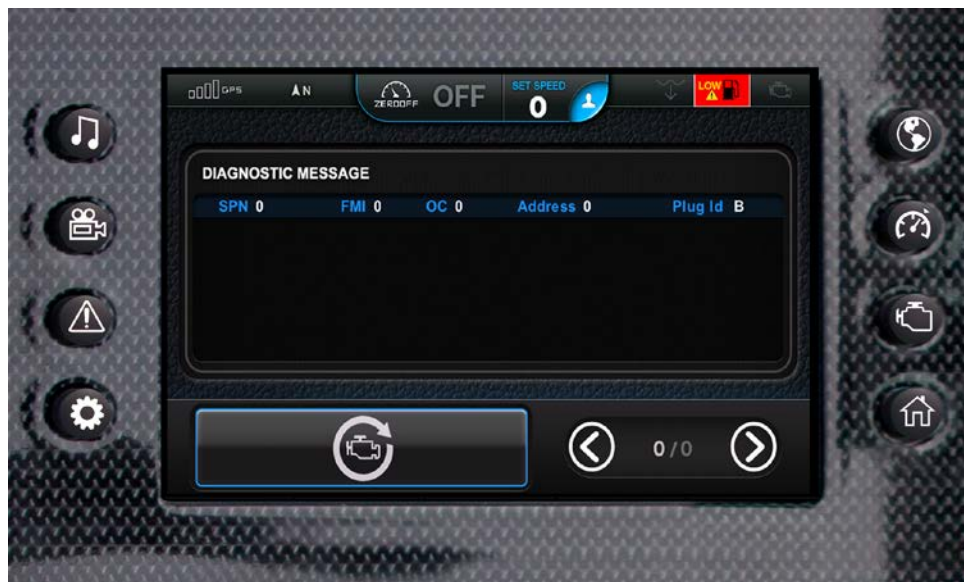
Touch Command	Description
	<p>PREV TRACK/CHAPTER – plays the previous track or chapter in the current DVD.</p>
	<p>NEXT TRACK/CHAPTER – plays the next track or chapter of the current DVD.</p>
	<p>PLAY/PAUSE – toggles between Play and Pause modes when a DVD is playing.</p>
	<p>VIDEO 1 – Touch this to play a video device connected to the auxiliary input.</p>  <p>NOTE: There are no controls associated with this screen. Use the connected device to control the video.</p>

Diagnostic Message Feature


Press the  button to access the diagnostic messages. This feature provides a view into the engine behavior. If there is a fault, it will be displayed on this screen with a description of the fault and corrective action to take. In addition, this screen provides the:

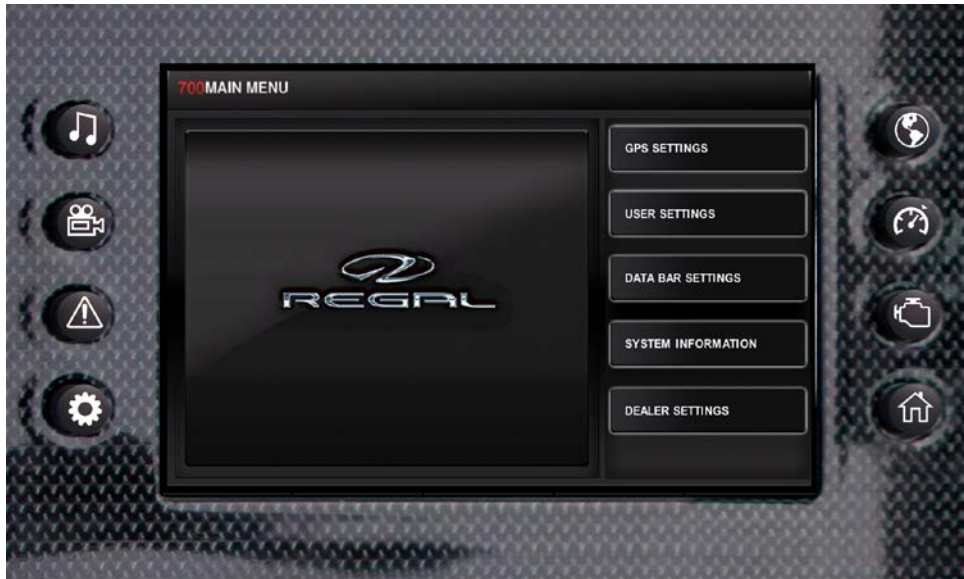
- **SPN** –Suspect Parameter Number - fault code
If not translated into text by the display, see the engine manufacturer's literature for the definition of the SPN number.
- **FMI** – Failure Mode Indicator - fault code
The FMI is defined by SAE J1939. If not translated into text, see the SAE standard or the engine manufacturer's literature.
- **OC** – the number of times the event has been flagged
- **Address** – the source address of the device sending out the diagnostic message
- **Plug ID** – the physical plug identification of the message

Touch  to retrieve diagnostic messages. Use the Left and Right arrows to scroll through the messages that appear.



