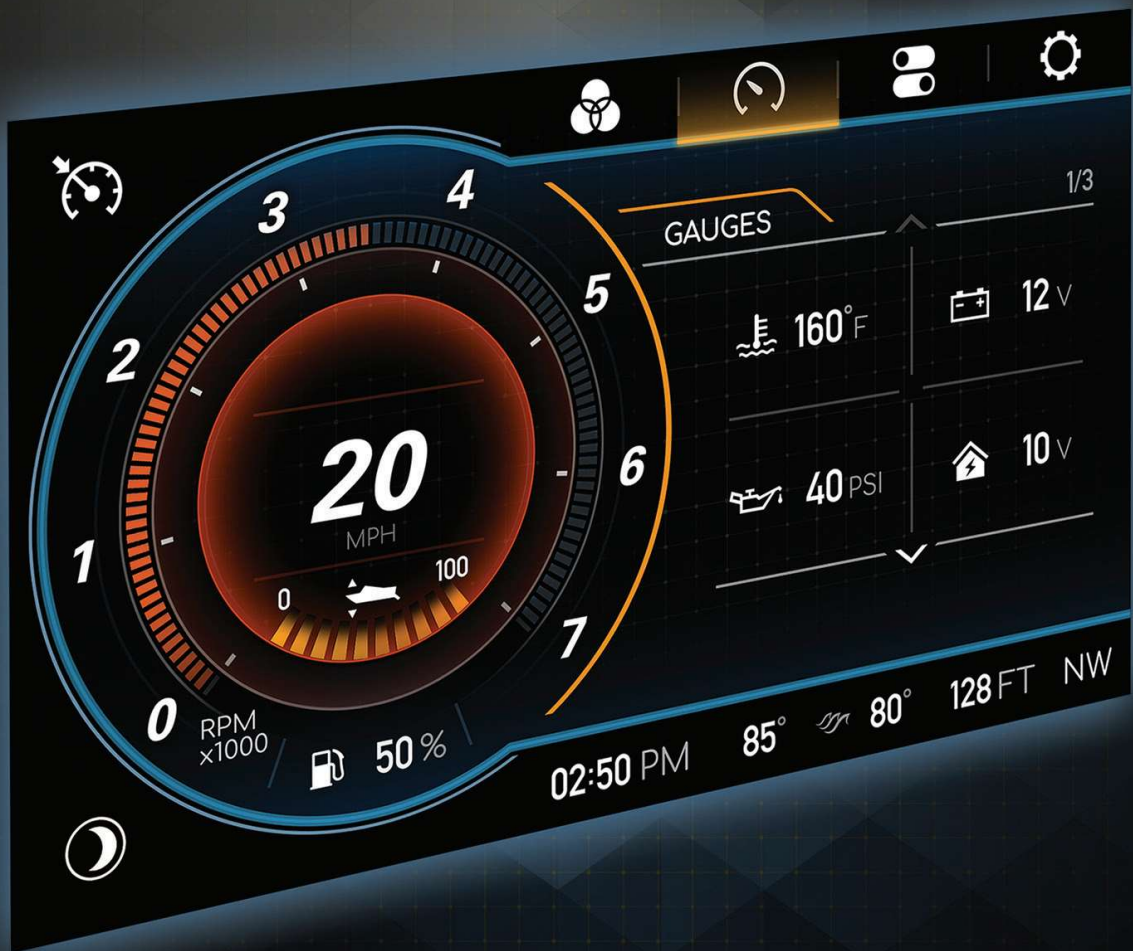


Avalon



2021
SMART 80 SYSTEM

TABLE OF CONTENTS

SYSTEM OVERVIEW	PG 4
WARNINGS / ALERTS	PG 5
OPTIONAL SPEED CONTROL (MERCURY ONLY)	PG 6
OPTIONAL LAUNCH PROFILE (MERCURY ONLY)	PG 7
OPTIONAL RGB LIGHTING CONTROL	PG 8
OPTIONAL LIGHTING CUSTOMIZATION	PG 9
GAUGE SCREEN	PG 10
SERVICE RESET	PG 11
OPTIONAL METRIC UNITS	PG 12
OPTIONAL TWIN ENGINE	PG 13
CONTROLS SCREEN	PG 14
SETTINGS SCREENS	PG 15
SYSTEM	PG 16
SOFTWARE UPDATE	PG 17
BACKLIGHTING	PG 18
FACTORY RESET	PG 18
CONFIGURATION	PG 19
UNITS & DEPTH ALARM	PG 19
TEMPERATURE OFFSETS	PG 20
ENGINE	PG 20
DIAGNOSTICS	PG 21
ENGINE DIAGNOSTICS	PG 21
SYSTEM DIAGNOSTICS	PG 22

TABLE OF CONTENTS

OPTIONS _____	PG 23
OPTIONAL LIGHTS _____	PG 23
AUXILIARY LIGHTS _____	PG 24
POWER MODULE _____	PG 25
POWER MODULE ACCESS _____	PG 26
FUSE REPLACEMENT _____	PG 26

SYSTEM OVERVIEW

A high-resolution touch control display bring more features to the surface providing an unmatched user experience. Critical information including engine performance, fuel level and depth is always in view. The right side contextual menu swaps out with a touch of the destination screen buttons. The left, displays persistent speed, tachometer and trim position data.



- 1- Optional Speed Control On/Off (Mercury Only)
- 2- Tachometer
- 3- Speedometer
- 4- Optional RGB Lighting Screen
- 5- Gauges Screen (Current Selection)
- 6- Controls Screen
- 7- Settings Screen

- 8- Night Mode Toggle (see pg.14)
- 9- Trim Position
- 10- Fuel
- 11- Time
- 12- Air Temp
- 13- Water Temp
- 14- Depth
- 15- Compass

WARNINGS / ALERTS

The triangle **ALERT BUTTON** will alert users to any system malfunctions or warnings. Pressing the icon will reveal further information in the Engine Alarm window.

