



System Guide

English

Software version: 2.5

NSO[®] 4 | NSS[®] 4 | NSX[®]

Zeus[®] SRX | Zeus[®] SR | Zeus[®] S

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This product's warranty is supplied as a separate document.

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This product's safety, disclaimer and compliance statements are supplied as a separate document.

Internet usage

Some features in this product may require an internet connection to download or upload data. If you use a mobile/cellular connection or a pay-per-MB plan, your service provider may charge you for data transferred. If you are unsure, contact your internet service provider for rates and restrictions.

More information

Document version: 003

This document was prepared using software version 2.5.

Features described in this document may vary from your unit due to connected devices, settings, brand, and continuous software development.

For the latest version of this document in supported languages, and other related documentation, visit www.simrad-yachting.com/downloads or www.bandg.com/downloads.

Contact us

For product support and service information, visit www.simrad-yachting.com/contact-us or www.bandg.com/contact-us.

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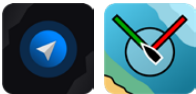
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ABOUT

This document outlines the NEON operating system features. For app-specific functions, refer to each app's guide via the download links. Download the mobile app or visit: www.simrad-yachting.com/downloads or www.bandg.com/downloads.

Chart



Waypoints & Routes



ActiveTarget & AT Wide



SideScan



Fuel



Mercury



Engines



Power-Pole®



Radar



Tracks



Echo



Instruments



Camera



CZone



Autopilot Controllers



MOB



Tides



DownScan



Instrument bar



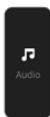
X-Chart Manager



Yamaha

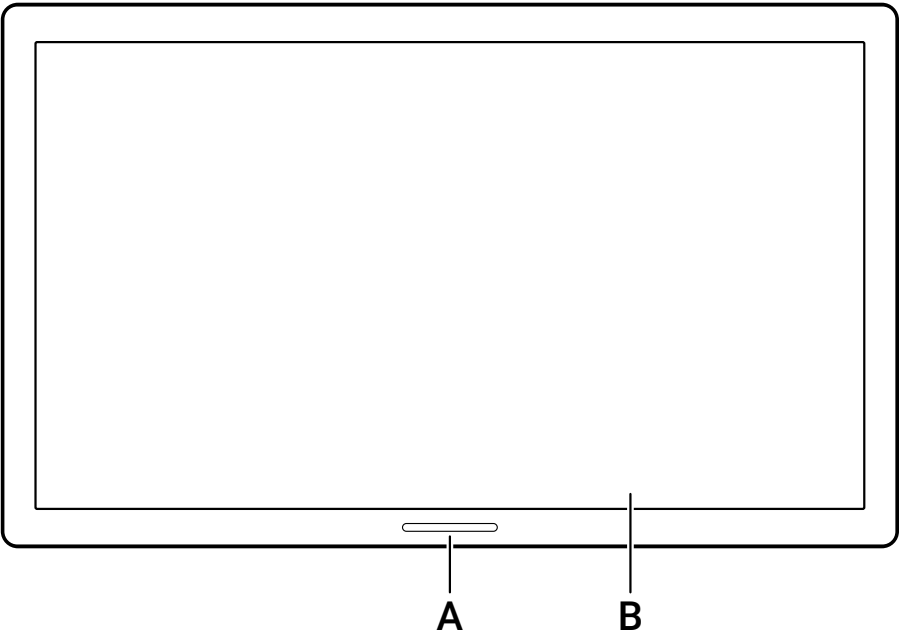


Audio Controller



FRONT CONTROLS

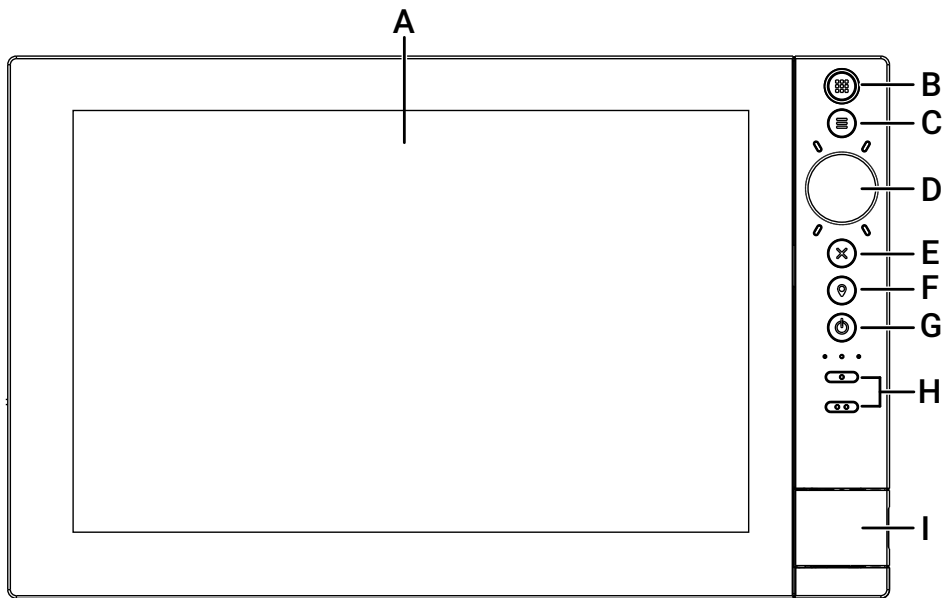
Simrad® NSO 4 and B&G Zeus SRX



- A Power button
- B Touchscreen

Brand and model	Display sizes
Simrad® NSO 4	16", 22", and 24"
B&G Zeus SRX	16" and 22"

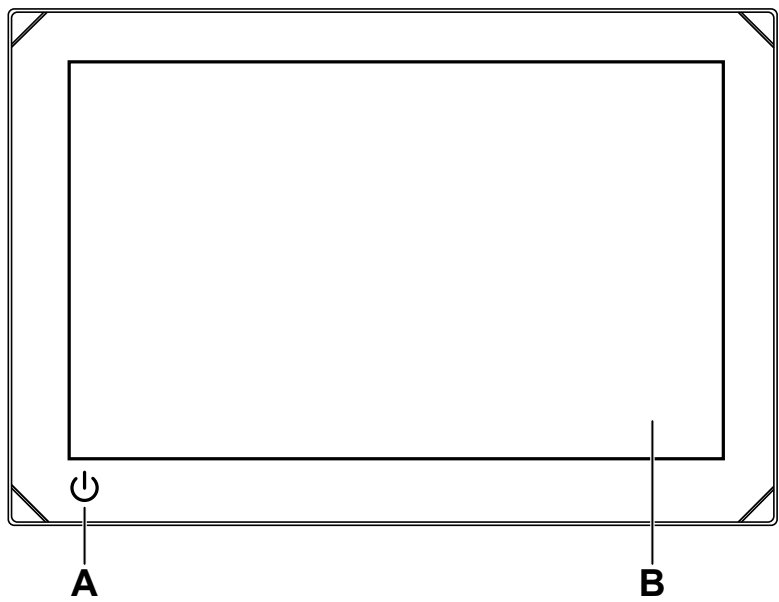
Simrad® NSS 4 and B&G Zeus SR



- A** Touchscreen
- B** Home
- C** App menu
- D** Scroll wheel
- E** Exit
- F** Waypoint
- G** Power
- H** Customizable keys
 - 1x button on the 10" unit
 - 2x buttons on the 12" and 16" units
- I** Memory card door

Brand and model	Display sizes
Simrad® NSS 4	10", 12", and 16"
B&G Zeus SR	

Simrad® NSX, B&G Zeus S, and Ultrawide displays



- A Power button
- B Touchscreen

Brand and model	Display sizes
Simrad® NSX	7", 9", and 12"
B&G Zeus S	12" and 15" Ultrawide

CARD READER

Use a microSD® card to:

- Store detailed charts (Discover X and Reveal X)
- Store or transfer user data (waypoints, routes, tracks, screenshots)
- Update software

→ **Notes:**

- *If a microSD® card and USB storage device are both inserted, by default, data and screenshots are saved to the USB storage device.*
- *Do not download, transfer or copy files to a chart card as it can damage chart information on the card.*
- *MicroSD® cards up to a maximum of 256 GB capacity are supported in FAT® 32, ExFAT®, or NTFS® file system.*
- *Always shut the protective cover securely after inserting or removing a microSD® card to keep the slot watertight.*

C-MAP Discover X and Reveal X charts

You can purchase and install high resolution Discover X and Reveal X chart data for your display unit.



You can purchase charts via the **C-MAP X-Chart Manager** app as a digital license and store them on the unit's internal memory or via a microSD® card with pre-installed data.

Refer to the **X-Chart Manager App Guide** for details.

