LOWRANCE

Hook Reveal Series
Operator Manual

ENGLISH

www.lowrance.com

Preface

Disclaimer

As Navico is continuously improving this product, we retain the right to make changes to the product at any time which may not be reflected in this version of the manual. Please contact your nearest distributor if you require any further assistance.

It is the owner's sole responsibility to install and use the equipment in a manner that will not cause accidents, personal injury or property damage. The user of this product is solely responsible for observing maritime safety practices.

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Navico product references

This manual refers to the following Navico products:

- DownScan Imaging™ (DownScan)

- DownScan Overlay™ (Overlay)
- FishReveal™ (FishReveal)
- Genesis® (Genesis)
- StructureMap™ (StructureMap)

Copyright

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Warranty

The warranty card is supplied as a separate document. In case of any queries, refer to the brand website of your unit or system:

www.lowrance.com

Compliance statements

Declarations

The relevant declarations of conformity are available at:

www.lowrance.com

Europe

Navico declare under our sole responsibility that the product conforms with the requirements of:

- CE under RED 2014/53/EU

United States of America

⚠ Warning: The user is cautioned that any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Australia and New Zealand

Navico declare under our sole responsibility that the product conforms with the requirements of:

- level 2 devices of the Radiocommunications (Electromagnetic Compatibility) standard 2017

About this manual

This manual is a reference guide for operating a Hook Reveal Series unit. Because of size differences, screenshots of menus and dialogs may not match the look of your unit.

These units are only capable of the sonar views and frequencies indicated in the specification included in the transducer's installation guide for the transducer provided with the unit.

Transducers added via one of the optional transducer adapter cables will still only have the available views and frequencies that the display is designed to work with. Airmar transducers are not supported via the adapter cable.

In the manual, important text that requires special attention from the reader is emphasized as follows:

→ ***Note:*** Used to draw the reader's attention to a comment or some important information.

⚠ Warning: Used when it is necessary to warn personnel that they should proceed carefully to prevent risk of injury and/or damage to equipment/ personnel.

Manual version

This manual is written for the first version of software delivered with Hook Reveal Series. The manual is continually updated to match new software releases. The latest available manual version can be downloaded from www.lowrance.com.

The Software version

The software version currently on this unit can be found in the About dialog. The About dialog is available in the System Settings dialog.

For information regarding upgrading your software, refer to *"Software updates"* on page 78.

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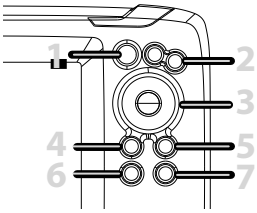
1 Introduction

Front controls



1 **Pages** - Press to activate the Home page.

2 **Zoom in/out** - Press to zoom the image.
Press both keys simultaneously to create a MOB (Man Over Board) waypoint at the vessel's position.

3 **Arrows** - On any full screen page: press to position the cursor on the image. Press to pan the image in any direction.
On multiple panel pages: press to select a panel.
In menus and dialogs: press to highlight an option.

4 **Exit (X)** - On a maximized multiple panel page: press to return to the multiple panel page.
In menus and dialogs: press to return to previous menu level and to exit a dialog.

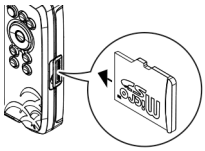
5 **Menu/Enter** - On any full screen page with no menu or dialog active: press to display the menu.
On multiple panel pages: press to maximize the current selected panel.
In menus and dialogs: press to confirm a selection.

6 **Cursor/Waypoint** - Press to activate/deactivate the cursor.
Press and hold to save a waypoint.

7 **Power** - Press to display the System Controls dialog.
Press and hold to power the unit on/off.

Micro SD card

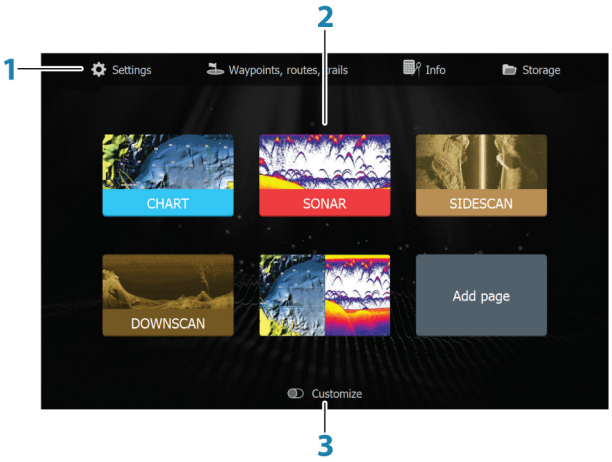
Depending on model the card reader is located either on the side or on the front.



The Home page

The Home page is accessed from any operation by a short press on the Pages key.

→ ***Note:*** Page icons on the Home page vary with model type.

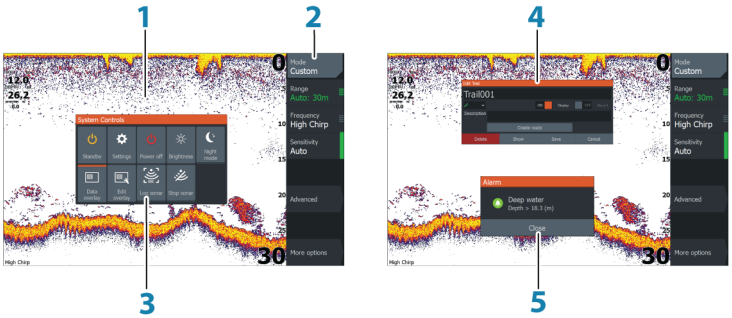


1 **Tools panel** - Select a button to access dialogs used for carrying out a task, or for browsing stored information.