Main Menu

When the settings key  is pressed, the Main Menu is displayed. From the Touch Menu on the right of the screen, specific settings can be selected using the touch keys. Touch key areas are indicated by a soft glow highlight.



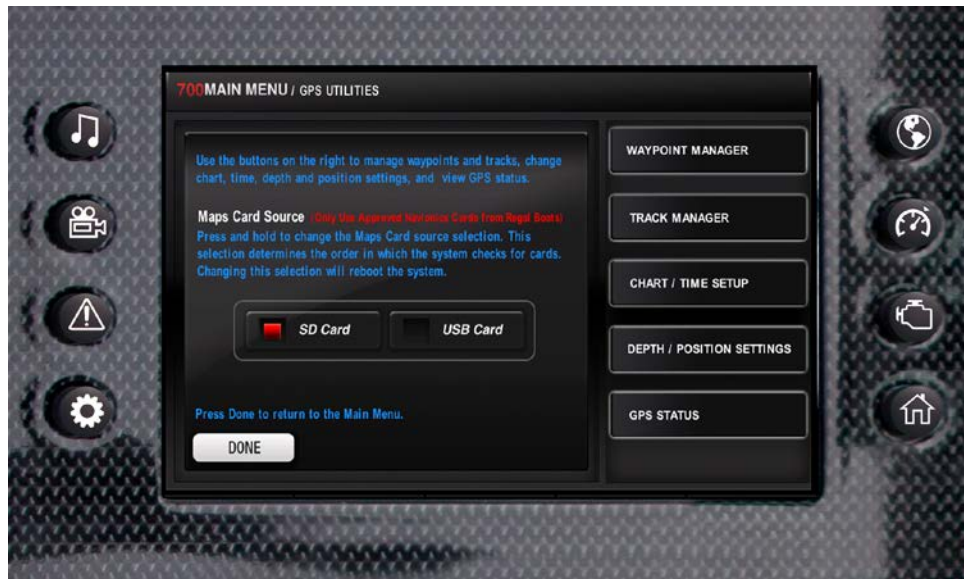
The following settings are available:

- GPS Settings – Included in this area are:
 - Waypoint Manager
 - Track Manager
 - Chart/Time Setup
 - Depth/Position Settings
 - GPS Status
- User Settings
- Data Bar Settings
- System Information
- Dealer Settings

GPS Settings

The GPS Settings includes:

- Waypoint Manager
- Track Manager
- Chart and Time Setup
- Depth and Position Settings
- GPS Status



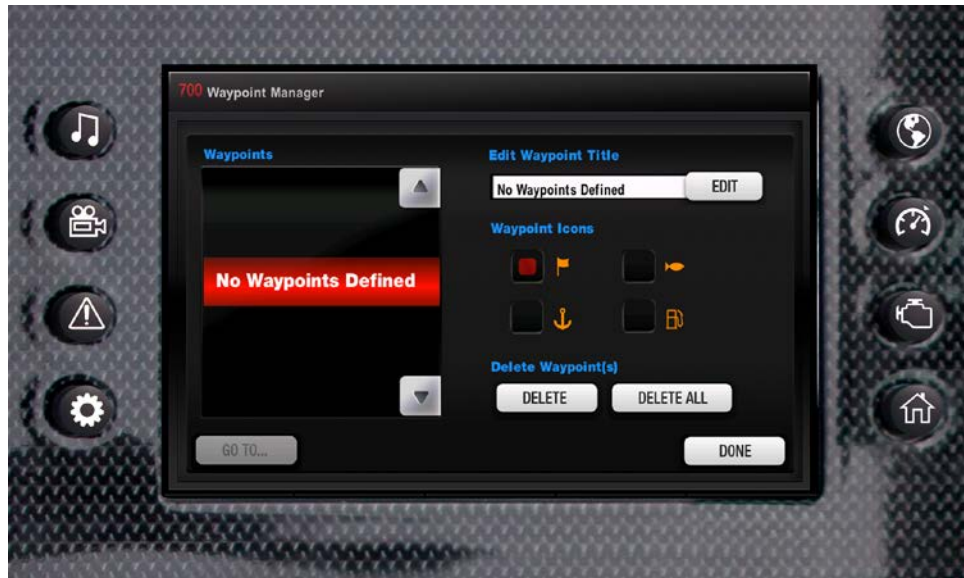
Maps Card Source

To change the Maps Card Source, press and hold the appropriate source (SD Card or USB Card). This selection determines the order in which the system checks for cards. Changing the source will cause the system to reboot.