→ **Note:** *An internet connection is required to access and download chart data.*

USB PORT

Use the USB port to:

- Connect a USB storage device or a generic USB card reader to store screenshots, sonar recordings and other system data.
- Connect a standard computer input device like a keyboard or a mouse.
- Output audio via an optional Navico USB audio adapter (P/n 000-16328-001).

→ **Note:** *Audio output over USB is available on NSO 4 and Zeus SRX only.*

→ **Note:** *USB storage devices should be standard, PC-compatible hardware with a FAT® 32, ExFAT®, or NTFS® file system.*

TURN UNIT ON/OFF

To turn the unit on, press the power key. A beep confirms that the unit is starting.

To turn the unit off, press and hold the power key. If you release the key before shutdown completes, the unit cancels the shutdown.

You can also turn the unit off from the quick access menu. To cancel, select **Cancel Power Off** before the shutdown finishes.

External power control

An external switch or another unit can control power to the unit. For details about available options, refer to the **This device** on page 32, or refer to the installation manual.

→ **Note:** *If an external power source controls the display, you cannot turn it off using the power key or the quick access menu. Press and hold the power key to place the unit in standby mode. To wake the unit, touch the screen or press the power key.*

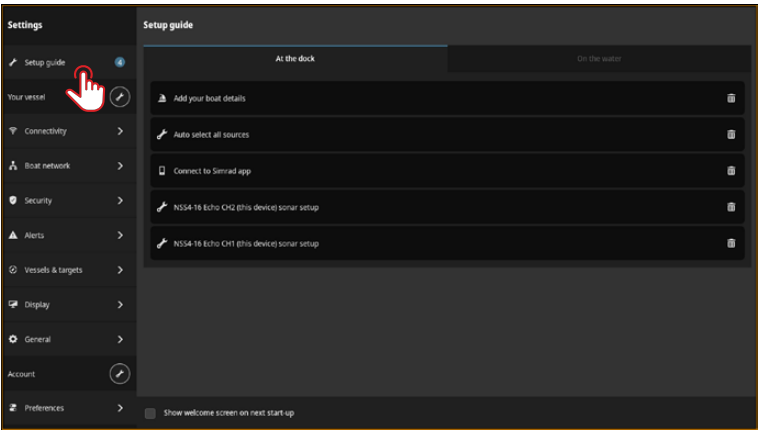
FIRST STARTUP

When you start the unit for the first time, or when you start it after a factory reset, you need to complete the initial setup for **Language**, **Country selection**, **Time zone**, and **Boat network**. After that, the **Welcome** screen presents you with two choices:

- Select **Use your device now** to start using the device immediately.
→ *Note: If you select this option, you will continue to receive setup notifications until device setup is complete.*
- Select **Continue device setup** (recommended) to complete the device setup.



From the **At the dock** tab, complete the details following the on-screen prompts.

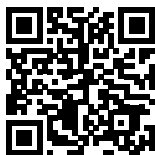


- **Notes:**
- The **On the water** tab is unavailable if there are no incomplete configuration tasks.
 - All settings configured during the first startup can be changed later.
 - Select  to permanently remove a setup step.

DEVICE REGISTRATION

You can register your display unit before or after installation.

Navigate to www.simrad-yachting.com/mfdreg or www.bandg.com/mfdreg or scan the appropriate QR code® below



Simrad®



B&G

- On the website, select **Register with serial number**, then enter the device's 9- or 10-digit serial number from the label on the bottom of the unit.
- If you have powered ON the display, you can also navigate to **Settings > General > About > Serial number** to see the device serial number.
- Fill out all requested details on the form and select **Register** to complete device registration.

MOBILE APP

Available on the App Store® or Google Play®, the mobile app lets you:

- Sync waypoints and routes
- Record tracks
- Download and view app guides
- Subscribe to Premium charts
- Create waypoints, routes, and tracks
- Explore points of interest (POIs)
- Download and apply software updates to your display unit

→ Notes:

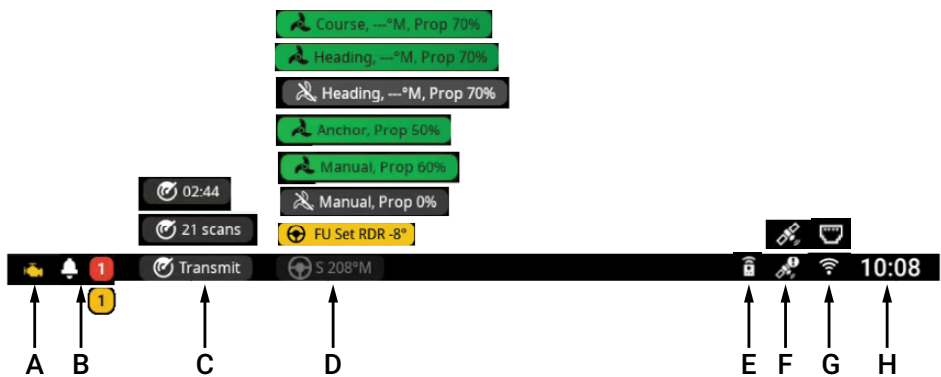
- *Tags are not synchronized.*
- *An internet connection is required to log in to your Simrad® or B&G account and synchronize your data with cloud services.*
- *Your internet service provider may charge you to connect to the internet.*

SCREEN LAYOUT

Status bar

The status bar always displays at the top of the screen and cannot be hidden. The status bar may include, but is not limited to the following:

- A OBD MIL (displays when your Mercury engines have a system notification)
- B Alerts
- C Radar status
- D Autopilot/Trolling motor/Vessel heading status
- E Accessory remote connected (e.g. OP™ 55)
- F GPS status
- G Wi-Fi®/Ethernet connection status
- H Time



→ **Note:** The contents of the status bar will vary based on the devices connected to your system.

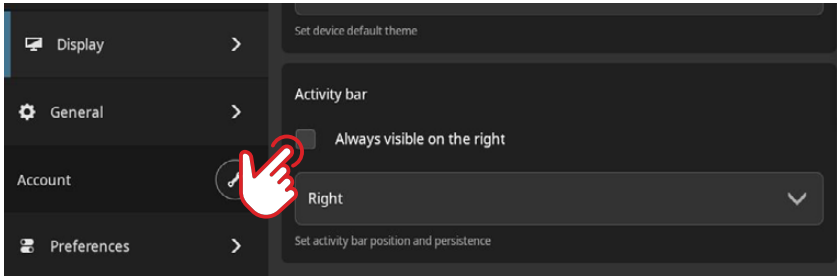
Status bar legend

Icon	Description
	Wi-Fi® signal strength / Hotspot active
	Wi-Fi® signal error / Wi-Fi® disconnected
	Ethernet connected / Ethernet connection error
	GPS connected / No GPS fix / GPS fix lost
	Bluetooth® connected — shows if a Bluetooth® device is connected.
	Sound off — shows if an audio device is connected and the sound is off.

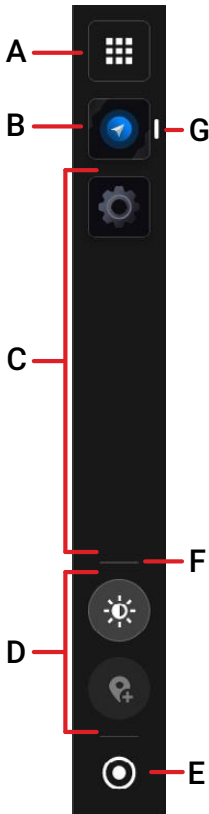
Icon	Description	
	Water mode — shows if the screen is less responsive due to water on the display.	
	Screen locked — shows if the screen has been locked via the quick access menu.	
	Check oil	Shows when connected to a suitable sensor / engine interface.
	Fuel low	
	OBD MIL — Malfunction Indicator Lamp	
	Trolling motor	
	Autopilot active / Autopilot standby	
	Radar transmitting	
	Remote controller — your display is connected to a remote controller and can be controlled by it.	
	Synchronizing — Synchronizing waypoints, routes and tracks.	

Activity bar

When an app is running or pinned, its icon displays on the activity bar. You can set the activity bar position to be at the top, right or bottom of the screen. You can also choose to keep the activity bar visible or hidden. To set your preferences, navigate to **Settings > Display > Activity Bar**.



→ *Note: By default, the activity bar is set to always be visible on the right side of the screen.*



- A Select to open/close the app drawer.
- B Default app — this app can be configured via **Add to activity bar** or it defaults to the last used app and cannot be blank.
- C Pinned apps display at the top of the panel and other recently used apps appear below them.
- D Quick access menu items you add to the activity bar display here.
- E Select to open the quick access menu.
- F Divider — A horizontal line separates pinned apps and pinned quick access menu items.
- G Active app — A vertical line appears next to the app currently showing on the main display.