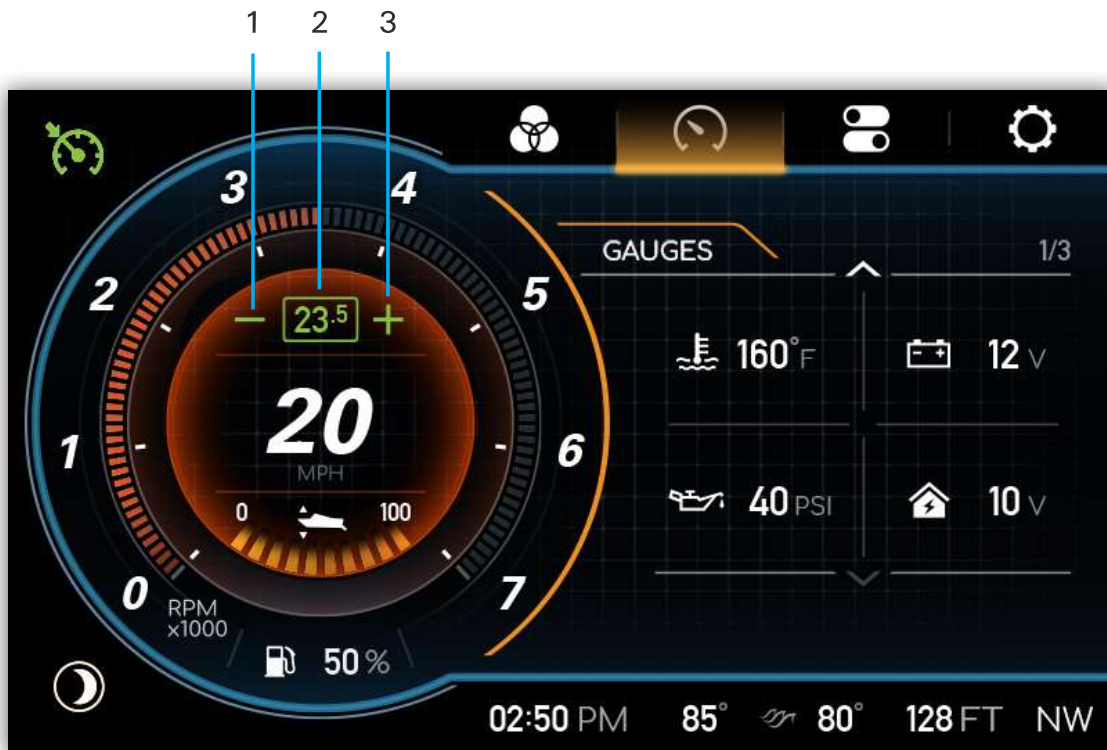


- 1- Alert Button (This button will take you to Alarm Pop-Up)
- 2- Low Fuel Warning
- 3- Engine Alert Icon (MIL)

- 4- Engine Alarm Screen
- 5- Dismiss/Cancel Button

OPTIONAL SPEED CONTROL (MERCURY ONLY)

Automatically maintain a consistent boat speed and launch acceleration. When Speed Control is ON and ENGAGED, the cruise control system will control the speed of the boat. Pulling the throttle to **NEUTRAL** will bring the engine to idle any time cruise is **ENGAGED**. The cruise speed setpoint can be changed anytime speed control is **ON**, with the set speed **DECREASE (-)** or **INCREASE (+)** buttons.



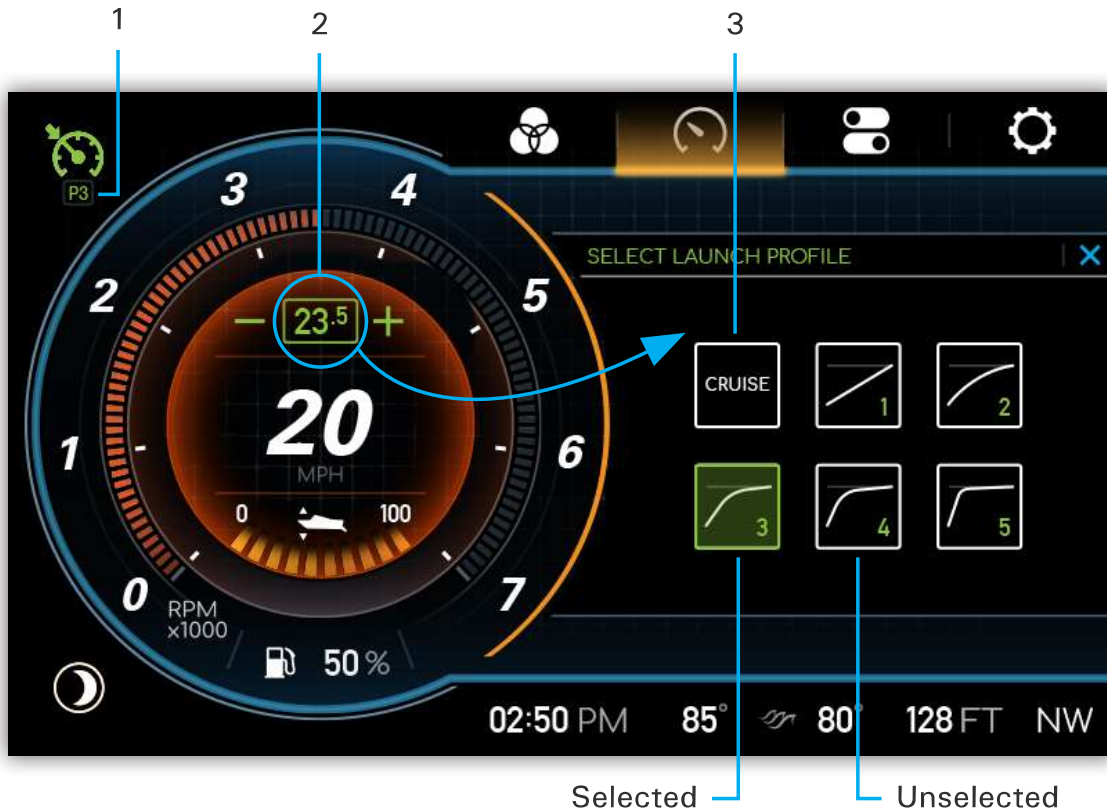
1- Set Speed Decrease

2- Current Set Speed

3- Set Speed Increase

OPTIONAL LAUNCH PROFILE (MERCURY ONLY)

Once Speed Control is ON and ENGAGED, a Launch Profile may be selected by pressing the **LAUNCH PROFILE SELECT** button. This will open the Launch Profile window with a selection of five presets. The active Launch Profile is indicated under the Speed Control button.



- 1- Active Launch Profile
- 2- Launch Profile Select Button
- 3- Launch Profile Off/Cruise Control Only

OPTIONAL RGB LIGHTING CONTROL

The RGB lighting control system allows individual or group control of the lighting zones on the boat. Customize lighting color, intensity and timing with the touch of a button.