NOTE: Only use approved Navionics cards from Regal Boats.

Waypoint Manager

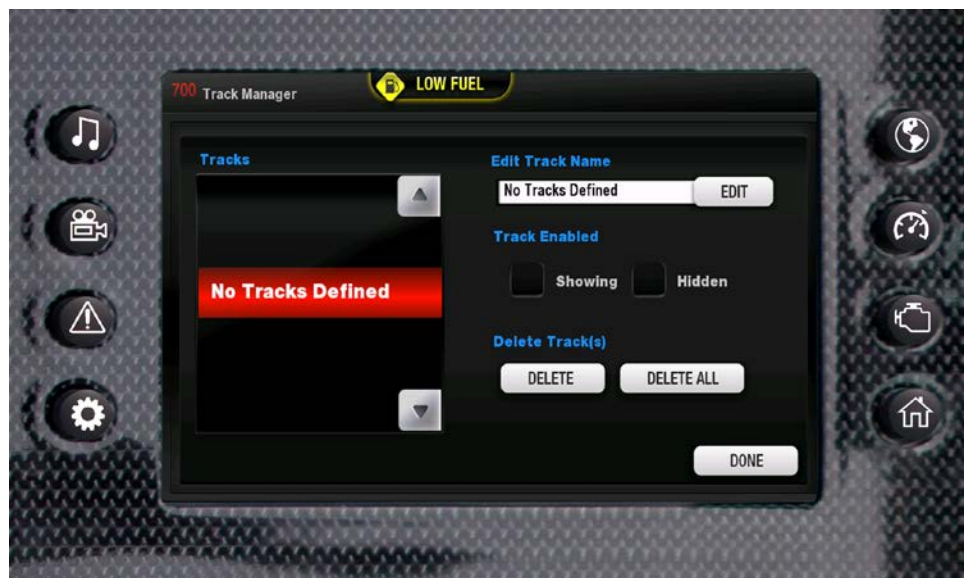
Waypoints allow you to mark specific locations by latitude and longitude. Once the waypoints are established, the Waypoint Manager allows you to associate an icon with them for identification. You can delete a single waypoint by using the **DELETE** key or all of them at once with **DELETE ALL**. Pressing the **GO TO ...** key displays the GPS screen containing the currently highlighted waypoint.



- **Waypoint List** – displays a list of the waypoints that have been set. Use the **UP** and **DOWN** keys to highlight the desired waypoint.
- **Waypoint Icon** – allows you to assign one of four different icons to any of the waypoints listed.

Track Manager

Multiple tracks for displaying on the GPS map can be set up. The Track Manager allows you to select tracks to show on the map or 'hide' a map not currently used. You can **DELETE** one track or **DELETE ALL** at the same time.



Touch [**DONE**] when finished.

Chart and Time Setup

This menu option allows you to set up viewing options for the GPS Display.

Chart Setup Parameters – touch to select the information you want displayed on the GPS screen.

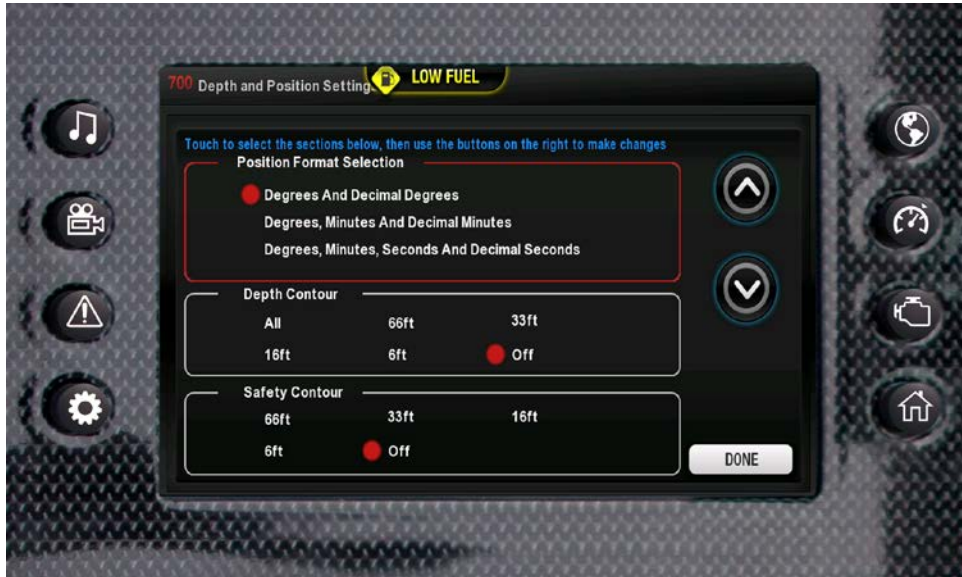
Time Setup Parameters – used to select correct time zone and clock mode for either 12-hour or 24-hour time formats. You can also enable DST (Daylight Saving Time) by touching that box. Set the GMT Offset time (in hours) by repeatedly touching that selection until the appropriate number is shown.



