

HOOK Series

Operation manual

ENGLISH











HOOK-4

HOOK-5

HOOK-7

HOOK-9

lowrance.com

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Compliance Statements

Lowrance HOOK-4, HOOK-5, HOOK-7 and HOOK-9



- meets the technical standards in accordance with Part 15.103 of the FCC rules
- complies with CE under RTTE directive 1999/5/EC
- complies with the requirements of level 2 devices of the Radiocommunications (Electromagnetic Compatibility) standard 2008

For more information please refer to our website: www.lowrance.com.

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. This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that the interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna
- Increase the separation between the equipment and receiver
- Connect the equipment into an outlet on a circuit different from that of the receiver
- Consult the dealer or an experienced technician for help



WARNING: When a GPS unit is used in a vehicle, the vehicle operator is solely responsible for operating the vehicle in a safe manner. Vehicle operators must maintain full surveillance of all pertinent driving or boating conditions at all times. An accident or collision resulting in damage to property, personal injury or death could occur if the operator of a GPS-equipped vehicle fails to pay full attention to travel conditions and vehicle operation while the vehicle is in motion.



NOTE: This manual covers HOOK-4, HOOK-5, HOOK-7 and HOOK-9 units. As a result, screenshots of menus and dialogs may not match the look of your unit.

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Introduction

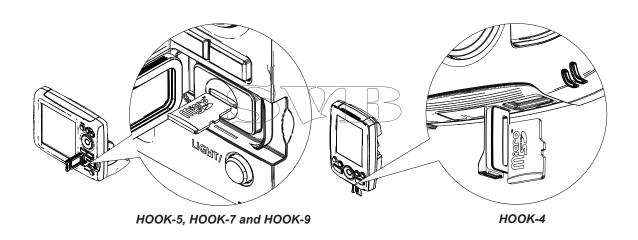
| Unit controls | | |
|--|---|--|
| 0 | LIGHT/POWER: controls backlight level and turns unit on/off | |
| | KEYPAD: controls cursor & selects items on menus | |
| | PAGES: allows you to select a page to view | |
| MENU | MENU: opens settings, context and page menus | |
| ENTER | ENTER: finalizes menu selections; save waypoint at cursor position | |
| | MOB: press and hold both Zoom keys to create a Man Overboard waypoint | |
| | ZOOM Keys: used to zoom in/zoom out | |
| microSD slot: insert a blank microSD card to save screen captures; or insert a microSD mapping card to | | |

| | | Getting started |
|----|-------------------------------|---|
| | Turn unit on/off | To turn on/off the unit, press and hold the LIGHT/POWER key for three seconds. |
| // | Man Overboard waypoint | Press the ZOOM IN and ZOOM OUT keys at the same time to set a Man Overboard waypoint. Your system will automatically create an active route back to the MOB waypoint. You must cancel navigation to terminate the function. |
| | Adjusting the backlight | This unit has 10 backlight levels. Press the LIGHT/POWER key to switch backlight levels. |
| | Muting Audio | Select <i>Audio</i> from the System menu and press ENTER . Enable/ disable <i>Mute</i> . |

use mapping data

Inserting microSD cards

Carefully slide the microSD card into the slot until it clicks into place. To remove, carefully push in the card until it clicks out of place.



Basic operation

Setup wizard

The Setup wizard will appear when the unit is turned on for the first time. To choose your own settings, do not run the setup wizard. To restart the Setup wizard, restore defaults.



Selecting pages

To select a page, press the keypad in the direction of the desired page and press **ENTER**.

Page menus

The Steer, Downscan, Sonar and Chart pages have menus that can only be accessed when those pages are displayed.

Pages





Pages dialog



NOTE: Available pages vary depending on the unit and the connected transducer.



Steer page

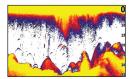




Downscan page



Downscan menu



Sonar page



Sonar menu

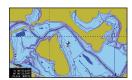


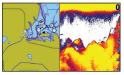
Chart page



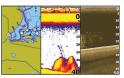
New waypoint...

Chart menu

Combo pages



Two-panel page

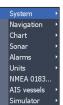


Three-panel page

Press the **PAGES** key twice to switch active panels. The page menu for active page will be displayed when the **MENU** key is pressed. The active panel is denoted by an orange border.

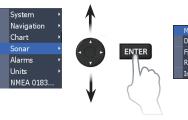
Accessing the Settings menu





Accessing menu items

The keypad and **ENTER** key are used to select menu items and open submenus. Use the keypad to highlight the desired item and press **ENTER**.





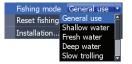
On/Off features

Select an on/off menu item and press **ENTER** to turn it on/off.



Dropdown menus

Access the dropdown menu and press the keypad up/down to select the desired item and press



ENTER.



NOTE: Press the **MENU** key to Exit menus.

Working with menus

There are several menu types used to make adjustments to options and settings, including scrollbars, on/off features and dropdown menus.

Scrollbars

Select the scrollbar and press the keypad left (decrease) or right (increase).



Dialogs

Dialogs are used for user input or for presenting information to the user. Depending on the type of entry, different methods are used to confirm, cancel or close the dialog.