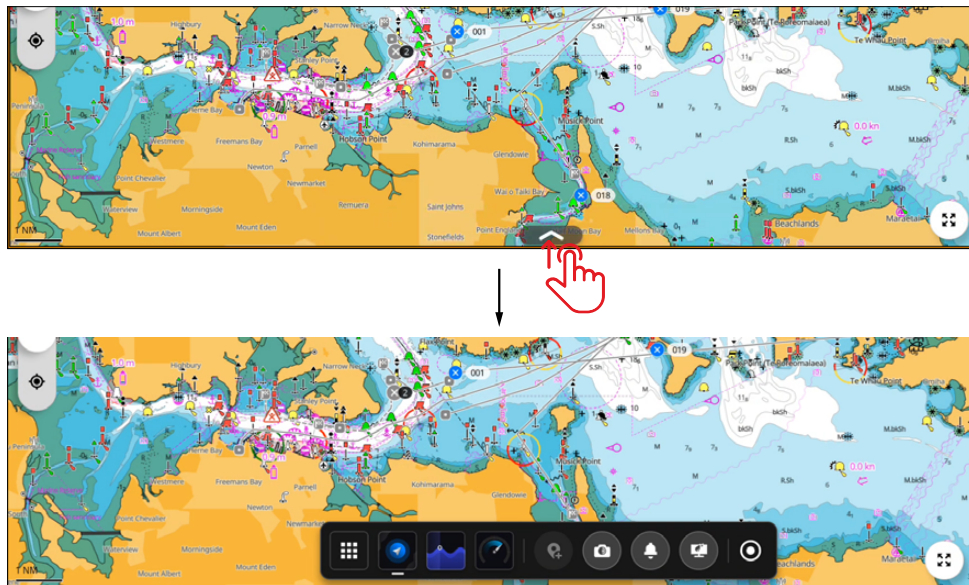
→ *Note: The activity bar can be configured to display your choice of apps and quick access menu items.*

→ *Note: On NSS 4, Zeus SR, or OP 55 remote, when the activity bar is hidden, press the  key once to open the activity bar. Press it again to open the app drawer.*

When you hide the activity bar, it appears briefly on the side where you placed it when you tap the on-screen pull tab, or when you press the power key once.

To view the activity bar, swipe the , , or  pull tab toward the center of the screen.

The example below shows the activity bar hidden at the bottom of the screen.



- **Note:** The system hides the activity bar after 10 seconds of inactivity or when you touch another area of the screen.
- **Note:** You cannot place the activity bar on the left side of the display, because this area is reserved for controllers for connected devices.

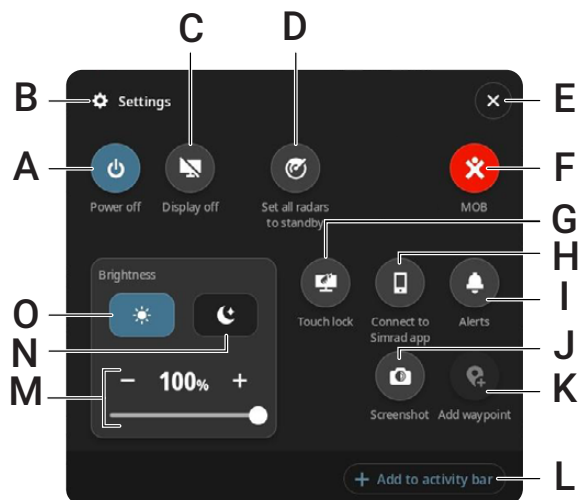
Quick access menu

The quick access menu provides fast access to common system settings and features. If the activity bar is visible, open the quick access menu by selecting the  icon or pressing the power key once. When the activity bar is hidden, press the power key twice to view the quick access menu.



i The illustration shows a unit with physical control keys. Touchscreen behavior is the same across devices that use the NEON operating system.

→ **Note:** To close the quick access menu, select  or select anywhere outside the menu.



- A Power off** Select to turn off the device. If the unit is powered through a power control bus via the yellow power control wire, selecting this option puts the unit into standby mode. To exit standby mode, touch the screen or press the power key.
- B Settings** Select to open device settings.
- C Display off** Select to turn off the display and place the unit into standby mode. Touch the screen or press the power key to exit standby mode.
- D Set all radars to standby** Select to place connected radars into standby immediately.
→ Note: You can turn on radar transmit from the Radar app.
- E Close** Select to close the quick access menu.
- F MOB** Select to create a MOB waypoint at your vessel's location and open the MOB app.
- G Touch lock** Select **Touch lock** from the quick access menu to lock the touchscreen and prevent accidental operation. Press the power key to unlock the touchscreen.
→ Note: The touchscreen automatically unlocks to display alarms or warning alerts even if the touchscreen was previously locked.
- H Connect to mobile app** Select **Connect to app** from the quick access menu to connect your mobile device (phone or tablet) to the unit's hotspot.

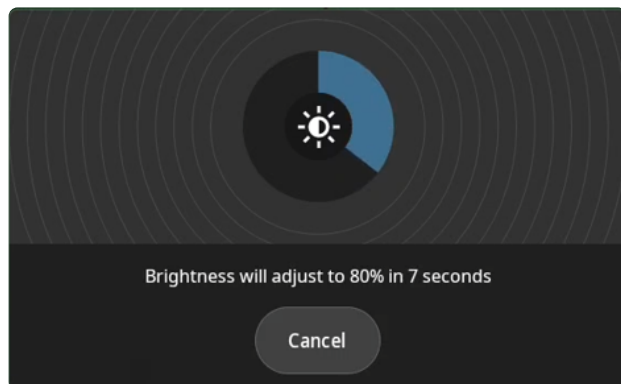
- I Alerts** Select to view the **Active alerts** panel, including historical alerts.
- J Screenshot** Select **Screenshot** from the quick access menu to capture an image of your screen. Images are stored on a microSD® card or USB storage device inserted into the unit.
 → **Note:** *If a microSD® card and USB storage device are both inserted, images are saved to the USB storage device.*
- K Add waypoint** Select to add a waypoint marker at your current vessel location.
- L Add to activity bar** Select to pin a quick access menu shortcut to the activity bar.
- M Brightness** Select **Brightness** from the quick access menu and slide the bar to the desired level. See **Automatic brightness** below.
 → **Note:** *If you dim the brightness so the screen appears black when in brighter environments, the unit may appear to be turned off.*
- N Night mode** Use night mode to optimize the color palette and backlight for low light conditions.
- O Day mode** Use day mode to optimize the color palette and backlight for normal lighting conditions.

Automatic brightness

The display unit automatically adjusts screen brightness at startup to improve visibility.

If the brightness is set to a very low level, the unit checks the time using GPS or an internet source to determine if it is daytime. If so, the unit increases the brightness to 80% so the display is clearly visible.

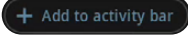
A dialog box allows you to cancel this adjustment and keep the original brightness setting. This feature reduces the risk of a dim or unreadable screen at startup and improves usability.



Pin and unpin quick access menu items

You can add quick access menu items you use most often to your activity bar. The number of quick access menu items that can be pinned to the activity bar depends on the available space

To pin quick access menu items:

- 1 Select  or press the power key to open the quick access menu.
- 2 Select  on the bottom right of the menu.
- 3 Select any item with  to add to the activity bar.
- 4 Select Done to save your changes.

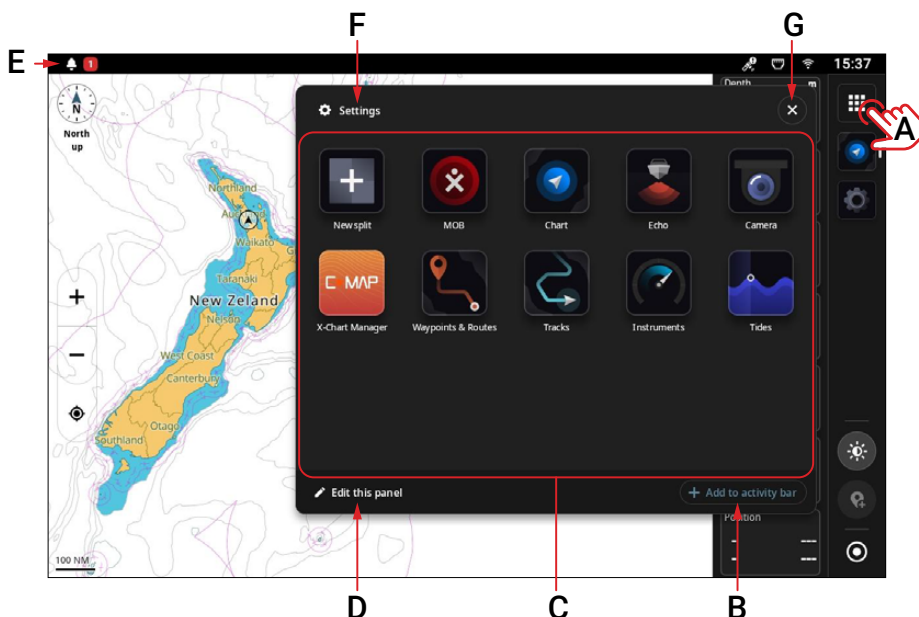
Unpin quick access menu items

To unpin an app, follow steps **1** and **2** above, then select any item with  to remove it from the activity bar.