Touch [**DONE**] when finished.

Depth and Position Settings

This feature allows you to define the amount of detail to display for longitude and latitude information on the GPS map and depth display.



Touch **[DONE]** when finished.

GPS Status

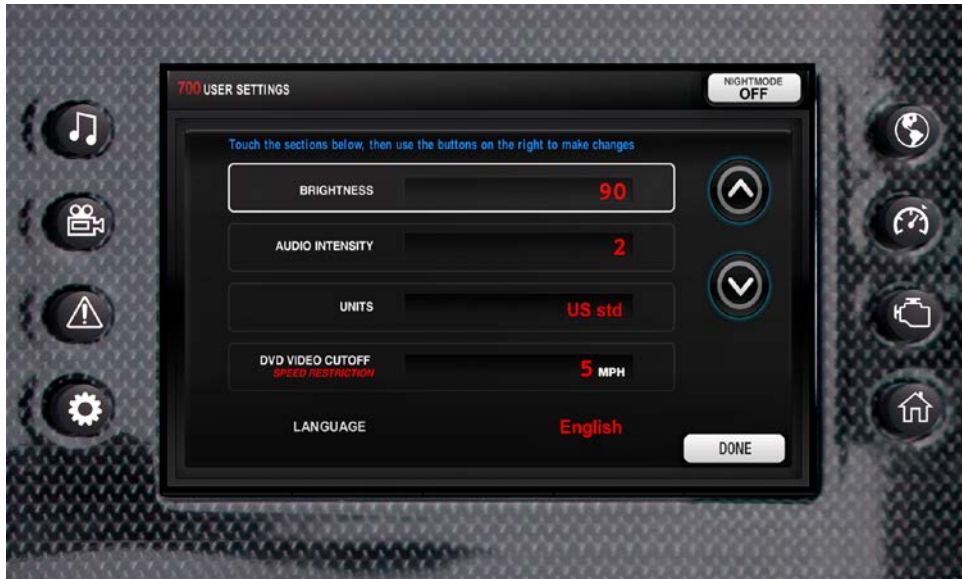
Shows the location of the discoverable satellites.



Touch **[DONE]** when finished.

User Settings

User Settings provide options to specify viewing preferences. Pressing **PREV** and **NEXT** navigates through the options, and **UP** and **DOWN** scrolls through the selections for each option.



Touch Commands for User Settings include:

Up Arrow or Down Arrow – increases or decreases values within a field

DONE – saves the current values and exits

Brightness

You can set the brightness control by using the **UP** and **DOWN** soft keys to change the settings in 5 percent increments until the desired brightness is achieved. Touching NightMode OFF automatically sets the brightness for viewing the screen at night.

Audio Intensity

The Audio Intensity feature allows you to set values to automatically increase or decrease the audio volume according to what speed you are traveling.