2 **Application page icons** - Select a button to display the application page.

3 **Customize** - Activate customize mode to delete or modify custom pages.

Application pages



1 **Application panel**

2 **Menu** - Panel specific menu.

3 **System Controls dialog** - Quick access to basic system settings.

4 **Dialog** - Information to or input from the user.

5 **Alarm message** - Displayed if dangerous situations or system faults occur.

Each application connected to the system is presented on panels.

The application can be presented as a full page, or in combination with other panels in a multiple panel page.

All application pages are accessed from the Home page.

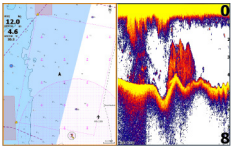
Custom pages

The system is delivered with one preconfigured custom page, and you can create your own. All custom pages can be modified and deleted. To add a custom page, refer to *"Adding new custom pages"* on page 20.

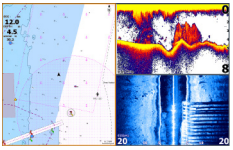
To edit or delete a custom page, refer to *"Edit or delete custom pages"* on page 21.

Multiple panel custom pages

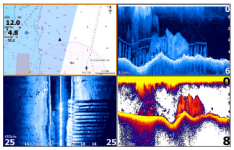
You can have up to 4 panels on a custom page. Refer to *"Adding new custom pages"* on page 20.



2 panels page



3 panels page



4 panels page

Panel sizes in a multiple panel page can be adjusted from the System Controls dialog. Refer to *"Adjusting the split on multiple panel pages"* on page 21.

- With the cursor not active on any panel, switch active panel by using the Arrow keys. An active panel is indicated with an orange border.
- Maximize the active panel by pressing the Menu/Enter key. Press the Exit (X) key to go back to the multiple panel page.
- To display the panel menu, it must first be maximized. Once maximized, press the Menu/Enter key (again) to display the menu for the maximized pane. Press the Exit (X) key to close the menu, press the Exit (X) key again to go back to the multiple panel page.
- Activate the cursor on the active or maximized panel by pressing the Cursor/Waypoint key, then use the Arrow keys to position the cursor. Press the Cursor/Waypoint key again to remove the cursor.

Device registration

You are prompted to register your device during startup. You can also register by selecting the register option in the System settings dialog. Registration can be done:

- From a smart device with internet access
- Over the phone

2 Basic operation

Turning the system on and off

The system is turned on by pressing the Power key.

Press and hold the Power key to turn the unit off.

If the key is released before the shut-down is completed, the power off process is cancelled.

You can also turn the unit off from the System Controls dialog.

First time startup

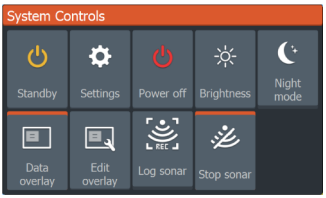
When the unit is started for the first time, or after a reset, the unit displays a series of dialogs. Respond to the dialog prompts to make fundamental settings.

You can perform further setup and later change settings using the system settings dialogs.

System Controls dialog

The System Controls dialog provides quick access to basic system settings. You display the dialog by making a short press on the Power key.

The icons displayed on the dialog can vary. For example, the adjust splits option is only available if you are viewing a multiple panel page when you open the System Controls dialog.



Activating functions

Select the icon of the function you want to set or toggle on or off. For those functions that toggle on and off, an orange bar across the top of the icon indicates the function is activated, as shown in the Data overlay icon above.

Standby mode

In Standby mode, the Sonar and the backlight for the screen are turned off to save power. The system continues to run in the background.

You select Standby mode from the System Controls dialog.

Switch from Standby mode to normal operation by a short press on the Power key.

Display illumination

Brightness

You can cycle the preset backlight levels by short presses on the Power key.

The display backlighting can also be adjusted from the System Controls dialog.

Night mode

The night mode can be activated from the System Controls dialog.

The night mode option optimizes the color palette for low light conditions.

Using menus and dialogs

Menus

The menu is used to operate the system and to adjust settings.

Press the Menu/Enter key to display the page menu. Press the Menu/Enter key again to close the menu.

Use the Arrow keys to highlight a menu option, then press the Menu/Enter key to confirm the selection.

Scroll bars - activate the scroll bar in the menu and use the Arrow keys to adjust it. Press the Menu/Enter key to save your adjustment.

The status of the cursor (active vs. inactive) changes the menu options.

Dialog boxes

Use the Arrow keys to highlight a dialog option, then press the Menu/Enter key to confirm the selection.

Numeric and alphanumeric keyboards are automatically displayed when required for entering user information in dialogs.

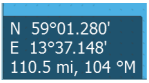
A dialog is closed by saving or cancelling the entry. A dialog can also be closed by pressing the Exit (X) key.

Using the cursor on the panel

The cursor can be used to mark a position, and to select items.

By default, the cursor is not shown on the panel.

Display the cursor by pressing the Cursor/Waypoint key and use the Arrow keys to move the cursor on the panel.



When the cursor is active on the chart panel, the cursor position window is displayed. The bottom line of the window shows the distance and heading from the vessel to the cursor.

When the cursor is active on the sonar panel, the window also shows the depth and temperature at the cursor.

To remove the cursor and cursor elements from the panel, press the Cursor/Waypoint key.

Man Overboard waypoint

If an emergency situation should occur, you can save a Man Overboard (MOB) waypoint at the vessel's current position.

Create a MOB

To create a Man Overboard (MOB) waypoint:

- Simultaneously press the Zoom In (+) and Zoom out (-) keys

When you activate the MOB function, the following actions are automatically performed:

- A MOB waypoint is created at the vessel's position
- The display switches to a zoomed chart panel, centered on the vessel's position
- The system displays navigation information back to the MOB waypoint

Multiple MOB waypoints can be created. The vessel continues to show navigation information to the initial MOB waypoint. Navigation to subsequent MOB waypoints needs to be done manually.