→ **Note:** *If the activity bar has reached the maximum number of apps or quick access items, remove one or more items before adding new ones.*

App drawer

Select  to open/close the app drawer. You can access all apps and settings from the app drawer.



- A Select to show/hide the app drawer.
- B Add to activity bar — select to add/remove apps from the activity bar
- C Apps — a grid layout of all system and custom apps
 - **Note:** Application icons vary based on MFD features and connected equipment.
- D Edit this panel — select to show/hide apps and reorganise the location of apps in the app drawer.
- E Status bar — displays (but is not limited to) the current day and time, alerts, radar transmit status, vessel heading, GPS connection, Ethernet connection, Wi-Fi® connection, etc.
- F Settings — select to view MFD settings
- G Exit — select  to exit the app drawer and return to the last-used app
 - **Note:** Exit is disabled if there are no active apps.

APPS

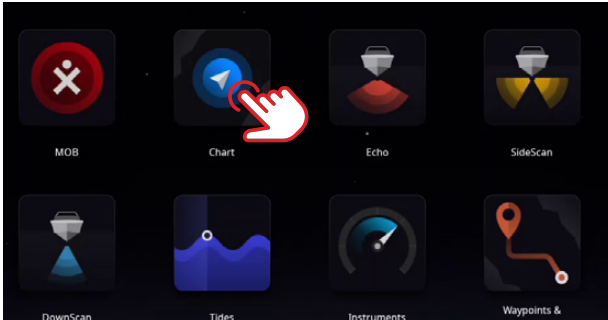
Apps provide access to specific features and functions. The available apps depend on your display unit and connected hardware.

For app-specific user guides, download the mobile app on your mobile device and connect it to your display unit, or visit: www.simrad-yachting.com or www.bandg.com.

→ **Note:** The app icons displayed on your unit may differ from those displayed below due to brand variations and software updates.

Open apps

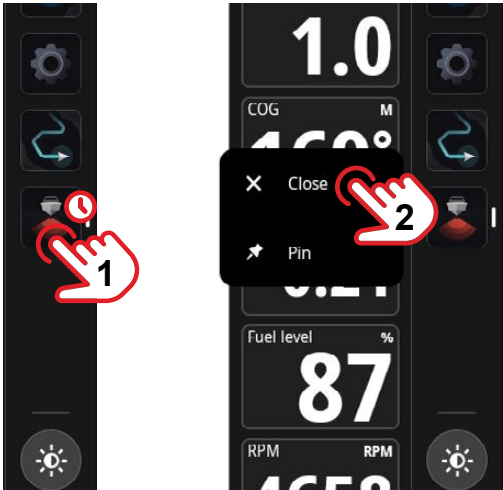
To open an app, select  to open the app drawer, then select the app icon from your app drawer. Alternatively, if the app is pinned or used recently, you can select it from the activity bar.



Close apps

To close an app, select and hold it in the activity bar and select **Close**.

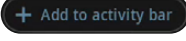
When you close an unpinned app, it does not appear on the activity bar. If you close a pinned app, it continues to show in the activity bar.



Pin apps

You can pin apps you use most often to your activity bar. Both individual apps and custom app splits can be pinned to the activity bar. A maximum of five items can be pinned to the activity bar but this number is reduced if you have quick access menu items pinned as well.

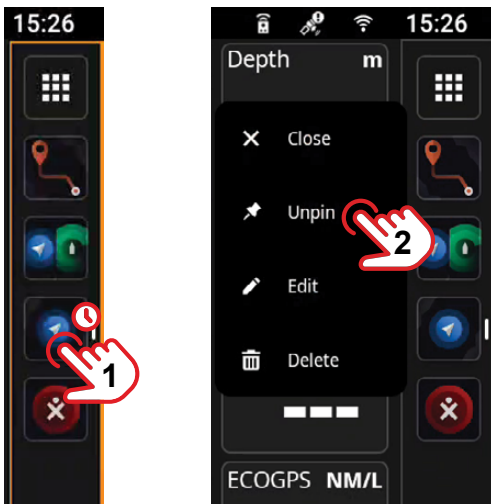
To pin apps:

- 1 Select  to open the app drawer.
- 2 Select  on the bottom right of the app drawer.
- 3 Select any app with  to add to the activity bar. The first app you pin will be added at the home app position .

→ **Note:** The app in the home position will open by default each time you restart the unit. The failsafe app is Chart.

Unpin apps

To unpin an app, complete steps **1** and **2** above, then select the app with  to remove it from the activity bar. Alternatively, select and hold an app on the activity bar, then select **Unpin**.



- **Note:** If the activity bar has reached the maximum number of apps or quick access items, remove one or more items before adding new ones.
- **Note:** **Edit** and **Delete** options are displayed in the above image because the action is being executed on a custom app split. Refer to the **Custom app splits** section on page 24 for more information.

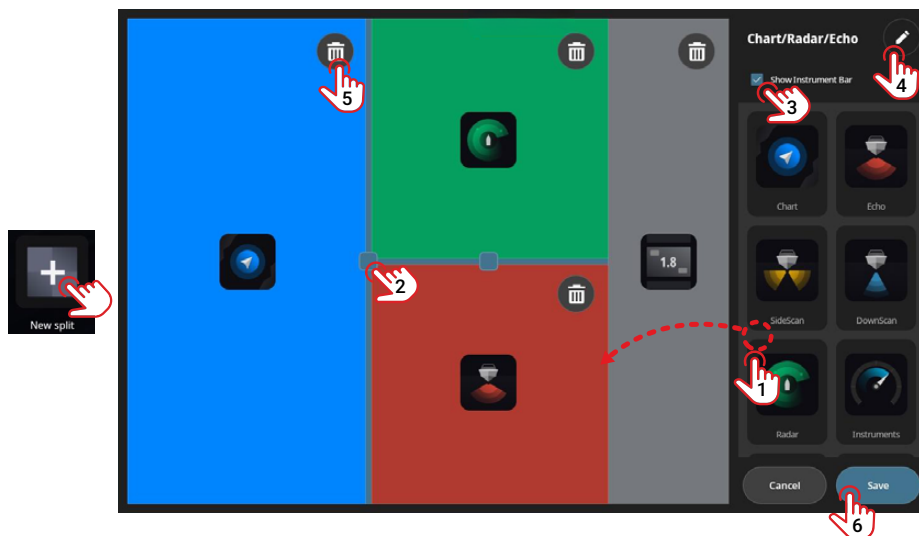
Custom app splits

When you split apps, you can view two or more apps at the same time.

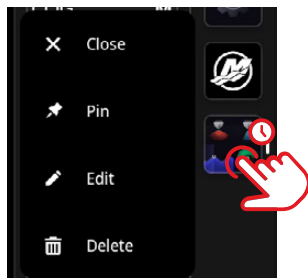
You can view more than one instance of the same app, such as two instances of the Chart app with different zoom levels, separate sonar frequencies, or dual radar ranges.

To create a new app split, select **New split** on the app drawer.

- 1 Drag and drop the desired apps onto your new app split.
- 2 Select the square handles and slide between the splits to adjust the size of the app.
- 3 Select the checkbox to show the instrument bar on the right side of the app split.
→ **Note:** *The instrument bar cannot be repositioned.*
- 4 Select the edit button to give the app split a unique name.
- 5 If necessary, select the trashcan icon to remove an app from the split.
- 6 Select **Save** when you finish. A new icon with the selected name appears in the app drawer.



To edit or delete an app split, select and hold its icon in your app drawer or activity bar and select **Edit** or **Delete**.