DVD Video Cutoff

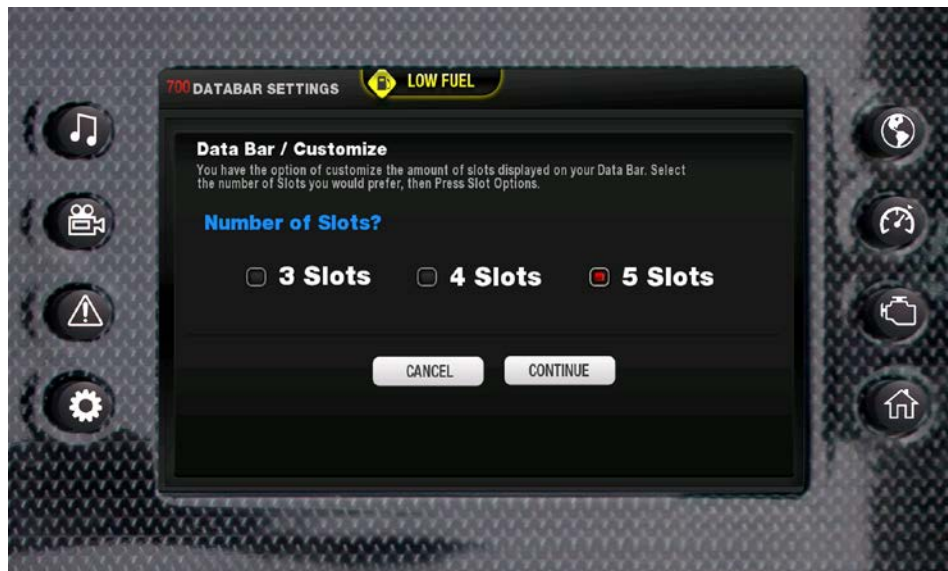
This is a speed restriction setting. This shuts off the DVD/Video when the boat reaches a predetermined speed. This can be disabled or set to a speed from between 5 to 45 mph in five mile per hour increments.

Language

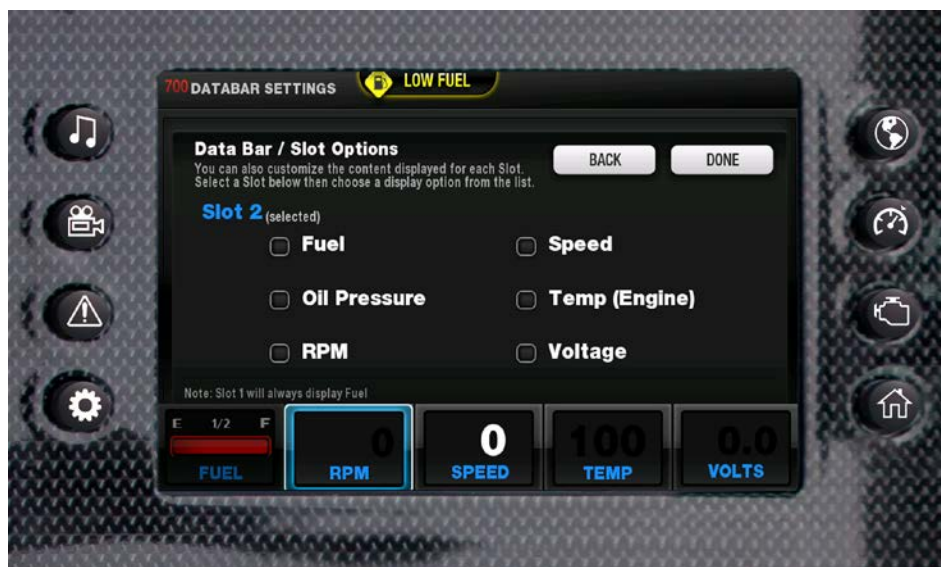
Select between English, Spanish, German, French European and French Canadian.

Data Bar Settings

The Data Bar is a pop-up that shows and edits some of the engine statistics at a glance. It can be shown at the bottom of most screens or hidden from view. Select the number of desired slots to be displayed (3, 4 or 5) on the first screen shown below and touch Continue:



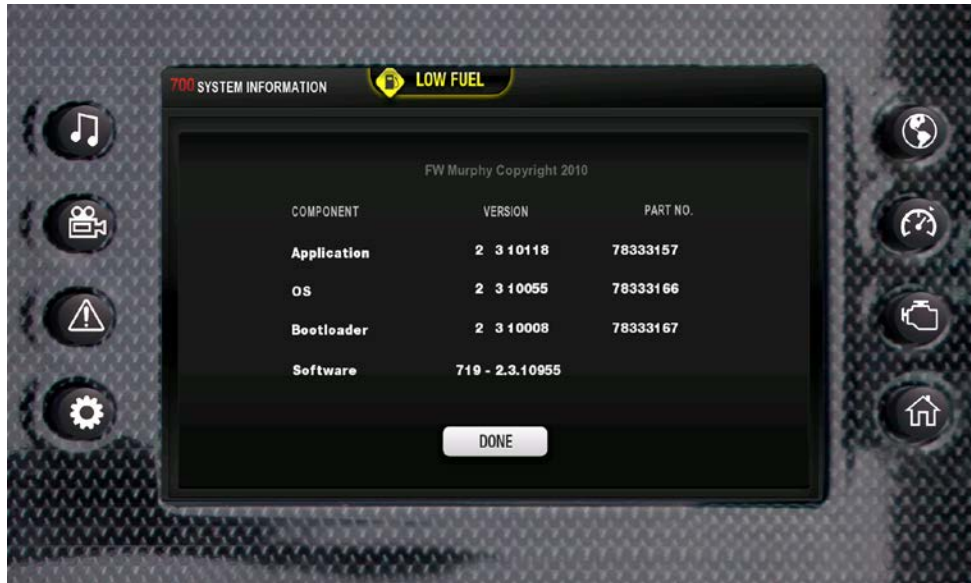
After the number of slots is selected, choose the statistics to be displayed and the order in which they are to be displayed on the second screen:



Touch [DONE] when finished, and the data bar will have the appearance chosen.

NOTE: The fuel level indicator is always displayed and always displayed first.

System Information

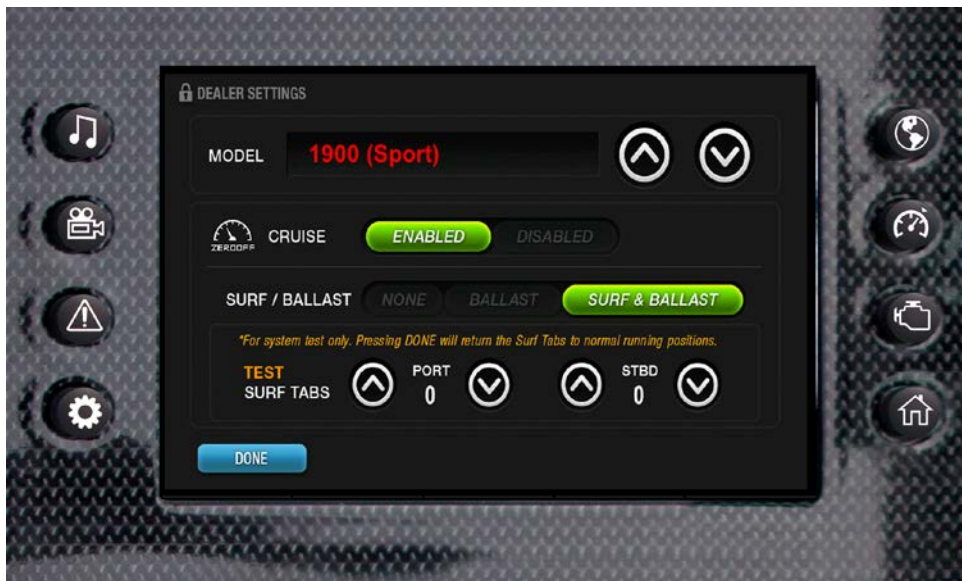
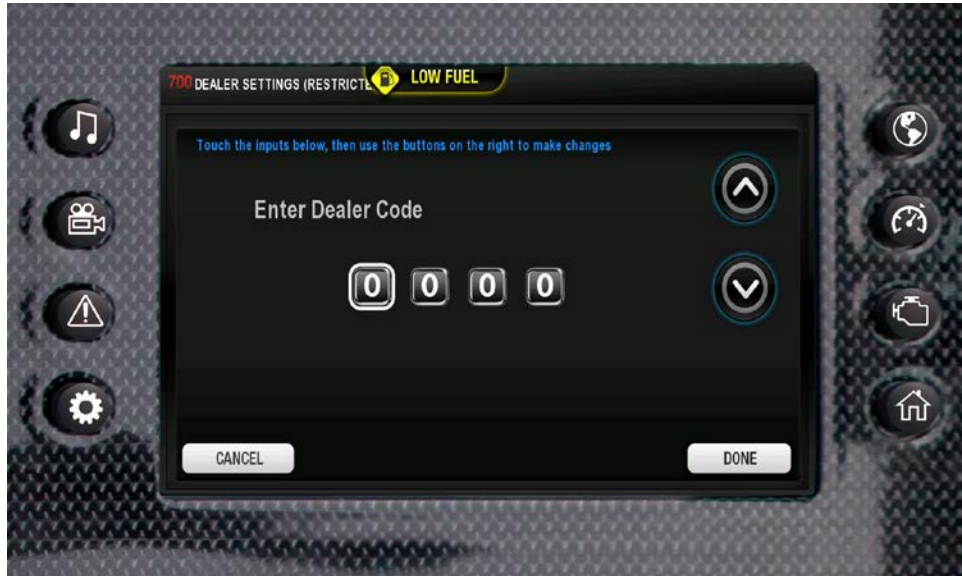


Component	Version	Part No.
Application	The version number of the application installed on the hardware	The part number for the application
OS	The version number of the operating system installed on the hardware	The part number for the operating system
Bootloader	The version number for the bootloader	The part number for the bootloader
Software	The version of configuration software loaded on the machine	N/A

Dealer Settings

This is a secured area where dealers can prepare settings for particular boat models.