Delete a MOB

A MOB waypoint can be deleted from the menu when the MOB is activated.

Stop navigating to MOB

The system continues to display navigational information towards the MOB waypoint until you cancel the navigation from the menu.

Screen capture

To take a screen capture:

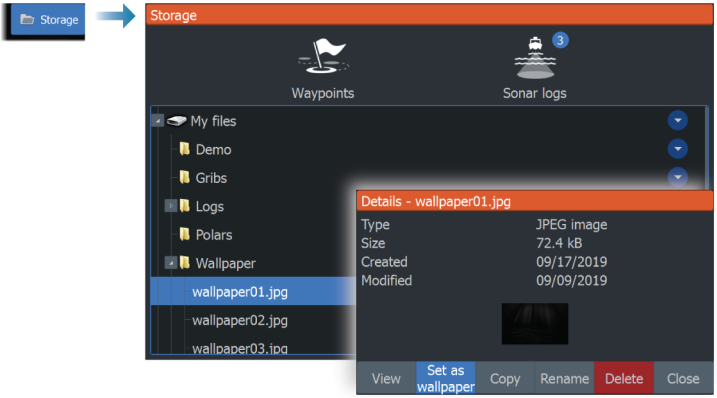
- Simultaneously press the pages key and the power key

3 Customizing your system

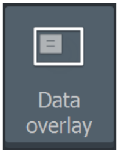
Customizing the Home page wallpaper

The Home page's wallpaper can be customized. You can select one of the pictures included with the system, or you can use your own picture in .jpg or .png format.

The images can be available on any location that can be seen in the files browser. When a picture is chosen as the wallpaper, it is automatically copied to the Wallpaper folder.



Data overlay

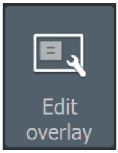


You can have data information as overlay on a page.

Turning Data overlay on and off

You can turn overlay data on or off for any active page by selecting the Data overlay icon on the System Controls dialog. When Data overlay is on, an orange bar appears above the icon.

Edit overlay data



Use the Edit overlay option on the System Controls dialog to access edit menu options to:

- Add a new data overlay to the active panel.
- Delete a selected data overlay.
- Change a selected data overlay to display different data.

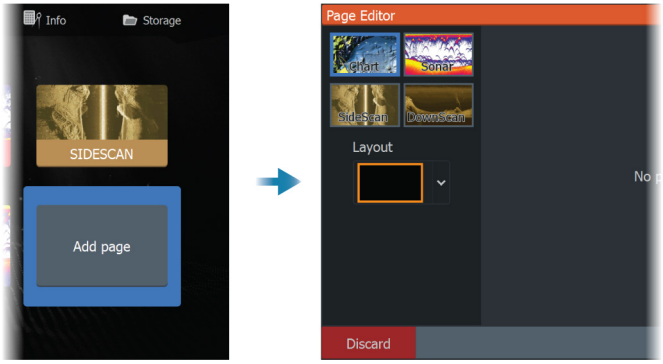
- Configure a selected data overlay appearance (digital or analog, size, etc.).
- Re-locate an item by selecting it and then the Move menu option. Use the Arrow keys to move selected item.

Custom pages

Adding new custom pages

A maximum of 9 pages are allowed. You can have up to 4 panels on a custom page.

1. Select the add page icon on the Home page to open the page editor dialog



2. Use the Arrow keys to highlight a panel, then press the Menu/Enter key. The panel is added to the page.
3. (Optional) Repeat step 2 to add additional panels. A maximum of 4 panels are allowed.
   - To change the layout: use the Arrow keys to select the layout option. Use this option to specify how you want the panels displayed.
   - To remove a panel: use the Arrow keys to select the pane on the right side of the dialog and to highlight the delete (X) icon in the top right corner of the panel. Press the Menu/Enter key. The panel is removed from the pane on the right side of the dialog.
   - To move a panel: use the Arrow keys to select the pane on the right side of the dialog and to highlight the arrows icon in the top left corner of the panel you want to move. Press the Menu/Enter key. A larger arrows icon is displayed. Use the

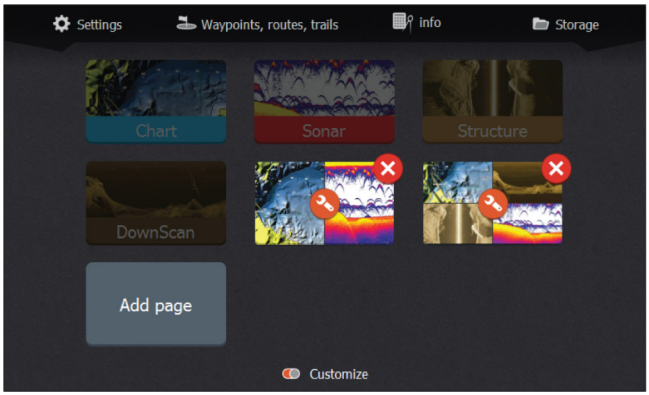
Arrow keys to move the highlighted panel. Press the Menu/ Enter key to save your adjustment.

4. Save the page layout.

The system displays the new custom page, and an icon for the new page is included on the Home page.