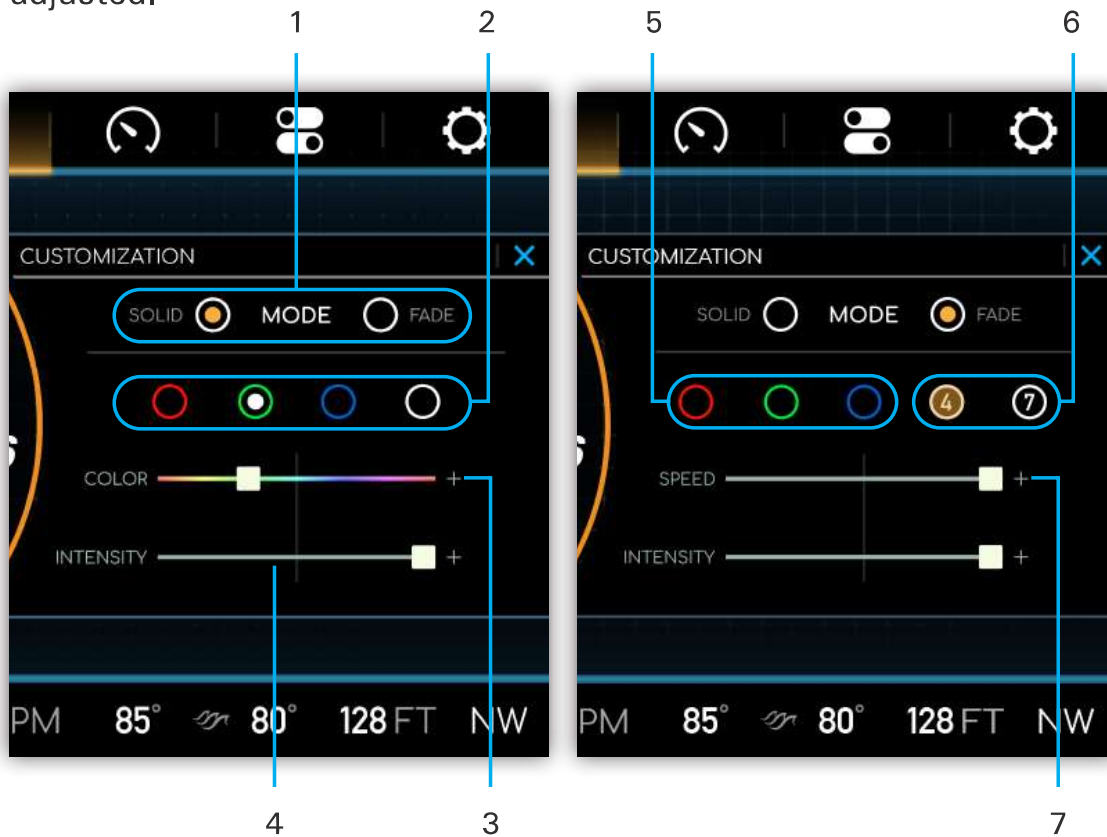


- 1- Lighting On/Off
- 2- Interior Lighting On/Off
- 3- Exterior Lighting On/Off

- 4- Customize All Zones
- 5- Customize Interior Zone
- 6- Customize Exterior Zone

OPTIONAL LIGHTING CUSTOMIZATION

To customize lighting options, select **INTERIOR**, **EXTERIOR**, or **ALL** to bring up the Lighting Customization window. Here the modes (solid or fade), colors, cycle speed, and light intensity can all be adjusted.

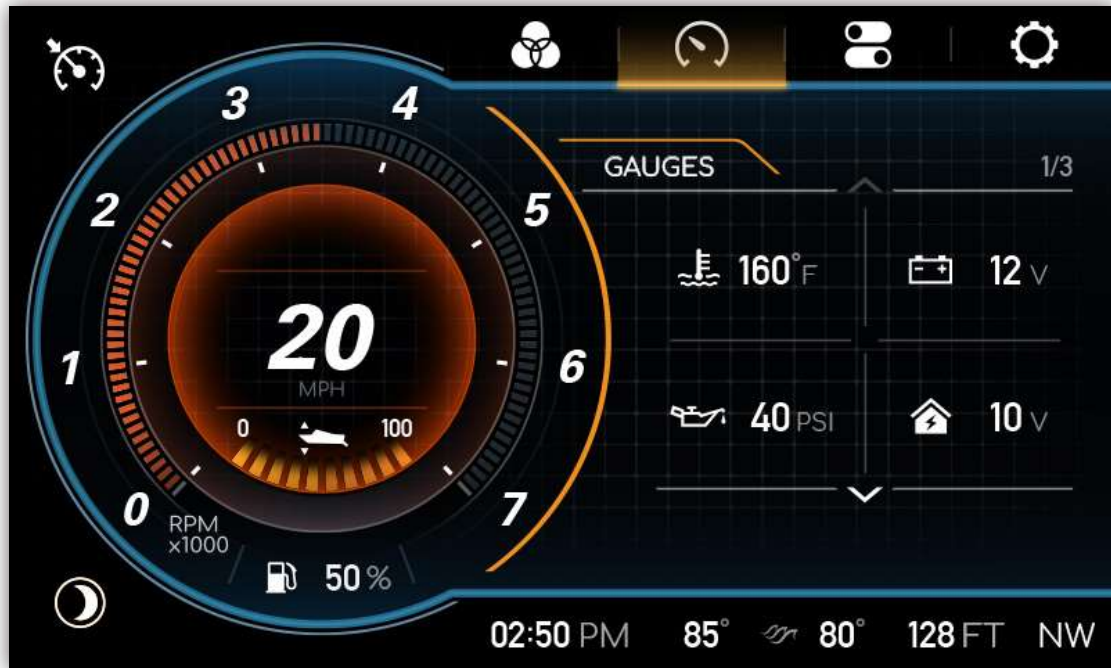


- 1- Effects Mode
- 2- Preset Color Select (Red/Green/Blue/White)
- 3- Color Spectrum Select
- 4- Lighting Intensity

- 5- Preset Color Select (Red/Green/Blue/White)
- 6- Color Cycle Select (4 or 7 Preset Colors)
- 7- Fade Pulse Speed