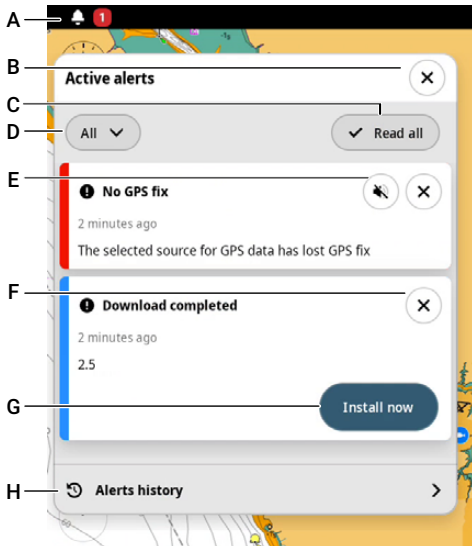
→ Notes:

- Some apps may have limitations when creating an app split, such as only allowing one instance of the app can be added.
- You can create a maximum of four app splits on NSX and Zeus S devices.
- A new custom app split cannot be created via the OP 55 controller.

ALERTS

The unit continuously monitors connected sensors and devices for alerts, system faults and environmental changes. Alerts display on the top left of your screen and can be configured by setting up rules.

To view a list of all your alert messages, select  then  on the quick access menu.



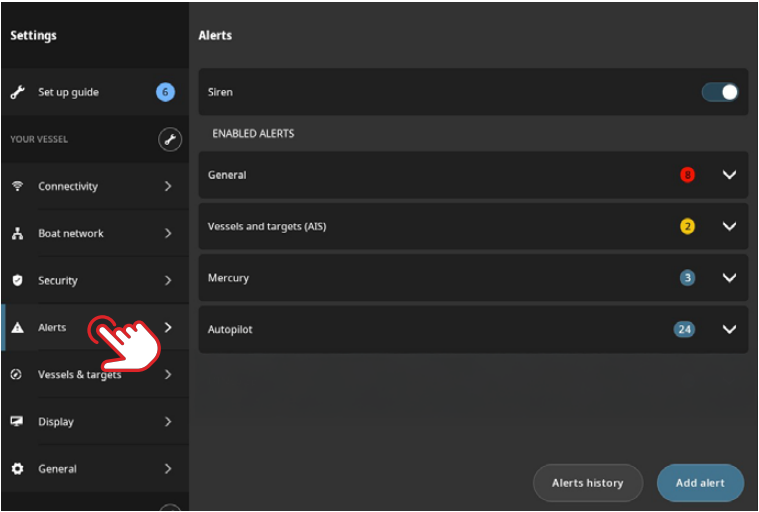
- A Unread alerts notification in status bar, the value in the red square indicates the number of unread alerts.
- B Select  to close the **Active alerts** panel.
→ **Note:** *Closing the **Active alerts** panel does not dismiss an active alert.*
- C Select **Read all** to mark all alerts as read.
- D Filter alerts by type, select **Alarm**, **Warning**, or **Notification**.
- E Mute the alert.
- F Dismiss an alert.
- G Take an action on the alert, the displayed action will vary based on the alert.
- H View **Alerts history**, here you can filter and also search for a historic alert.
→ **Note:** *The alerts list only displays alerts generated since the unit was last turned ON.*

When triggered, an alert rule generates one of the following message types:

- **Alarm** (red) — a message that stays on the screen until you mute it. If your system's siren is on, it is also accompanied by an audible alarm.
- **Warning** (amber) — a message that stays on the screen until you mute it.
- **Notification** (blue) — an informational message used to notify of a non-critical event e.g. software updates.

Manage alert rules

You can edit and delete default alert rules, or create your own, through the **Settings** menu. The **Alerts** panel allows you to apply one or more message types (notification, warning, or alarm) to each alert and set the value that triggers it. You can also delete your alerts history and turn on the unit's siren from this panel.



→ Notes:

- Turn on the siren for audible alarm alerts.
- When connected, external alarms will also be audible if an alarm alert is triggered.

CONTROLLERS

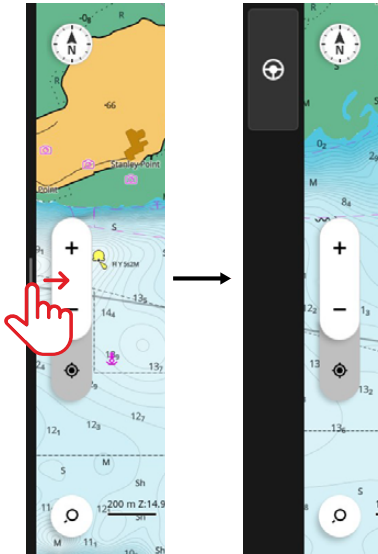
Controllers are vertical panels on your screen that allow you to remotely operate system devices, such as an autopilot or audio server. If these devices are installed, you can access their controllers from your unit's control bar. For detailed information about a controller, refer to its specific guide.

When connected, a controller displays for:

- Audio
- Autopilot
- Trolling motor
- CZone Digital switching
- Lenco trim tabs
- Lighting
- Power-Pole® anchors and trolling motor
- Mercury® engines (cruise and troll functions)
- Suzuki® engines (trim and troll functions)
- Yamaha® engines

Show control bar

To show the control bar, swipe in from the left edge of the screen.

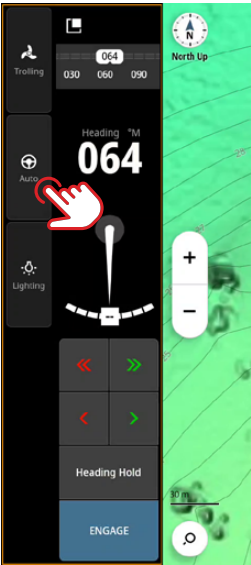


To hide the control bar, swipe out to the left of the screen.

➔ **Note:** Hiding the control bar gives you more space to display your apps. The control bar cannot be hidden if a controller is in use e.g. Autopilot.

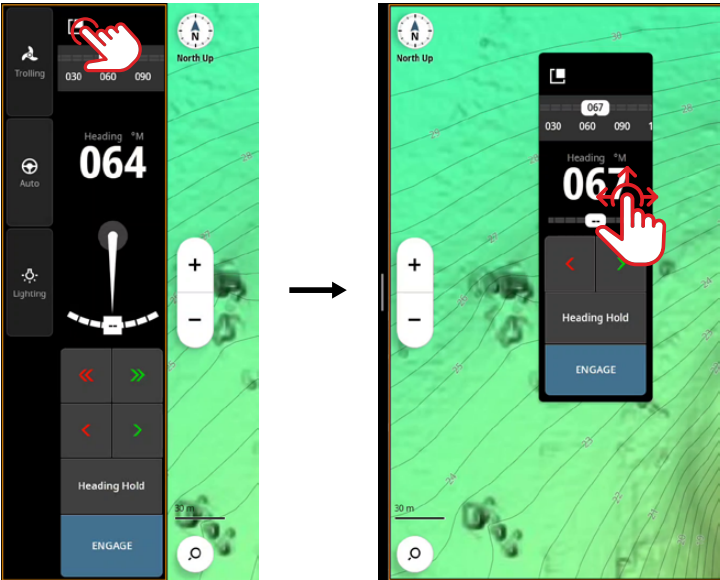
Open controller

To open a controller, select the controller button from the control bar. Re-select the controller button to close it.



Undock a controller

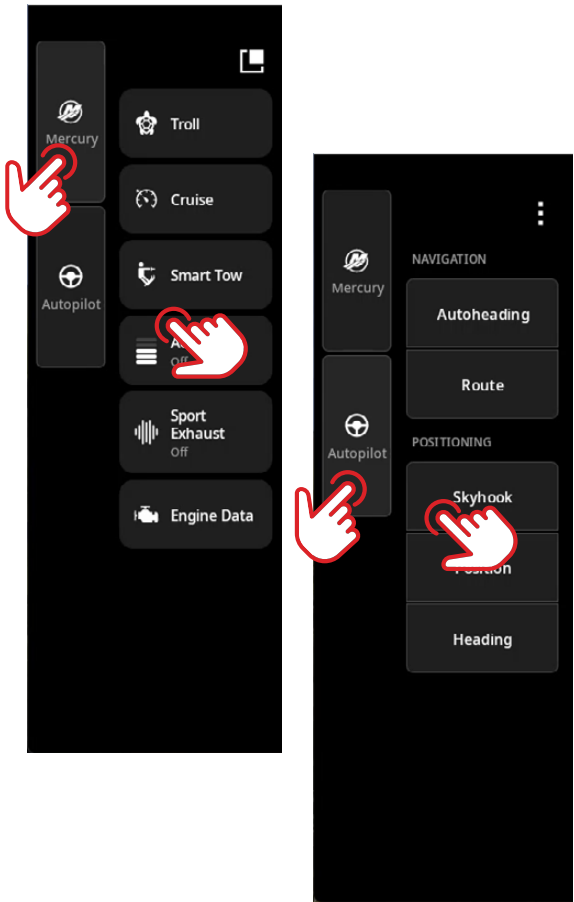
To undock a controller from the control bar, select  and drag the controller to a desired location on the screen. Select  again to dock the controller to the control bar.