Edit or delete custom pages

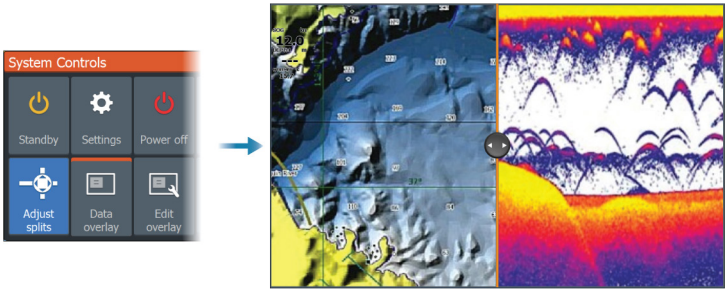
1. On the Home page, use the Arrow keys to highlight the customize option and press the Enter/Menu key to turn ON the customize option.



2. Use the Arrow keys to:
   - Select the X option on a custom page icon, and press the Menu/Enter key to remove the page
   - Select the tool option on a custom page icon, and press the Menu/Enter key to display the page editor dialog
3. Change the layout, add, and remove panels using the custom page editor dialog. Refer to Step 3 in *"Adding new custom pages"* on page 20.
4. Save or discard your changes to leave edit mode.

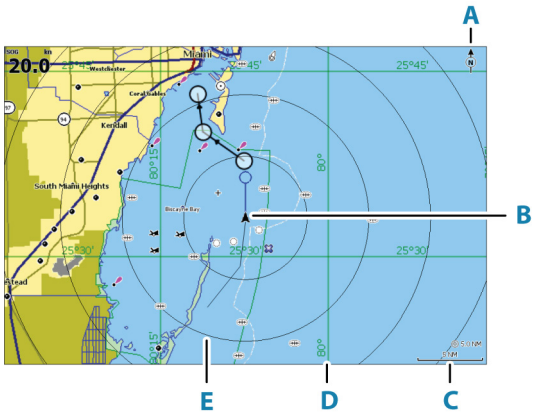
Adjusting the split on multiple panel pages

Open the multiple panel page
Quick-press the Power key to open the System Controls dialog
Select the "djust splits option. The cursor arrows icon appears on the multiple panel page.
Use the Arrow keys to move the split to the desired position
Press the Menu/Enter key to save the split adjustment.


System Controls
Standby
Settings
Power off
Adjust splits
Data overlay
Edit overlay

4 Charts

The Chart panel



A North indicator

B Vessel

C Chart range scale

D Grid lines*

E Range rings*

* Optional chart items. Optional chart items can be turned on/off individually from the chart settings dialog.

Chart data

The system can be delivered with preloaded cartography.

For a full selection of supported charts, visit the product web site.

→ ***Note:*** Chart menu options vary depending on the chart you are using.

→ ***Note:*** The system does not automatically switch to preloaded cartography if the chart card is removed. A low-resolution chart will be displayed until you re-insert the card or manually switch back to the preloaded cartography.

Selecting chart type

You specify the chart type shown on the Chart panel by selecting one of the available chart types in the chart settings dialog. Refer to *"Chart settings"* on page 33.

Vessel symbol

When the system has a valid GPS position lock, the vessel symbol indicates vessel position. If no GPS position is available, the vessel symbol includes a question mark.

Chart scale

You zoom in and out on the chart by using the Zoom keys.

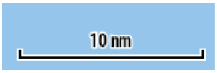


Chart range scale and range rings interval (when turned on) are shown in the lower right corner of the chart panel.

Panning the chart

You can move the chart in any direction by using the Arrow keys to move the cursor to the edge of the chart panel in the desired direction.

To remove the cursor and cursor elements from the panel, press the Cursor/Waypoint key. This also centers the chart to the vessel position.

Waypoints, Routes, and Trails

You can position and manage waypoints, routes and trails on the page. For more information, refer to *"Waypoints, routes, and trails"* on page 35.

Navigating

You can use the page for navigating to the cursor, to a waypoint, or navigate a route. Refer to *"Navigating"* on page 44.

Displaying information about chart items

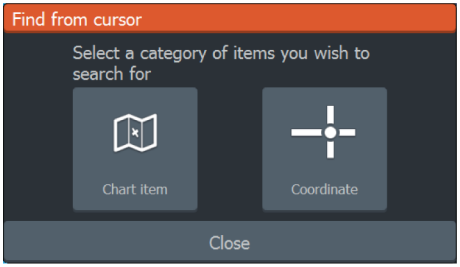
When you position the cursor over a chart item, waypoint, trail or a route, basic information for the selected item is displayed as a pop-up.

➔ ***Note:*** Pop-up information has to be enabled in chart settings to see basic item information.

Select the info option in the menu to display a list of items near the cursor. Select an item in the list to display all available information for that item.

Find objects on chart panels

Select the find menu option to search for chart items.



More options

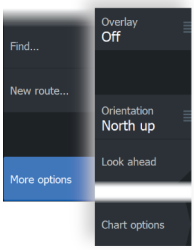


Chart overlay

You can add overlays on the chart panel.

When an overlay is selected, the chart menu expands to include basic menu options for the selected overlay.

Information about the overlay menu options are described in more detail below or in their separate sections in this manual.

Structure overlay

Structure (StructureMap) information can be displayed as overlay on your chart panel.

➔ ***Note:*** Structure overlay (StructureMap) is only available on TripleShot models that have SideScan capability.

When Structure overlay is selected, the chart menu expands to include basic menu functions for the overlay. Refer to *"StructureMap"* on page 68.

Genesis live

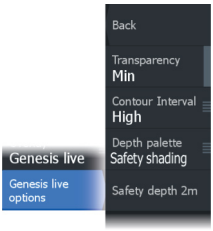
➔ ***Note:*** Only available when viewing Lowrance or C-MAP chart source.

Genesis live is a real-time feature where the unit creates an overlay of depth contour mapping based on live sonar soundings. The Genesis live sonar soundings are recorded onto and viewed from the unit's memory card.

If at any time the memory card is removed or runs out of space, the feature will turn itself off and the option is disabled in the menu.