NOTE: A dealer code must be entered before the dealer settings can be accessed.



Use the UP and DOWN arrows to scroll through the boat models.





The ZeroOff Cruise Control can be ENABLED or DISABLED. Touch the appropriate choice. For Surf/Ballast options, touch NONE, BALLAST or SURF & BALLAST. Surf & Ballast will display settings to test the amount of ballast needed for port and starboard. Pressing DONE will return the Surf Tabs to a normal running position.


GPS Feature

The Maps feature is accessed by pressing . The Maps feature displays map data, latitude and longitude coordinates, time and speed.



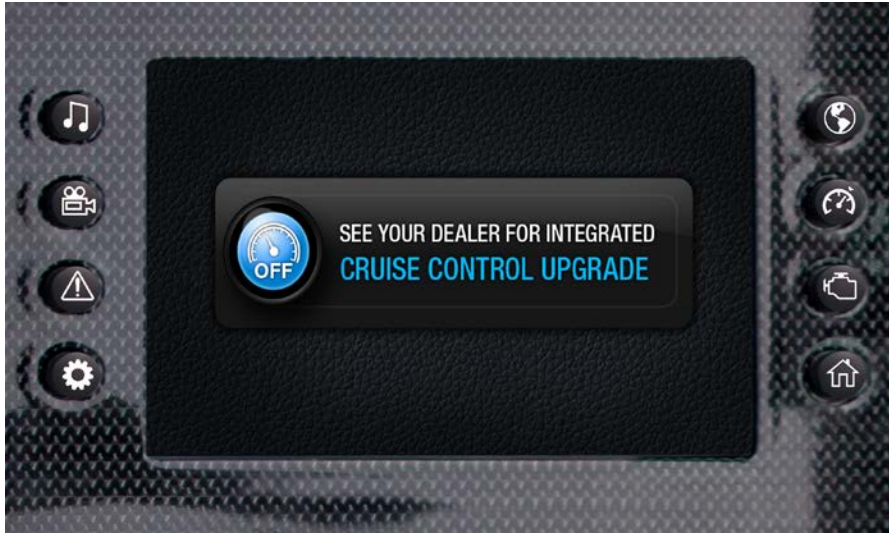
GPS Display - Soft Key Commands

Screen Element	Description
	ZOOM IN – Touch this to zoom in on the location of the cursor.
	ZOOM OUT – Touch this to zoom out on the location of the cursor.
	LEFT ARROW – Touch this to move the cursor to the left on the map.
	RIGHT ARROW – Touch this to move the cursor to the right on the map.


Screen Element	Description
	UP ARROW – Touch this to move the cursor up on the map.
	DOWN ARROW – Touch this to move the cursor down on the map.
	MAP MENU – Touch this to access the Map Menu or to hide it.
	CURRENT POSITION – Used to return to the current boat/satellite position after having moved the cursor to another location.
	CREATE WAYPOINT – Places a marker or waypoint on the map to mark a favorite location after displaying a keyboard to name the waypoint.
	CLEAR TRACK – Displays the following confirmation message before deleting the current track information.
	SAVE TRACK – Displays the following confirmation message before saving the current track information.
	NORTH UP – Displays the map as having North at the top.
	COURSE UP – Displays the map as having the direction you are heading at the top.
	DAYLIGHT SETTING – Displays the map in colors easily viewed in daylight.
	NIGHT SETTING – Displays the map in colors easily viewed at night.

Profiles Feature

This feature is only available for boats equipped with Zero Off speed control. See dealer for upgrade.



NOTE: the above screen displays if this boat is not equipped with Zero Off.

Rider profiles can be accessed by pressing the Quick Access Key . The following screen will display when outside of the speed range of 3-14:



The surf direction functionality will only be enabled when the boat speed is actually between 3 and 14, shown below.