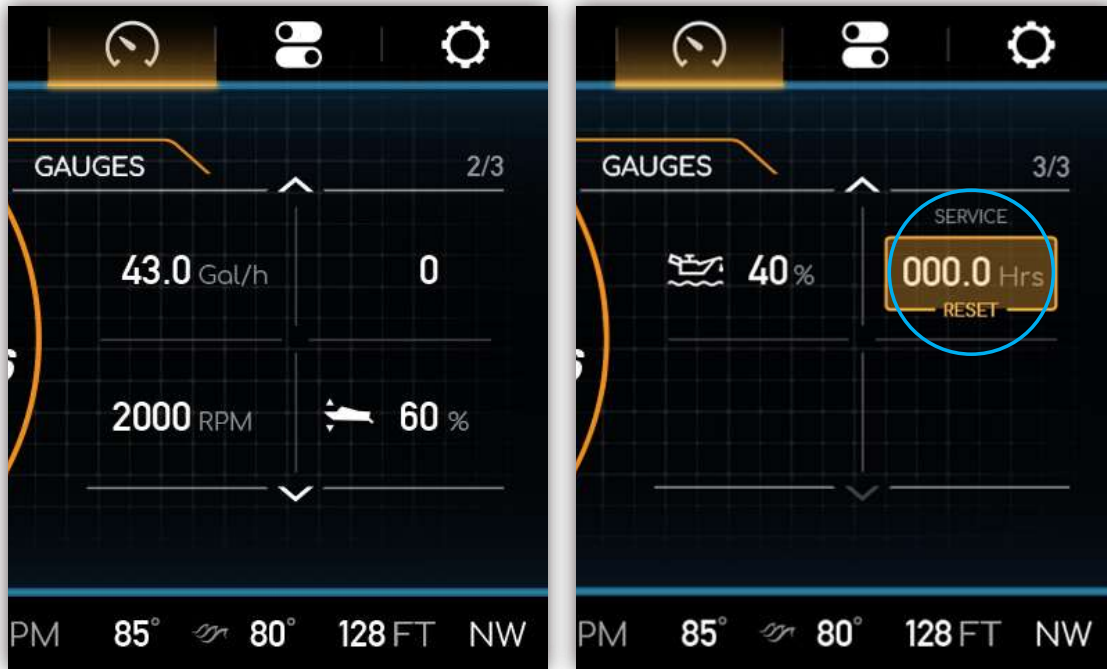
GAUGE SCREEN

The Gauge Screen provides digital engine parameters for monitoring engine performance and system voltages.



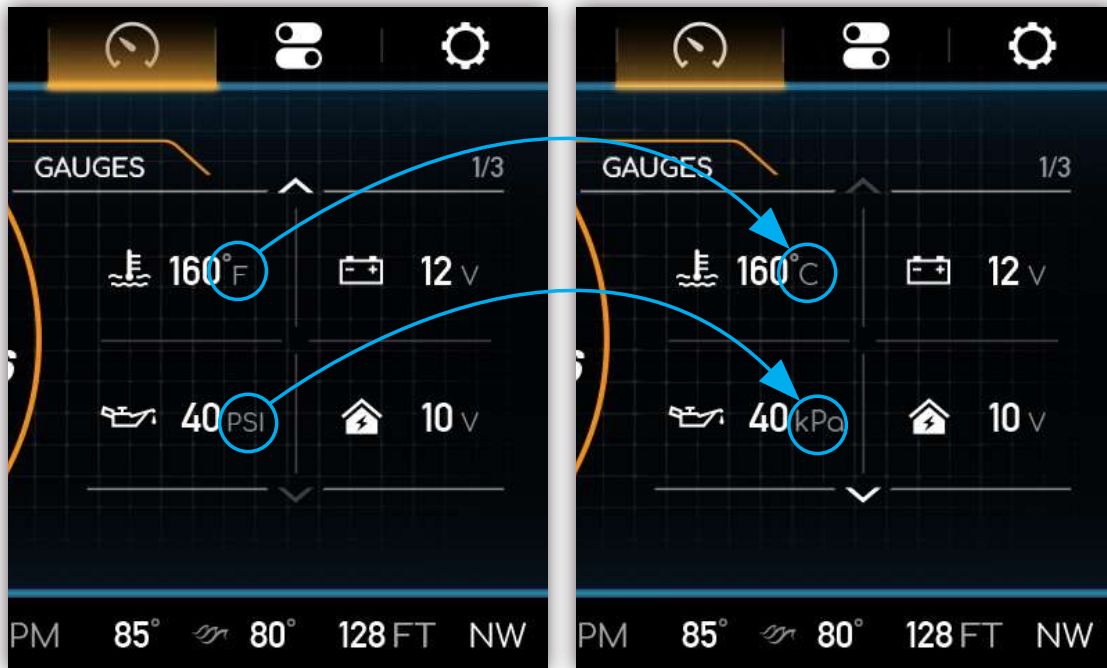
SERVICE RESET

Included in the Gauge Screen (third page) is a tally of Service Hours. To zero out the service hours press the **RESET** button.



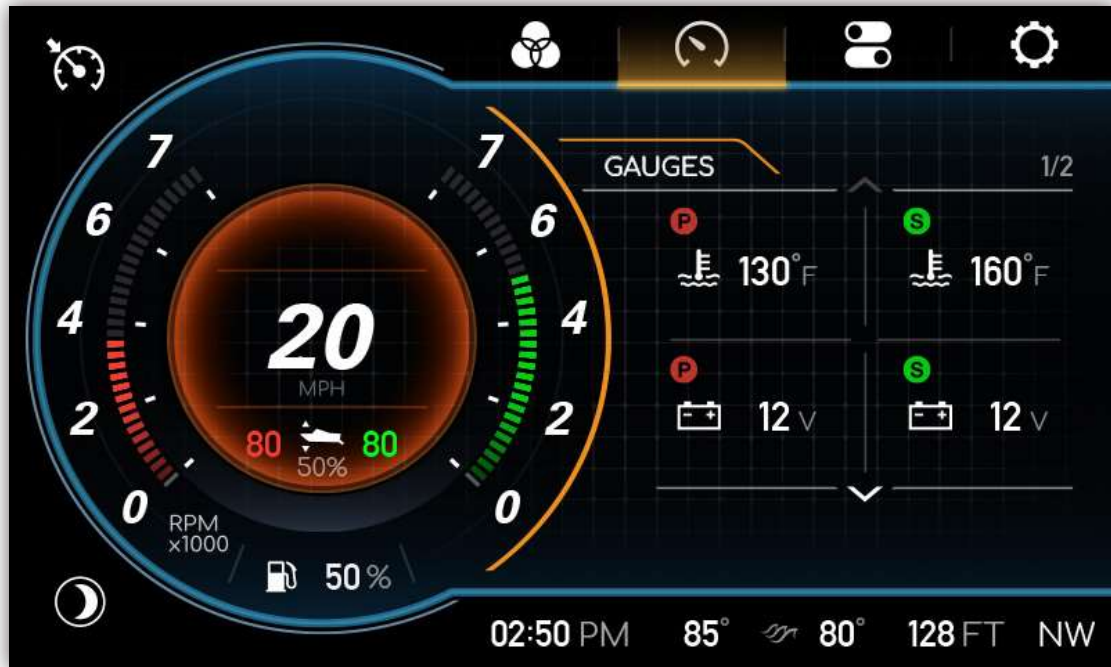
OPTIONAL METRIC UNITS

Units can be display in either Imperial (English) or Metric. The option can be toggled in the Units and Depth Alarm section of the Configuration menu (see page pg.16).