- The more passes of an area included in the live sonar soundings log, results in better Genesis live maps.
- Genesis live is accurate up to 20 knots.

➔ ***Note:*** Genesis Live data is not adjusted for tidal offset.



Transparency

Adjusts the transparency of the overlay.

Contour interval

Defines the density of live depth contours shown.

Depth palette

Controls the color palette used to color the depth areas.

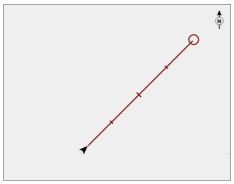
- Chart sync – syncs the Genesis live layer to the same palette as the chart depth palette defined in the chart menu (under Chart options, View, Depth palette). This option also allows custom palettes to be defined in the chart menu and applied to the Genesis layer.
- Navigation – uses the navigation palette.
- Depth shading – uses the depth shading palette.
- Paper chart – uses the paper chart palette.
- Safety shading – uses the safety depth setting to shade the color lower than the set safety depth. Also enables the Safety depth option on the Genesis live menu.

Safety depth

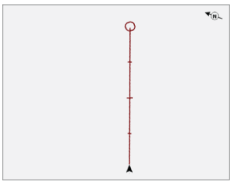
Sets the safety depth. Areas that are shallower than the safe minimum depth are shaded. This option is only available if the Safety shading palette is selected.

Chart orientation

You can specify how the chart is rotated in the panel. The chart orientation symbol in the panel's upper right corner indicates the north direction.



North up



Course up

North up

Displays the chart with north upward.

Course up

The chart direction is depending on if navigating or not:

- when navigating: the desired course line is oriented up
- if not navigating: the direction the vessel is actually traveling (COG) is oriented up

Look ahead

Moves the vessel icon on the panel to maximize your view ahead of the vessel.

C-MAP charts

All possible menu options for C-MAP charts are described below. The features and menu options available can vary depending on the charts you use. This section shows menus from a C-MAP chart.

→ ***Note:*** A menu option is greyed out if the feature is not available on the chart displayed.

C-MAP specific chart options

Chart detail

- Full - displays all available information for the chart in use.
- Medium - displays minimum information sufficient for navigation.
- Low - displays basic level of information that cannot be removed, and includes information that is required in all geographic areas. It is not intended to be sufficient for safe navigation.

Genesis Layer

The Genesis Layer displays high-resolution contours contributed by Genesis users that have passed a quality check.

This option toggles the Genesis layer on/off on the chart image.

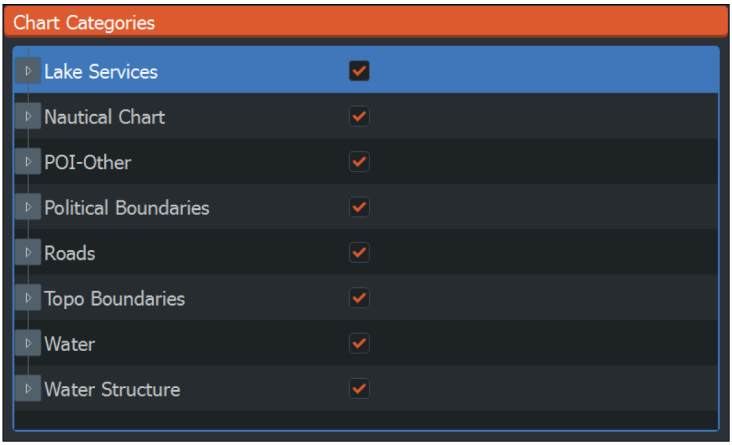
Available only if the C-MAP chart contains Genesis Layer data.

Depth palette
Controls the Depth palette used on the map.

Depth filter
Filters out depth values shallower than the selected depth filter limit.

Safety depth
Charts use different shades of blue to distinguish between shallow (lighter shades) and deep (darker shades) water. After enabling the safety shading depth palette, specify the desired safety depth limit. The Safety depth sets the limit at which depths will be drawn without blue shading.

Chart categories
Several categories and sub-categories are included. You can turn on/off the categories individually depending on which information you want to see.



Navionics charts

Some Navionics features require the most current data from Navionics. For those features, a message is displayed stating that the feature is unavailable if you do not have the appropriate Navionics charts or chart card inserted. For more information on what is required for these features, refer to www.navionics.com.

You can also get a message if you try to use a restricted feature when the Navionics chart card is not activated. To activate the card, contact Navionics.

Navionics specific chart options

Chart overlay, orientation, and look ahead options (previously described in this section) are common to both C-MAP and Navionics charts. The following describe Navionics specific chart options.

Community edits

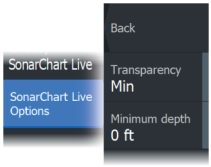
Toggles on the chart layer including Navionics edits. These are user information or edits uploaded to Navionics Community by users, and made available in Navionics charts.

For more information, refer to Navionics information included with your chart, or to Navionics website: www.navionics.com.

SonarChart

The system supports the Navionics SonarChart feature.

SonarChart displays a bathymetry map showing high resolution contour detail and standard navigational data. For more information, refer to www.navionics.com.



SonarChart Live

SonarChart Live is a real-time feature where the device creates an overlay of depth contours based on your own live sonar soundings.

When you select SonarChart Live overlay the menu expands to display SonarChart Live options.

Transparency

The SonarChart Live overlay is drawn on top of other chart data. The chart data is completely covered at minimum transparency. Adjust the transparency to allow the chart details to be seen.

Minimum depth

Adjusts what SonarChart Live rendering treats as the safety depth. This affects the coloring of the SonarChart Live area. As the vessel approaches the safety depth, the SonarChart Live area will gradually change from a simple grey/white to red.