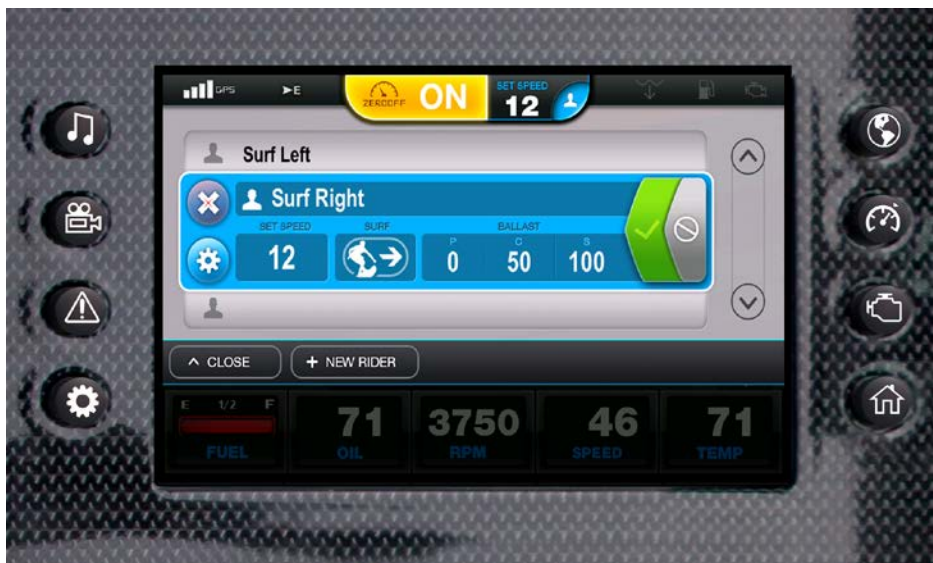
Create the individual Ballast settings for each profile by touching Fill All, Drain All or the Up/Dn arrows under each ballast (Port, Center, Starboard).

When the boat speed is over 3 or under 14, select the appropriate Surf setting (Left, Right or None).

Adjust the Zero Off Set Speed by utilizing the Up/Dn arrows on the right side of the screen.


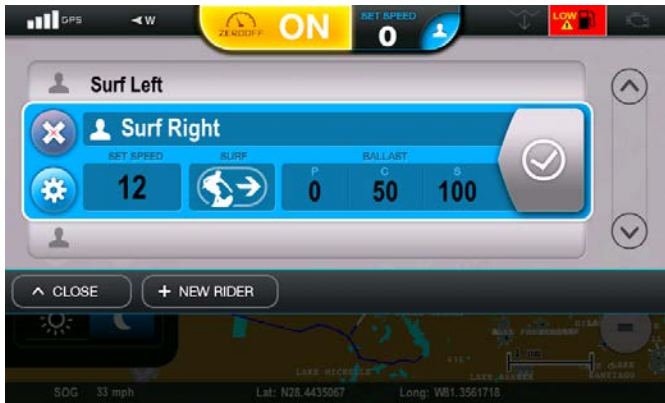



To change the current profile, touch , and the following screen will display:




New Rider Profile

Function	Description
	<p>To create a new profile touch [+ NEW RIDER]. The following screen will be displayed:</p>  <p>Touch the pencil icon in the upper left and type a name for the new rider. Utilize the up and down arrows to set the Speed and Port, Center and Starboard ballasts. Touch the appropriate Surf icon (No Surf, Surf Left or Surf Right). Touch SAVE when complete.</p>
	<p>ACTIVATE/DEACTIVATE RIDER– Touch the gray checkmark to make the selected rider Active. Touch the green checkmark to Deactivate the selected rider.</p>
	<p>DELETE RIDER PROFILE – Touch this to delete the selected rider profile. The following screen will display:</p>  <p>Touch [YES] to continue the deletion process. The profile is removed from the selection list. Touch [CANCEL] to return to the selection screen without deleting the profile.</p>

Function	Description
	<p>RIDER SETTINGS – Displays the Rider Settings screen, shown below:</p> 
	<p>PROFILE SELECTORS – Scrolls through the available profiles.</p>

Engine Statistics

The engine statistics can be accessed by pressing the Quick Access Key .



This feature is a display-only summary of the engine statistics featuring:

- Engine Temperature
- Oil Level
- Fuel Level
- Speed
- Engine RPMs
- Trim Tabs
- Battery Charge

Troubleshooting

General Troubleshooting Guide

Display appears not to work or doesn't come ON.

1. Display could be in *sleep* mode. Touch a key on the keypad to activate the display.
2. Check for loose connections at battery and display unit.
3. Check for reversed polarity on the power connections.
4. Verify battery has a minimum voltage of 6 volts.

Display resets or goes OFF when starting engine.

1. Check display supply wires are connected properly to battery.
2. Verify battery is charged properly.
3. Check battery for efficient starter current.

Display has no backlight.

Contact your Regal service center.

Display has no keypad backlight.

Contact your Regal service center.