OPTIONAL TWIN ENGINE

Engine information can be display for either Single or Twin Engine systems. The option is selectable in the Engine section of the Configuration menu (see page pg.17).



CONTROLS SCREEN

The Controls Screen allows On/Off switching functionality to all interior and exterior lighting, water pump systems, and blower. A highlighted icon will indicate which elements are active.

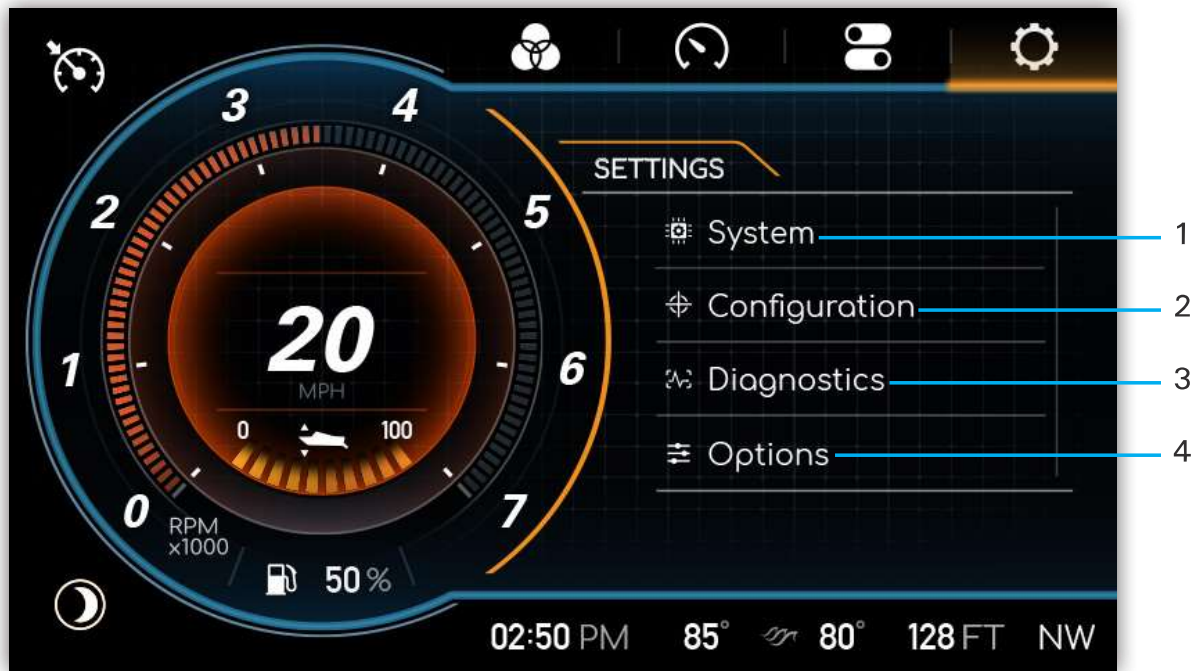


- 1- All Active Switches Off
- 2- Navigation Lights Switch
- 3- Anchor Lights Switch
- 4- Docking Lights Switch
- 5- Interior Lights Switch
- 6- Underwater Lights Switch

- 7- Exterior Lights Switch
- 8- Washdown/Slide Pump On/Off
- 9- Livewell On/Off
- 10- Blower On/Off
- 11- Bilge Pump On/Off

SETTINGS SCREENS

The Settings Screens allows management and customization of system settings, options, display configurations, and troubleshooting diagnostics. Press the desired option or **PAGE DOWN** arrow (where applicable) to navigate forward. Use the **BACK** arrow or **PAGE UP** arrow to navigate to a previous window. Changes will **AUTOMATICALLY** be saved upon exiting the Settings Screen.



- 1- System Settings
- 2- Configuration Settings
- 3- System Diagnostics
- 4- Options Settings

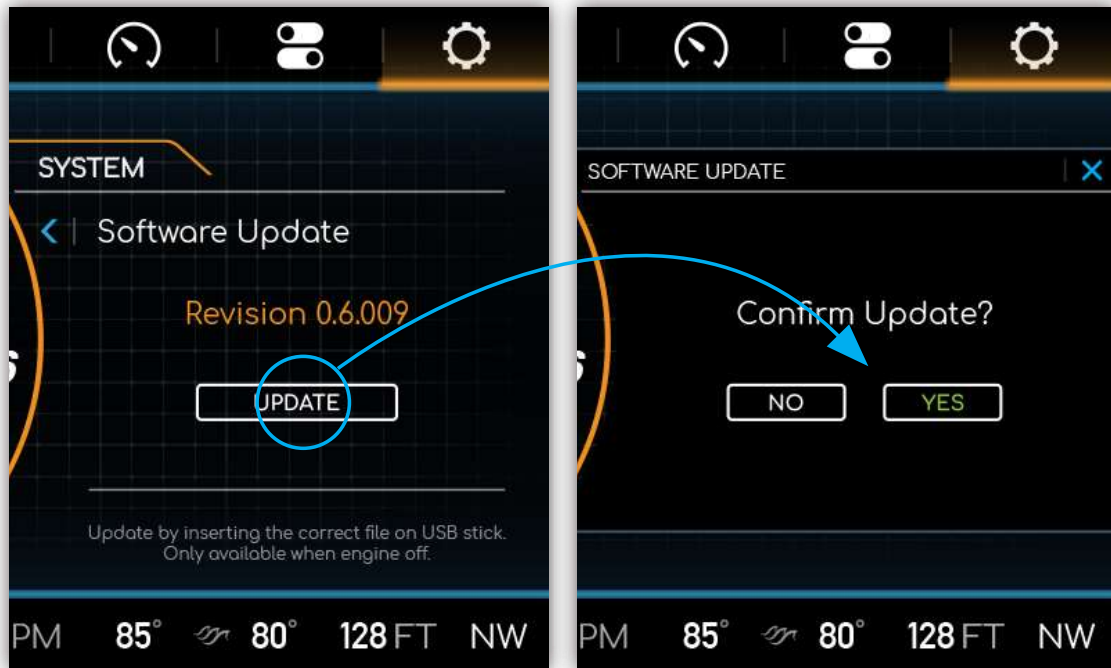
SYSTEM

Update Software, adjust LCD backlighting, and reset to factory default software in the Systems Settings menu.