SCL History

Select to display previously recorded data on the chart overlay.

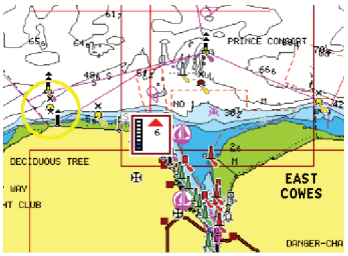
SC Density

Controls the density of the SonarChart and SonarChart Live contours.

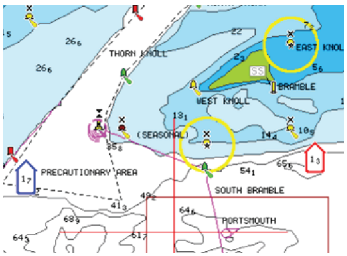
Navionics Dynamic tides and current icons

Shows tides and currents with a gauge and an arrow instead of the diamond icons used for static tides and current information.

The tide and current data available in Navionics charts are related to a specific date and time. The system animates the arrows and/or gauges to show the tides and currents evolution over time.



Dynamic tide information



Dynamic current information

The following icons and symbology are used:

Current speed

The arrow length depends on the rate, and the symbol is rotated according to flow direction. Flow rate is shown inside the arrow symbol. The red symbol is used when current speed is increasing, and the blue symbol is used when current speed is decreasing.

Tide height

The gauge has 8 labels and is set according to absolute max/min value of the evaluated day. The red arrow is used when tide is rising, and the blue arrow is used when tide is falling.

→ ***Note:*** All numeric values are shown in the relevant system units (unit of measurement) set by user.

Easy View

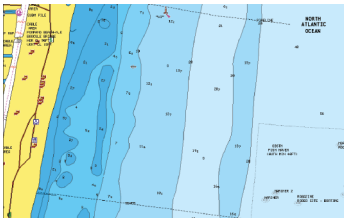
Magnifying feature that increases the size of chart items and text.

➔ ***Note:*** There is no indication on the chart showing that this feature is active.

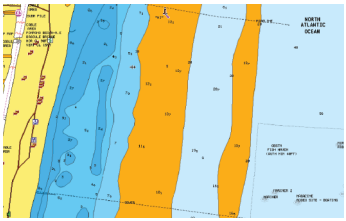
Fishing range

Select a range of depths between which Navionics fills with a different color.

This allows you to highlight a specific range of depths for fishing purposes. The range is only as accurate as the underlying chart data, meaning that if the chart only contains 5 meter intervals for contour lines, the shading is rounded to the nearest available contour line.



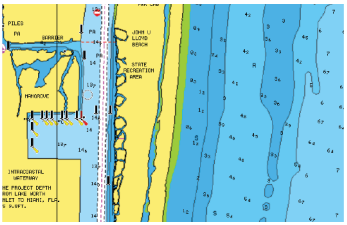
No Depth highlight range



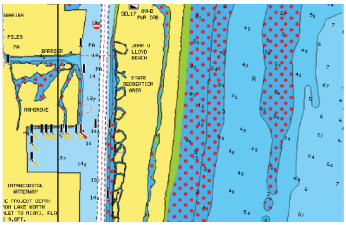
Depth highlight range: 6 m - 12 m

Shallow water highlight

This highlights areas of shallow water between 0 and the selected depth (up to 10 meters/30 feet).



No shallow water highlighted



Shallow water highlight: 0 m - 3 m

Presentation type

Displays marine charting information such as symbols, colors of the navigation chart and wording for either International or U.S. presentation types.

Safety depth

The Navionics charts use different shades of blue to distinguish between shallow and deep water.

Safety depth, based on a selected limit, is drawn without blue shading.

→ ***Note:*** The built in Navionics database features data down to 20 m, after which it is all white.

Chart details

Provides you with different levels of geographical layer information.

Chart settings

Select the settings option in the System Controls dialog to access the chart settings dialog.

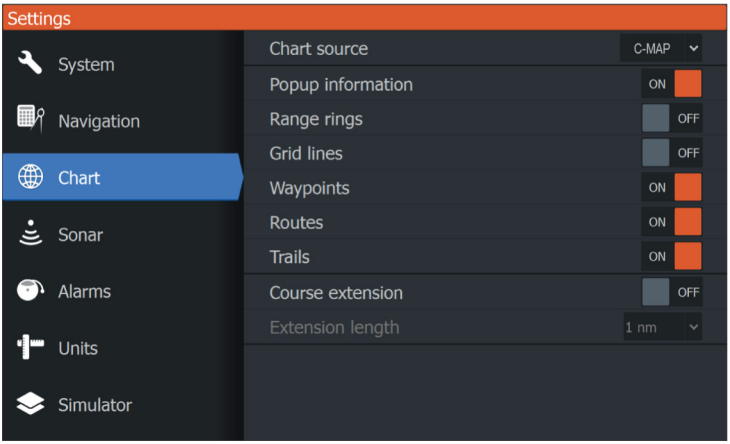


Chart source

Change chart source if a chart card is inserted.

Pop-up information

Determines whether basic information for panel items is displayed when you select the item.

Range rings

The range rings can be used to present the distance from your vessel to other panel objects.

The range scale is set automatically by the system to suit the panel scale.

Grid lines

Turns on/off viewing of longitude and latitude grid lines on the panel.

Waypoints, Routes, Trails

Turns on/off displaying these items on panels.

Course extension line

Turns on/off displaying the Course Over Ground (COG) extension line on the panel. The COG is based on information from the GPS.

Extension line length

When the course extension option is turned on, specify the length of the line to be displayed.

SonarChart Live tide correction

When selected, the tide correction feature uses information from nearby tide stations (if available) to adjust the depth values used by SonarChart Live as the sonar is recorded.