Mercury controller

The Mercury controller is available when a Mercury SmartCraft Connect gateway is installed and commissioned on the vessel. Refer to the **Mercury App Guide** for more information about the Mercury app and controller.

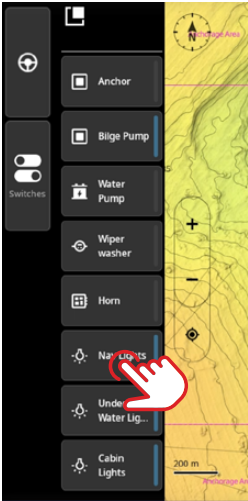
→ **Note:** Consult your Mercury SmartCraft Connect installer or refer to the Mercury product documentation.



Mercury SmartCraft Connect

CZone Digital switching

Controller



The control bar switches appear automatically when a CZone device is commissioned on the NMEA 2000® network.

Select a button to turn the device on or off.

→ **Note:** Refer to the CZone product documentation and configuration tool for guidance.

CZone app



The CZone app allows you to control various lights, pumps, and devices installed on your boat and configured on the CZone system. To display an overview of the boat and general position of the devices, contact your CZone technician.

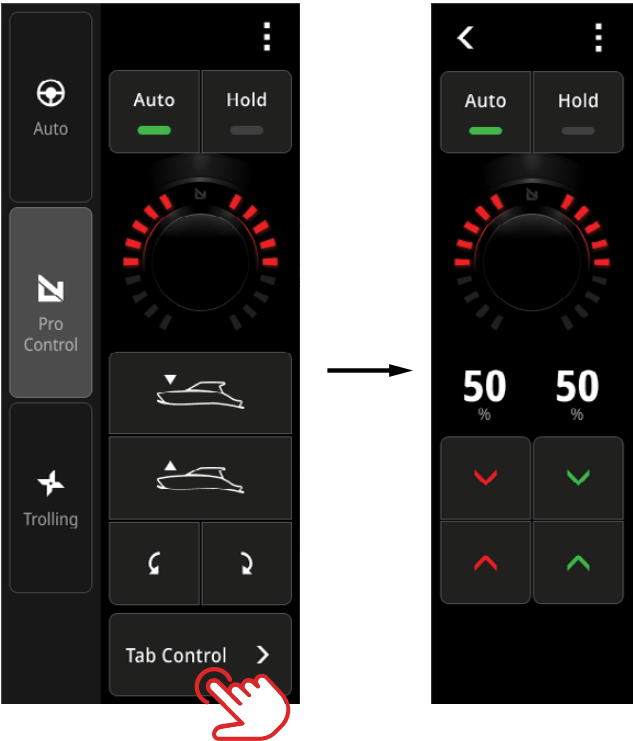


→ **Note:** Refer to the CZone product documentation for further information.

Lenco trim tab controller

The Lenco Pro Control trim tab controller displays when a compatible Lenco Pro Control trim tab system is connected.

The controller mimics the functions and behavior of a physical dash-mounted Pro Control Auto Keypad.

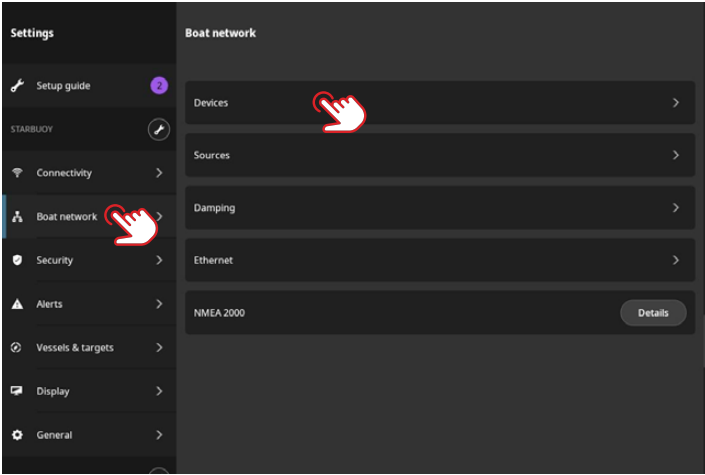


→ **Note:** Refer to the Lenco Pro Control product documentation for further information.

CONNECTED DEVICES

Configure connected devices

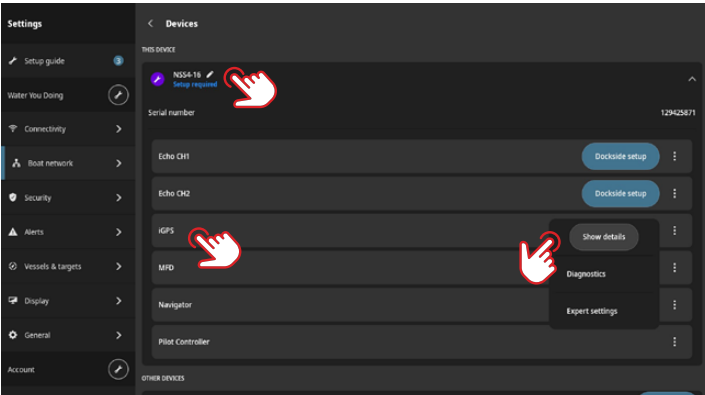
You can configure all internal and external devices and modules from the **Devices** list. You can access setup options, configuration options, and view details. Select the settings button from the app drawer or quick access menu, then **Boat network > Devices** to open the list.



➔ *Note: The configuration options available depend on the connected devices.*

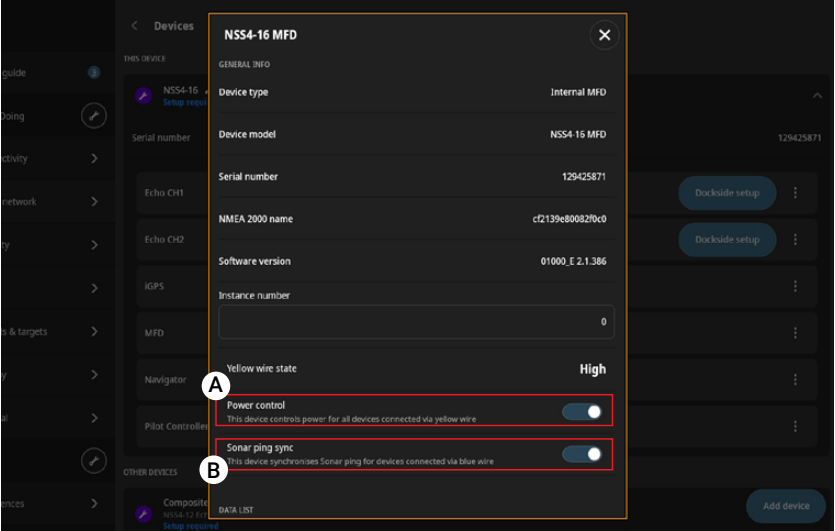
This device

Your display has several internal devices that can be configured in **This device**. To view your unit's internal GNSS antenna details, diagnostics, and expert settings, navigate to: **Settings > Devices > This device > iGPS**.



➔ *Note: NSO 4 and Zeus SRX devices do not have internal GNSS antennas or internal sonar.*

The power cable for your display unit has several functions that are controlled in: **Settings > Devices > This device > MFD**.



Power control

The yellow wire in the power cable controls how the unit is turned on and off. After connecting the yellow wire, go to the **Power control** setting (A).

If a unit is set to **Power control** on and is turned on using the power key, it sends voltage through the power bus. This powers on all other displays, regardless of their **Power control** setting.

If a unit is set to **Power control** off, it cannot be powered down using its own power key while a unit with **Power control** on is powered on. Pressing the power key will set the unit to standby. When all display units with **Power control** on are powered off, secondary units can be turned on and off using their own power key.

- ➔ *Note: NSX and Zeus S devices can be set as secondary devices only.*
- ➔ *Note: For more information, refer to the display unit's installation manual.*

Sonar ping sync

 This functionality applies only to NSS 4 with sonar.

You can use the blue wire in the power cable in one of two ways. After you connect the blue wire, go to **Sonar ping sync** (B).

- Turn **Sonar ping sync** on to use the blue wire to synchronize the transducer with other sonar devices.
- Turn **Sonar ping sync** off to use the blue wire to activate an external buzzer or siren when an audible alert is triggered.

To enable audible alerts, go to **Settings > Alerts > Siren**.