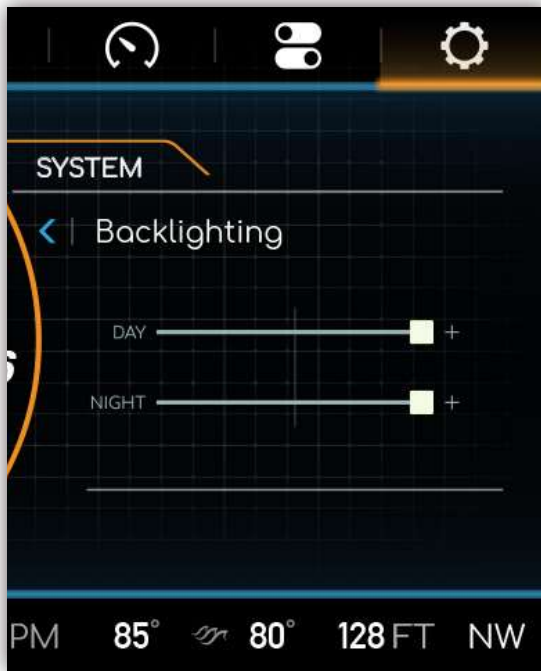


SOFTWARE UPDATE

In the Software Update Screen view the installed software version and instructions for how to install a software update. During the update process ensure stable power to the display and do not interrupt the process. After pressing **UPDATE**, wait for up to 30 seconds, and the counter will show update progress. After progress reaches 100%, reboot the system.



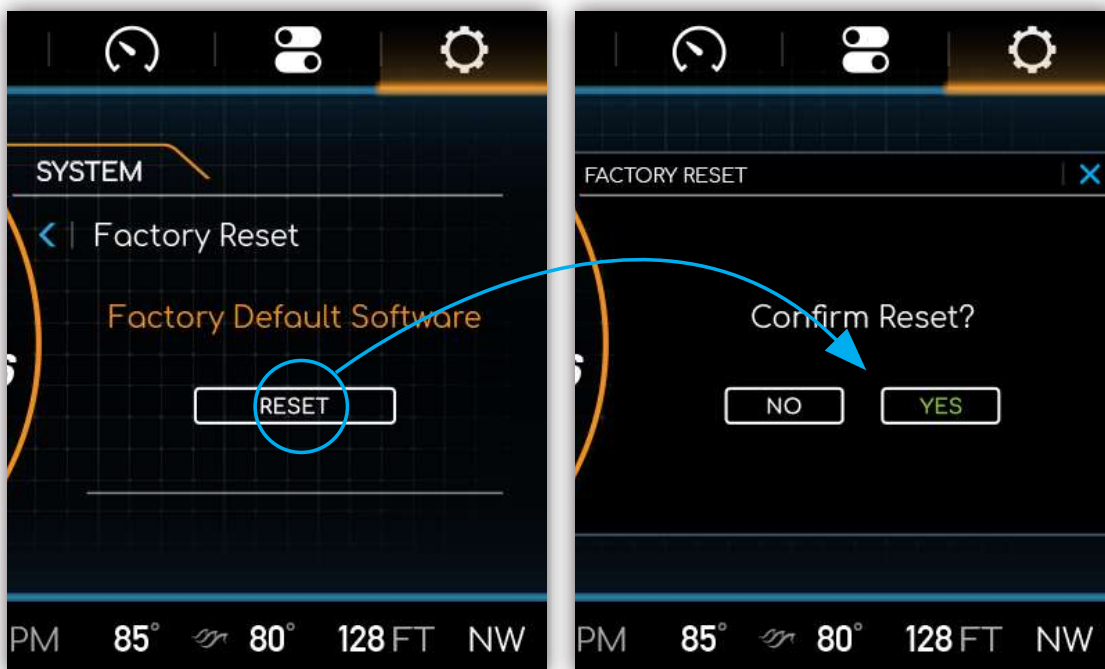
BACKLIGHTING



Adjust the brightness of the display from 0-100%, in Day time and Night time modes, in the Backlighting Screen. The **NIGHT MODE** button on the top level display toggles between the two settings.

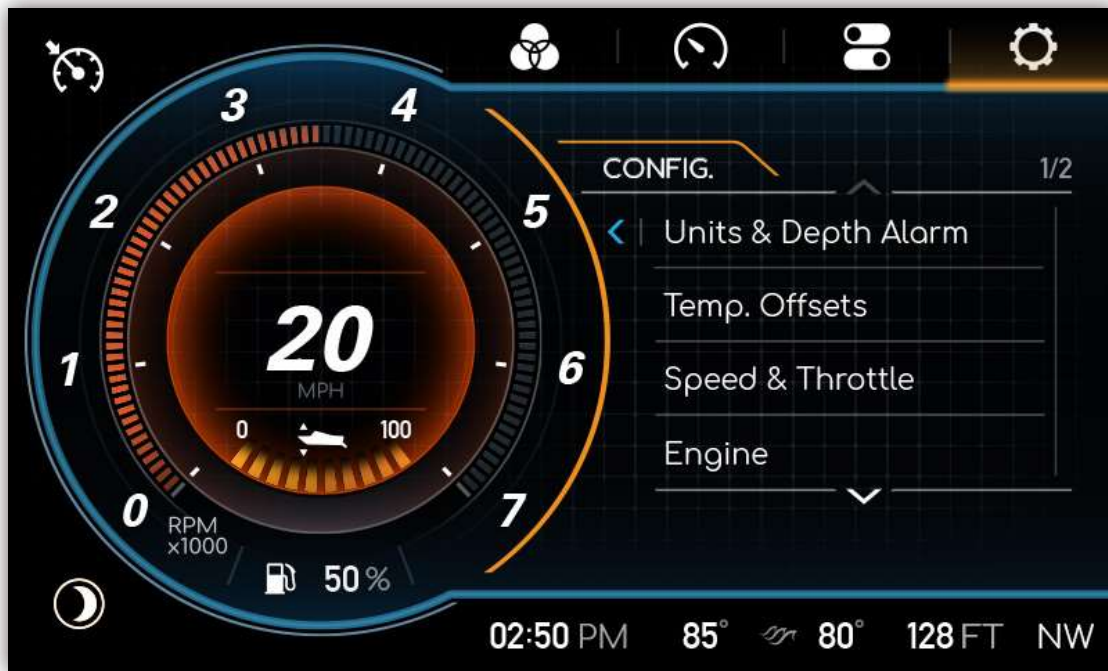
FACTORY RESET

Reset system software in the Factory Reset Screen. Pressing the **RESET** button will delete all updates and return software back to the original, factory default software.