5

Waypoints, routes, trails

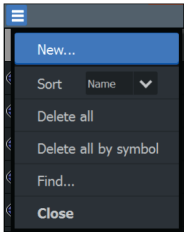
Waypoints, routes, and trails

Waypoints, Routes, and Trails dialogs

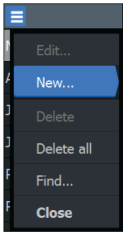
The Waypoints, Routes, and Trails dialogs give access to advanced edit functions and settings for these items.

The dialogs are accessed from the Tools panel on the Home page.

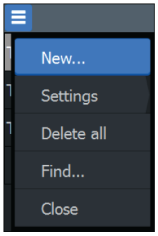
Select the menu icon on the dialog to access additional options.



Waypoint options



Routes options



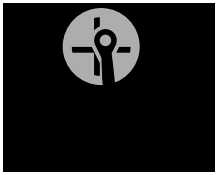
Trails options

Waypoints

A waypoint is a user generated mark positioned on the chart panel.

Each waypoint has an exact position with latitude and longitude coordinates. A waypoint is used to mark a position you later may want to return to. Two or more waypoints can also be combined to create a route.

Saving waypoints



Press and hold the Cursor/Waypoint key to save a new waypoint.

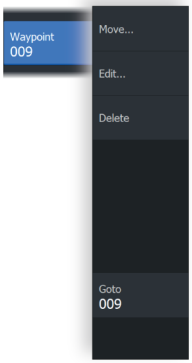
- With cursor inactive, the waypoint is placed at the vessel's position
- With cursor active, the waypoint is placed at the cursor position

Moving a waypoint

1. Press the Cursor/Waypoint key.
2. Maneuver the cursor so it is over the waypoint
3. Activate the menu and select the waypoint in the menu. The menu expands to include the move option.
4. Select the move option in the menu
5. Use the Arrow keys to move the waypoint to the new position
6. Press the Menu/Enter key.

The waypoint is saved at the new position.

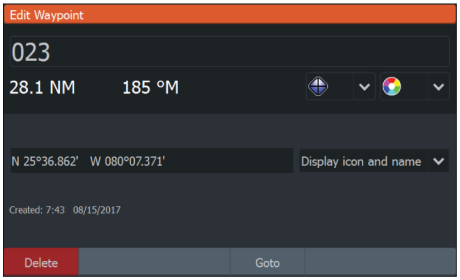
Edit a waypoint



You can edit all information about a waypoint from the Edit Waypoint dialog.

The dialog is activated by positioning the cursor over the waypoint, selecting the waypoint in the menu, and then the Edit menu option.

The dialog can also be accessed by activating the Waypoints, Routes, Trails dialog on the tools panel on the Home page. Select the Waypoints tab and then the waypoint you want to edit.



Delete a waypoint

You can delete a waypoint from the Edit Waypoint dialog or by selecting the Delete menu option when the waypoint is activated.

The Edit Waypoint dialog is activated by positioning the cursor over the waypoint, selecting the waypoint in the menu, and then the delete menu option.

The Edit Waypoint dialog can also be accessed by activating the Waypoints, Routes, Trails dialog on the tools panel on the Home page. Select the Waypoints tab, the waypoint you want to delete and then the delete option.

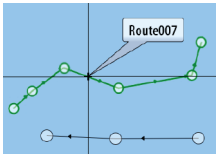
You can delete MOB waypoints the same way.

Waypoint alarm settings

You can set an alarm radius for each individual waypoint you create. The alarm is set in the **Edit Waypoint** dialog.

→ ***Note:*** The waypoint radius alarm must be toggled ON in the alarm dialog to activate an alarm when your vessel comes within the defined radius. For more information, refer to *"Alarms dialog"* on page 72.

Routes



A route consists of a series of routepoints entered in the order that you want to navigate them.

When you select a route on the panel it turns green, and the route name is displayed.

Creating a new route on the page

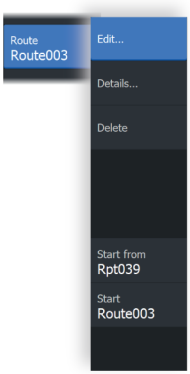
1. Select the new route option from the menu
2. Press the Cursor/Waypoint key to activate the cursor on the panel
3. Use the Arrow keys to position the cursor at the first routepoint on the panel
4. Press the Menu/Enter key to create the routepoint
5. Repeat steps 3 and 4 to continue positioning new routepoints on the panel until the route is completed
6. Press the Exit (X) key when completed and save the route.

Edit a route from the panel

You can edit a route by placing the cursor over the route and then selecting the route in the menu. Select the edit option in the menu. This opens the Edit route dialog.

The dialog can also be accessed by activating the Waypoints, Routes, Trails dialog on the tools panel on the Home page. Select the Route tab and then the route you want to edit.

To edit the route from the panel:



1. Maneuver the cursor over the route in the panel. The route pop-up is displayed.
2. Press the Menu/Enter key and use the Arrow keys to select the route in the menu. The menu expands with additional options.
   - The edit option allows you to move and remove routepoints on the panel.
   - The details option opens the edit route dialog where you can set route options, rename and manage details.
3. Use the Arrow keys to select the option you want to use and press the Menu/Enter key.
4. Follow the prompts to make changes and save your changes.