- ➔ *Note: For more information, refer to the transducer's installation manual.*

NETWORK SHARING

Your display has either:

- A yellow 5-pin 10/100 Ethernet port
- A yellow 5-pin 10/100 Ethernet port and an X-Coded M12 Gigabit Ethernet (GbE)

→ **Note:** *NSO 4 and Zeus SRX have four X-Coded M12 Gigabit Ethernet (GbE) ports*

The X-coded M12 Gigabit Ethernet (GbE) connector supports high-bandwidth applications and advanced sensors and devices. The GbE connector is compatible with yellow Ethernet devices via an optional adapter, but the GbE connector will transmit data at a lower rate.

Both Ethernet connectors share echosounder, radar, and chart app data between units. Refer to the respective app guides for details.

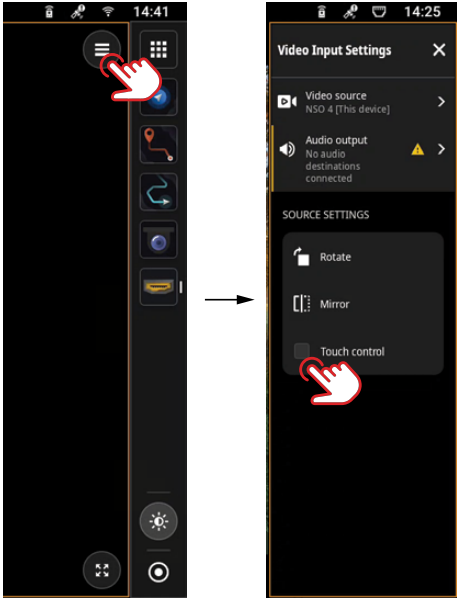
→ **Note:** *Use only one X-Coded M12 GbE or RJ45 to yellow 5-pin Ethernet adapter when connecting devices.*



VIDEO INPUT (TOUCH CONTROL)

 This functionality applies to NSO 4 and Zeus SRX only.

Use the **Video In** port to connect an external video source or a second multi-function display. If the external source is also connected through USB, you can control it from your display. To enable touch control, navigate to the **Video input app > Settings > Source settings** and turn on the **Touch control** option.



→ **Note:** Not all multi-function displays are supported, e.g. those from previous software versions or other brands.



- A Video out port
- B USB port

SIMULATION

The simulation feature lets you see how the unit works without being connected to sensors or other devices. Select the settings button from the app drawer or quick access menu, then **General > Simulation**.

Retail mode

In this mode, the system displays a retail demonstration for the selected region. If you operate the unit, the demonstration pauses. After a period of inactivity, the demonstration resumes.

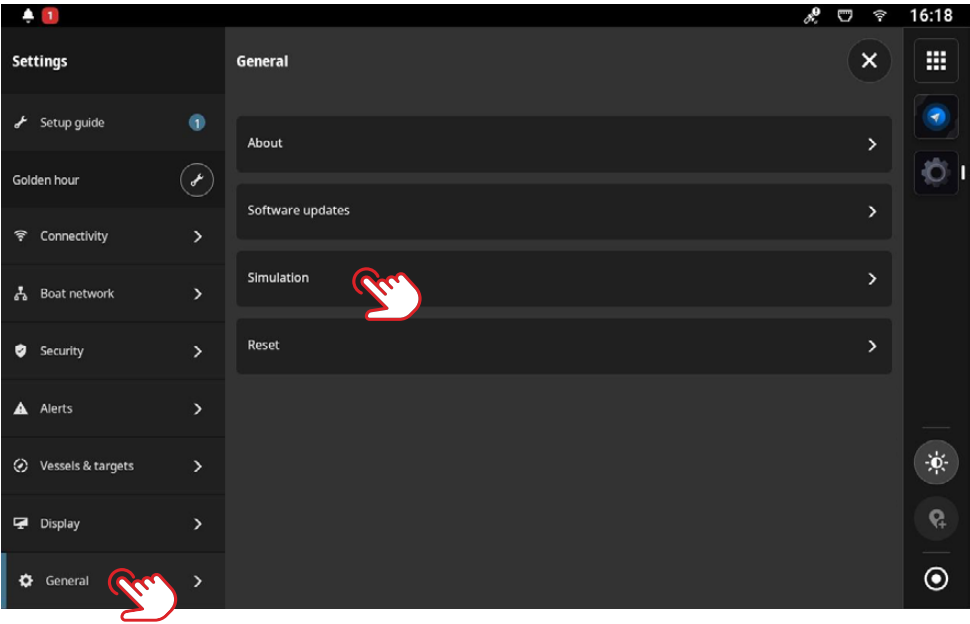
→ *Note: Retail mode is designed for retail/showroom demonstrations.*

Simulator source files

Select the data files used by the simulator. You can use preloaded data files, your own recorded log files, or log files from a connected storage device.

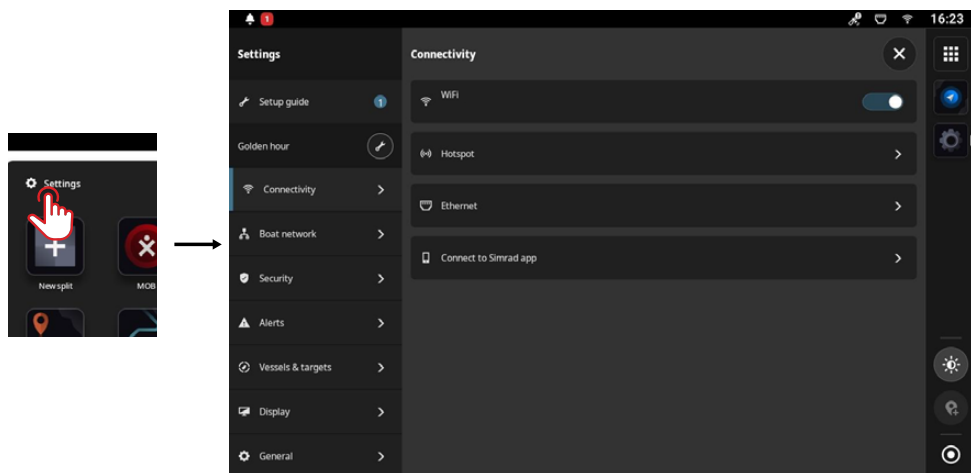
Advanced simulator settings

Use the advanced simulator settings to manually control the simulator.



SYSTEM SETTINGS

On the **Settings** screen, you can manage system settings and settings for connected devices.



Your vessel (the vessel's name)

Use this section to adjust vessel-specific settings. Most vessel settings are configured when you start the device for the first time.

→ **Note:** The unit displays **Your vessel** by default. The name updates after you enter a vessel name.

Connectivity

Use to connect the unit to a Wi-Fi® network, create a hotspot, manage Ethernet connection settings, or connect to the mobile app.

Hotspot

This display unit can simultaneously connect to the internet and be a hotspot for Wi-Fi® connections; for example, to connect another mobile device to the unit.

→ **Note:** Turn on the display unit's hotspot to connect directly to the Simrad® or B&G mobile app on your mobile device.

Ethernet

Unless the system is configured to use static IP addresses, set **DHCP** to **Auto**. After you change the setting, power cycle the system to assign a new IP address.

Boat network

Use to manage connected devices and adjust settings for connected devices like radar, sonar modules, and sensors.

Devices

Lists all internal and external devices and modules. You can access setup options, configuration options, and view details from the list.

Refer to the **Connected devices** section on page 32 of this guide.

Sources

Lists selected sources for various types of data. The system can perform an automatic source selection, or you can manually select sources.

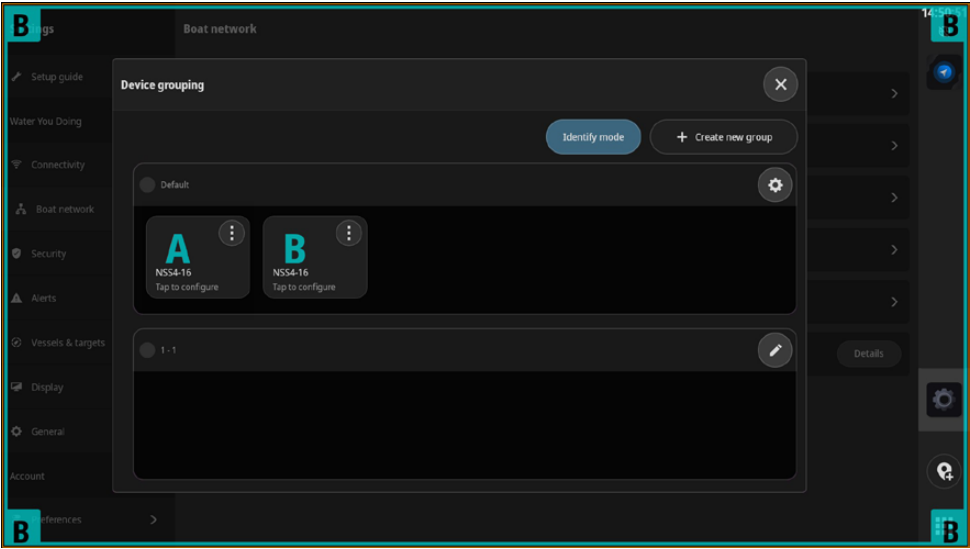
Damping

If data appears erratic or too sensitive, apply damping to stabilize the data.