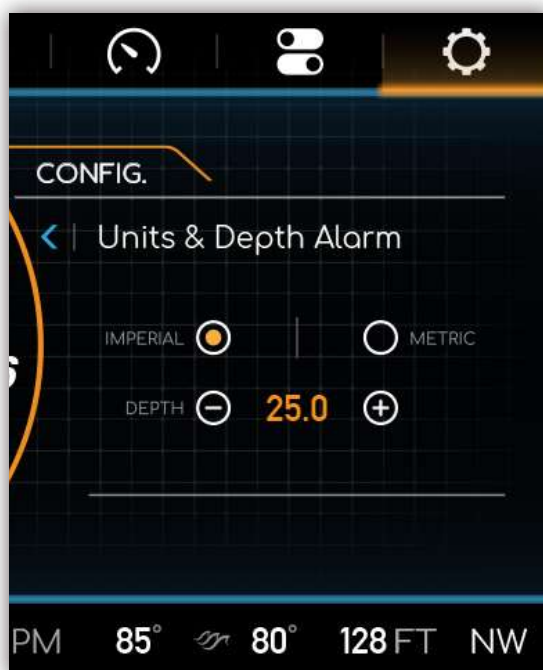


CONFIGURATION

Adjust output display options for depth, temperature and engine data in the Configuration Screen.

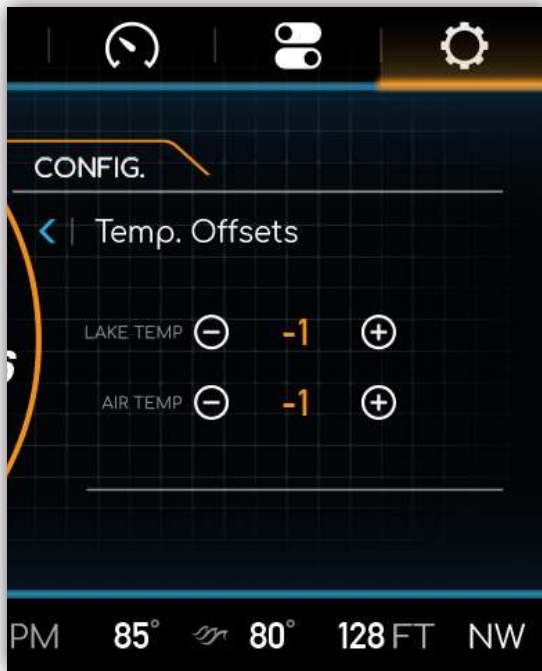


UNITS & DEPTH ALARM



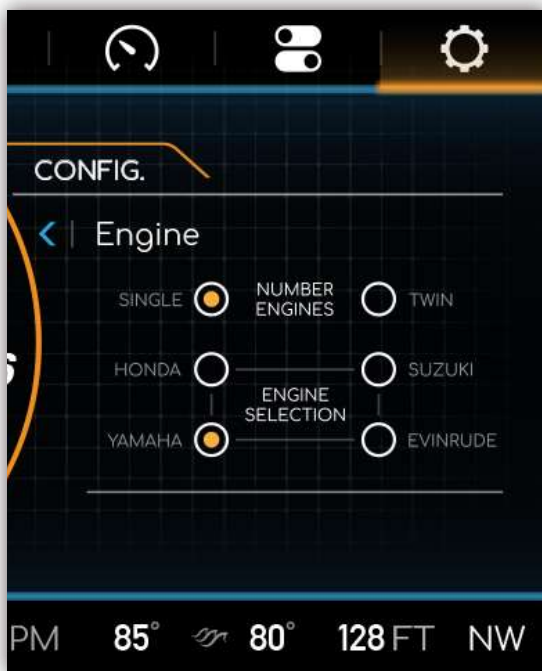
Choose between Imperial (English) or Metric units for display data in the Units and Depth Alarm Screen. The user can also adjust the shallow alarm depth. Setting the depth to "0 ft" will disable the alarm.

TEMPERATURE OFFSETS



Calibrate the ambient air and water temperature sensor offsets in the Temperature Offsets Screen.

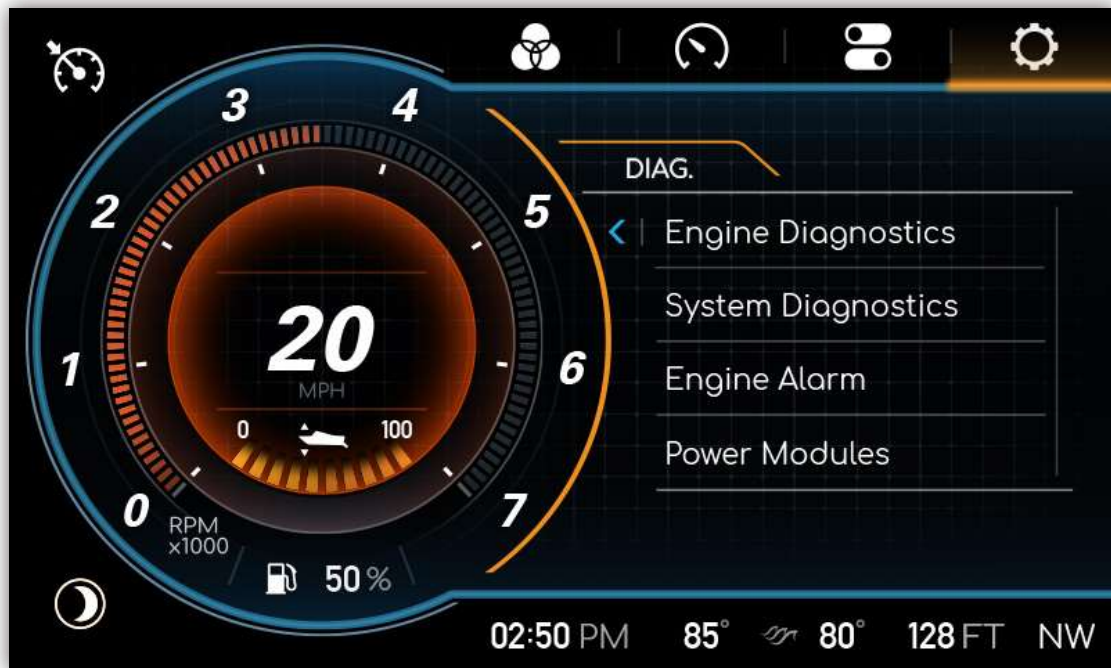
ENGINE



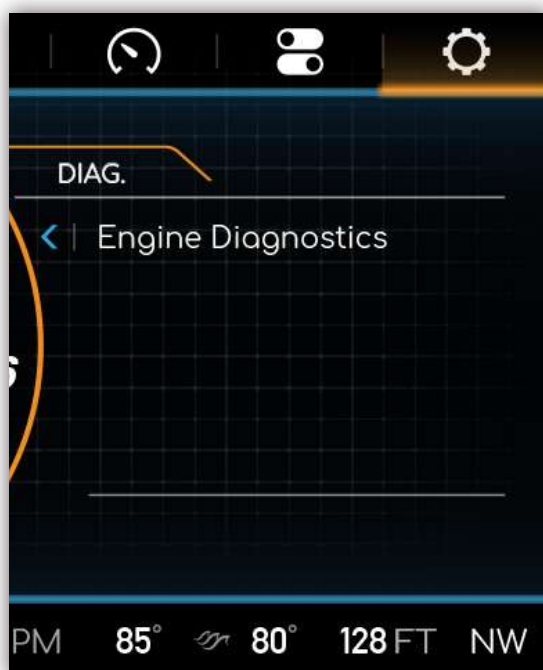
Select the number and type of engine(s) for display output in the Engine Screen.