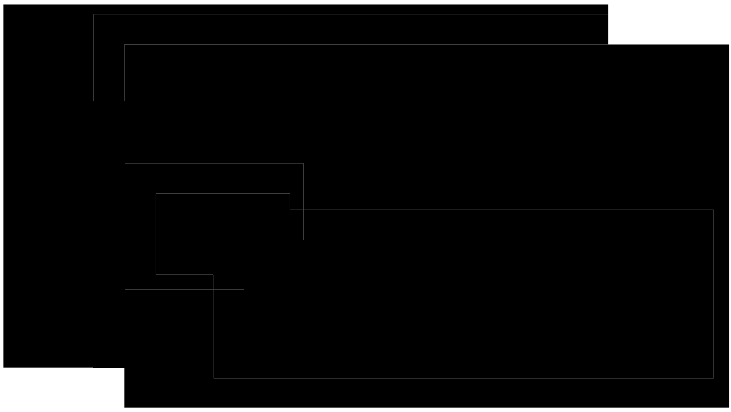
Delete a route

You can delete a route by placing the cursor over the route and then selecting the route in the menu and then select the delete option in the expanded menu.

Creating routes using existing waypoints

You can create a new route by combining existing waypoints from the New Routes dialog.

The dialog is activated by selecting the route tab in the dialog displayed when you select the Waypoint, Routes, and Trails tool on the Home page. Next, select the New route option.



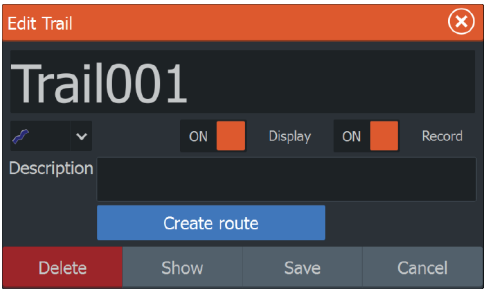
You can also insert existing waypoints in an existing route from the Edit Routes dialog.

From the Edit Routes dialog, select the routepoint in the list where you want to insert the waypoint and press the Menu/Enter key.

Converting trails to routes

You can convert a trail to a route from the Edit Trail dialog. The dialog is activated by activating the trail, then selecting the trail's pop-up, or the Trail menu option.

The Edit Trail dialog can also be accessed by selecting the Waypoints tool on the Home page.



The Edit Route dialog

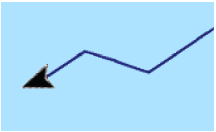
You can add and remove routepoints, and change route properties using the Edit Route dialog.

This dialog is activated by placing the cursor over the route and selecting the route in the menu.

The dialog can also be accessed by selecting the route tab in the dialog displayed when you select the Waypoint, Routes, and Trails tool on the Home page.

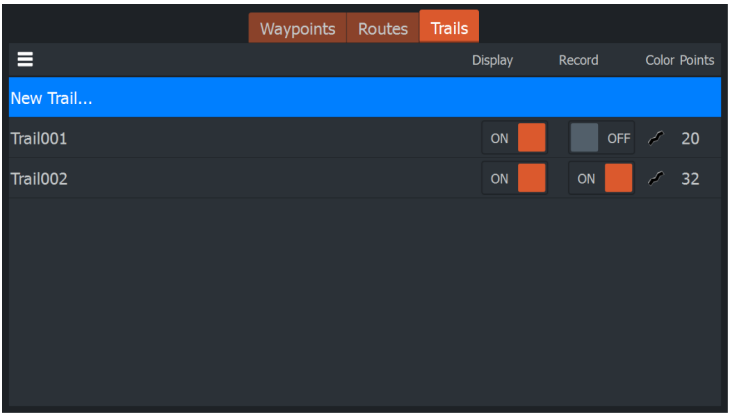
Select the name field to change the name. Turn on Display to show the route on the panel.

Trails



Trails are a graphical presentation of the historical path of the vessel, allowing you to retrace where you have travelled.

Trails can be converted to routes from the Edit Trails dialog. Refer to *"Converting trails to routes"* on page 40.



From the factory, the system is set to automatically track and draw the vessel's movement on the panel. The system continues to record the trail until the length reaches the maximum points, and then automatically begins overwriting the oldest points.

The automatic tracking function (record) can be turned off from the Edit Trails dialog.

Creating new Trails

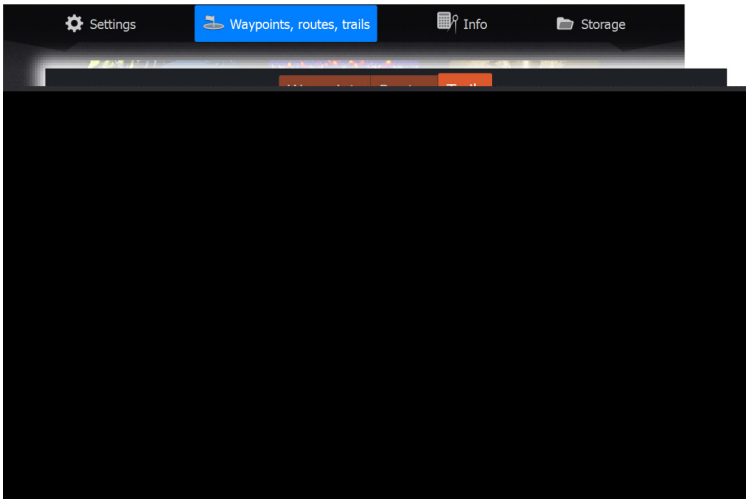
You can start a new trail from the Trails dialog, activated by using the Waypoints, Routes, Trails tool on the Home page and selecting the Trails tab.

Trails settings

Trails are made up of a series of points connected by line segments whose length depends on the frequency of the recording.

You can select to position trail points based on time settings, distance, or by letting the system position a trail point automatically when a course change is registered.

→ ***Note:*** The Trails option must also be turned ON in the panel settings dialog to be visible.



Coloring trails

To color trails:

- Select the trail in the Trails dialog and set the color for the entire trail in the Edit Trail dialog.