→ **Note:** *Damping settings only affect the data on the unit where you apply them.*

Device grouping

Devices on the same NMEA 2000® network can be grouped to share the brightness and night mode controls. All displays start in the **Default** group, and you can create separate groups with independent controls.



NMEA 2000®

Provides NMEA 2000® bus information that can assist in troubleshooting.

Security

Set a 4-digit PIN to prevent unauthorized access to the unit. You must create a Simrad® or B&G account to set up a PIN.

The system prompts you to enter the PIN when you turn on the unit or resume operation from standby.

→ **Note:** *If you forget the PIN, use your Simrad® or B&G account credentials to unlock the unit. An internet connection is required.*

Alerts

Use to add, edit, and delete alerts. For more information, refer to the **Alerts** section on page 25 of this guide.

Vessels & targets

Use to manage settings that affect both AIS and radar targets.

Display

Use to manage additional display settings.

Display size

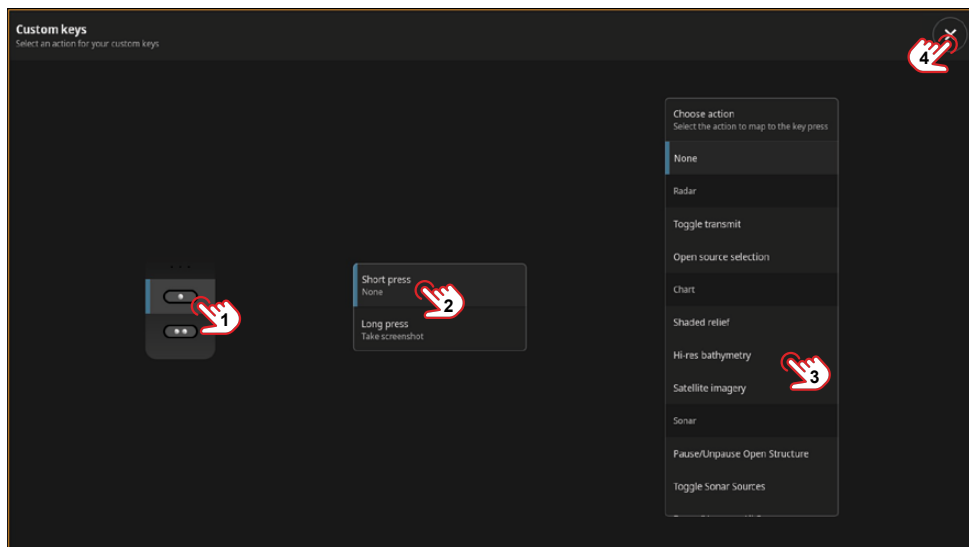
Adjust the interface scale to enlarge menus and text on your display unit.

Default theme

Change your unit's interface between a light or dark color theme.

Custom keys

i This functionality applies to NSS 4 and Zeus SR only.



The above settings screen is displayed when you first press the custom keys after the initial setup.

If you want to change the custom key functions later, navigate to **Settings > Display > Custom keys** to configure the key functions.

Set the custom key's short and long press actions.

- A** Select a custom key (1)
 - B** Select **Short press** (2) or **Long press**
 - C** Choose an action from the list (3)
 - D** Repeat for the other keys
 - E** Exit and save (4)
- **Note:** Available actions may change.

Show activity bar

Use to keep the activity bar on screen at all times.

Keypad and touch beeps

 This functionality applies to NSS 4 and Zeus SR only.

Select the volume of the audible beep when interacting with the keypad or touch screen. The default is **Normal**. You can change the volume to **OFF**, **Quiet**, **Normal**, or **Loud**.

General

Provides information about your display unit, software updates, device reset, create service reports, and related functions.

About

The build number represents the software version and the serial number uniquely identifies your device.

Account

Use to log in to your Simrad® or B&G account, backups, and more.

Preferences

Use to manage language and country, date and time, navigation, and units of measure preferences.

→ Notes:

- *It is important to keep your country setting up to date when traveling between countries.*
- *Refer to the Chart app guide for information about Navigation preferences.*

MAINTENANCE

Follow these guidelines to maintain your MFD and extend its service life.

Sun cover

Your MFD comes with a sun cover included in the box.

Whenever the unit is not in use, fit the sun cover to shield the display from direct sunlight and natural elements. This helps extend the service life of the display.

→ **Note:** *Remove the sun cover prior to powering on the display.*

Cleaning instructions

Your unit's display is treated with high-quality anti-reflection and anti-fingerprint coatings. With regular, gentle cleaning, you can maintain its clarity and durability.

- Avoid rubbing crystallized salt, sand, or dirt directly, as this can scratch the coatings.
- Use a soft microfiber or cotton cloth to clean the screen.
- Lightly spray with fresh water to dissolve salt residue before wiping dry with a micro-fiber or soft cotton cloth.
- Gently wipe the screen dry — do not apply pressure.
- To clean the housing, use warm water with a small amount of mild dish soap. Wipe dry with a soft cotton cloth.

→ **Note:**

- *Clean the display before you power on the unit. Do not touch the display while the unit powers on.*
- *Do not use abrasive cleaning products or products containing solvents (acetone, mineral turpentine, etc.), acid, ammonia, or alcohol as they can damage the display's optical coating and plastic housing.*
- *Do not apply grease, wax, or protective chemicals to the unit or connectors. These can degrade the materials and compromise performance.*
- *Do not use a jet or high-pressure wash.*

Check connectors

Push the connector plugs into the connector. If the connector plugs are equipped with a lock or a position key, ensure that it is in the correct position.

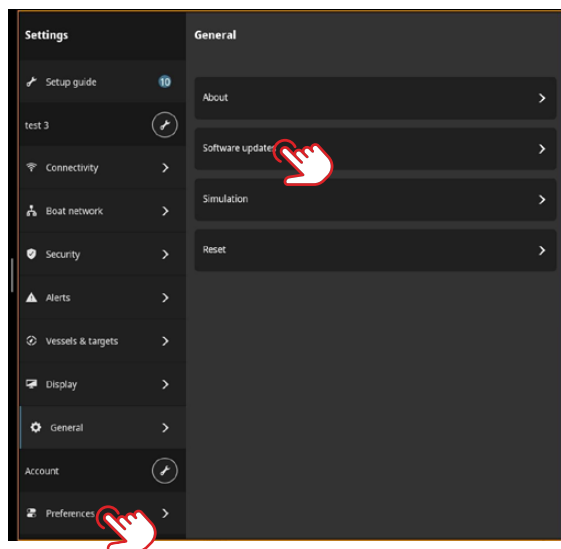
Update software

When connected to the internet, the unit automatically checks for software updates for itself and connected devices.

We recommend that you register your device and install the Simrad® or B&G mobile app on your mobile device. You can use the mobile app to update the unit software.

Alternatively, download software updates from the Simrad® / B&G website to a USB storage device or microSD® card, and then update the unit manually.

When you insert a microSD® card or USB storage device with a newer software version, the unit moves the files to the correct location and prompts you to confirm the update.



Service report

The display unit includes a built-in service assistant that creates a service report in .nif file format to support technical troubleshooting.

To create a report, select **Settings** from the app drawer or quick access menu, then select **General > About > Create service report**.

The report includes the unit's software version, serial number, and settings data. It can also include information about connected devices. You can attach screenshots and log files. If you have an existing support case, you can add the incident number to help with tracking.

→ **Note:** The total size of report attachments must not exceed 20 MB.

Save the report to an SD® card and send it to Simrad® or B&G support by email. You can also upload it directly if an internet connection is available.

Backup data

You can import and export waypoints, routes, and tracks to a microSD® card or USB storage device to back up data or transfer it to another unit. Refer to the **Waypoints & Routes** or **Tracks** app guide for instructions on importing and exporting data.

Supported file format

Backup data is created in the .USR, .GPX, and .NEON file formats. These files contain information such as waypoints, routes, and tracks, and are used for backups or to transfer data between devices.

This unit supports the export and import of v6 .USR files.

Data reset

Use the **Reset** option to restore your display unit to the factory default settings without removing boat-specific configurations as part of a boat builder config file.

→ **Note:** All personalized settings and content are deleted, including waypoints, routes, and tracks.