DIAGNOSTICS

In the Diagnostics Screen view information on Engine and System Diagnostics, Engine Alarms, and Power Modules.



ENGINE DIAGNOSTICS



The Engine Diagnostics Screen provides on-screen diagnostic information about the vessels engine(s).

SYSTEM DIAGNOSTICS



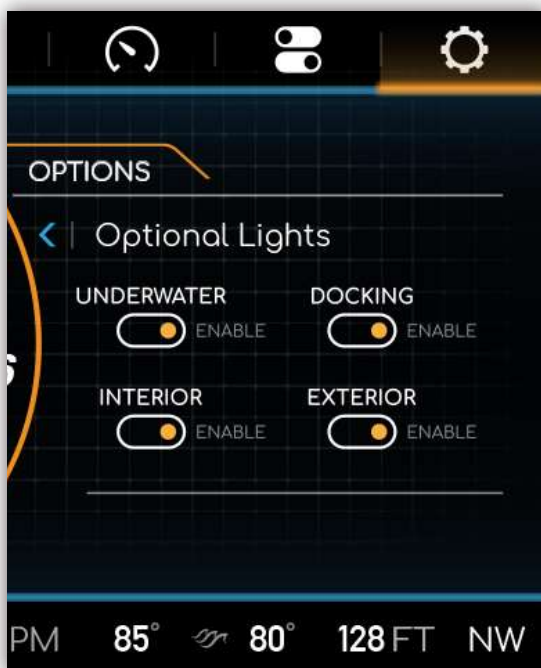
The Systems Diagnostics Screen provides troubleshooting information for trained technicians. On-screen information concerning boat sensors and GPS signal can also be found.

OPTIONS

In the Options Screen optional and auxiliary lighting systems can be **ENABLED** or **DISABLED**.



OPTIONAL LIGHTS



Enable and disable optional Underwater, Docking, Interior and Exterior lights in the Optional Lights Screen.

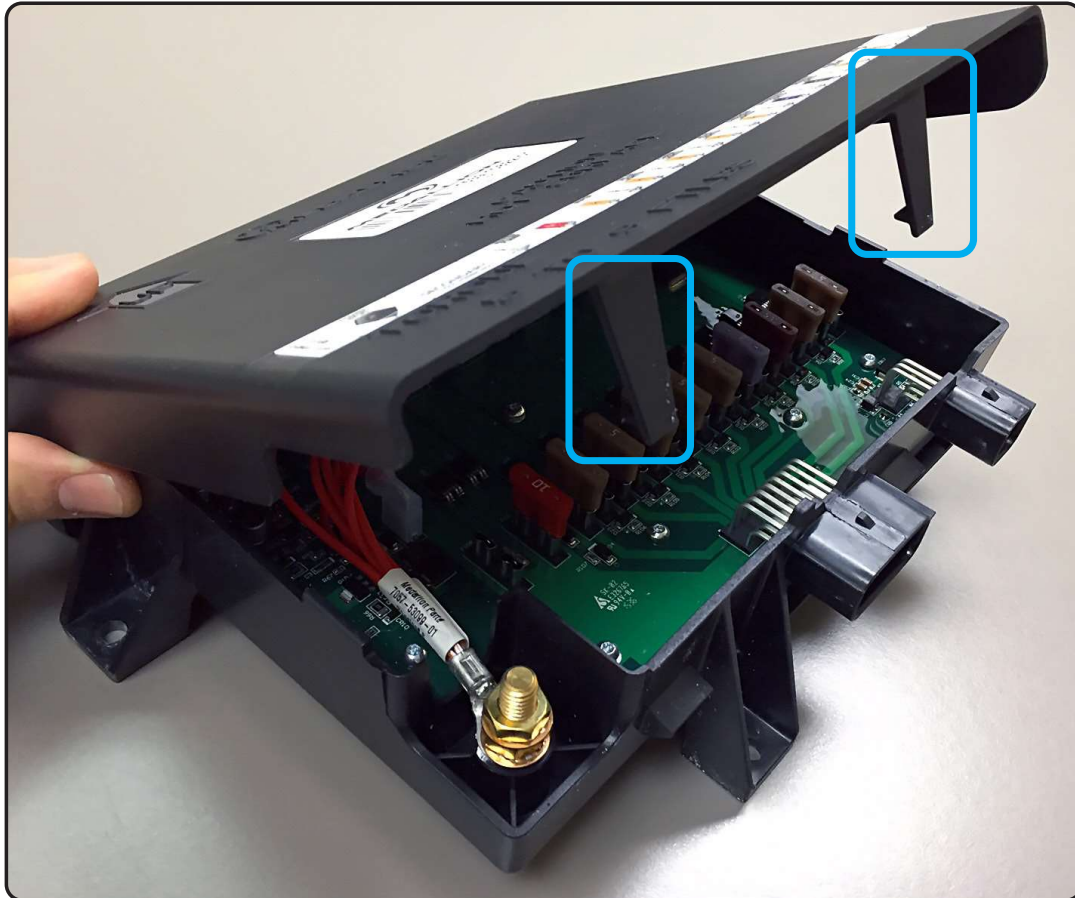
AUXILIARY LIGHTS



Enable and disable up to four auxiliary lights in the Auxiliary Lights Screen.

POWER MODULE

The loads in your boat controlled from the touch screen display are powered by a power module. In the event the touch screen control is unusable each load can be manually operated by moving the fuse to the bypass position on the power module. Remove cover by lifting the tabs.



POWER MODULE ACCESS

The Power Module is located in the helm stand area. Either under the helm or in an adjacent storage area.



FUSE REPLACEMENT

In the event a fuse is blown, it can be replaced with an automotive grade ATC/ATO fuse of the same rating called out on the power module label.