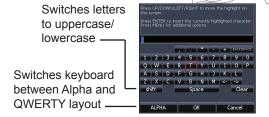
Entering text

Some functions, like naming a waypoint, route or trail, will require you to input text.

To input text:

- Use the keypad to select the desired character and press ENTER.
- 2. Repeat Step 1 for each character.

3. When entry is completed, highlight *OK* and press **ENTER**.



Fishing modes

(Conventional sonar only)

Fishing modes enhance the performance of your unit by providing preset packages of sonar settings geared to specific fishing conditions.



| Fishing mode options | | |
|----------------------|-----------------|-----------------------|
| General Use | 1000 ft or less | Coastal |
| Shallow Water | 60 ft or less | Shallow weedy bottoms |
| Fresh Water | 400 ft or less | Inland/Near coastal |
| Deep Water | 1000 ft or more | Offshore |
| Slow Trolling | 400 ft or less | Inland/Coastal |
| Fast Trolling | 400 ft or less | Inland/Coastal |
| Clear Water | 400 ft or less | Inland/Coastal |
| Brackish Water | 400 ft or less | Fresh-Saltwater mix |
| Ice | 400 ft or less | Ice fishing |

Cursor

The keypad moves the cursor around the display, allowing you to scroll the map, select map items and review sonar history.

Press **MENU** and select *Return to vessel* or *Exit* cursor mode to clear the cursor.

Goto cursor

Used to navigate to the cursor.

- 1. Move the cursor to a desired location and press **MENU**.
 - 2. Select *Goto cursor* and press **ENTER**.



NOTE: Use Fresh Water mode when fishing in less than 100 feet of water; otherwise your unit may not track bottom properly.

Advanced mode

Enables advanced features and settings.

The following features are enabled when Advanced mode is turned on:

- Navigation (Enables arrival radius, offcourse distance and Bearings setting)
- Alarms (Enables arrival, off course and anchor alarm options)
- NMEA 0183 Output (Requires optional Power/NMEA cable 000-0127-49)
- Units (Enables distance, speed, depth, temperature, and bearings options)

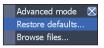
Press the **PWR/LIGHT** key to access the Backlight dialog.



NOTE: Leaving your unit in Standby mode when your boat is not in use will run down your battery.

Restore defaults

Resets unit options and settings to defaults.

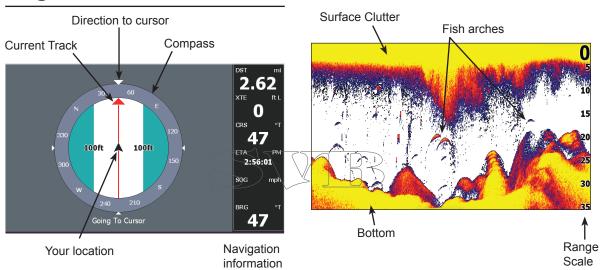


Standby mode

Lowers power consumption by turning off sonar and the display.



Pages

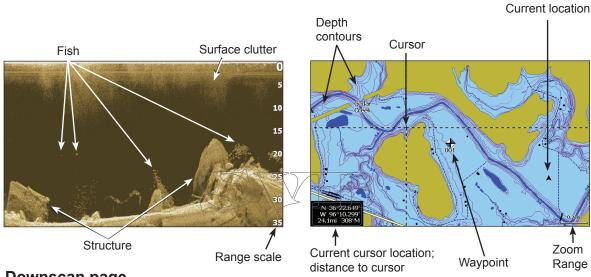


Steer page

The Steer page has a compass that shows your current track, the direction to your destination, and a digital data navigation panel.

Sonar page

Displays the water column moving from right to left on your unit's screen.



Downscan page

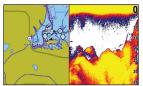
The Downscan page shows the water column moving from right to left. You can overlay downscan sonar on the conventional sonar page by selecting *Downscan Overlay* on the Sonar settings menu.

Chart page

Consists of map that moves in real-time as you move. By default, the map is shown from a birdseye view with North at the top of the screen.

Combo pages

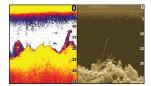
This unit has four pre-configured combo pages.

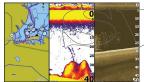




Chart/Sonar

Chart/Downscan





Sonar/Downscan

Chart/Sonar/Downscan



NOTE: Press the **PAGES** key twice to switch active panels.







Customizing combo pages

You can adjust the panel size of combo pages and control how the pages will be arranged on the screen:



vertically (side) or horizontally (over).

To make adjustments to combo page page.

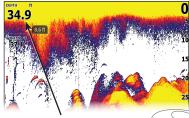
To make adjustments to combo page panels, select a combo page from the Pages carousel and press **MENU**.



NOTE: To adjust panel size, access the customize menu after selecting a combo page for display and select Panel size.

Overlay data

Used to select data shown on the Sonar, Structure and Chart pages.



Overlay data

Show

Enables/disables the display of overlay data, allowing you to remove overlay data from the screen without deleting the current overlay data configuration.



Configure

Allows you to select/customize overlay data.



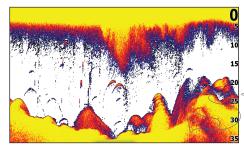


To add overlay data:

- From the Sonar, Chart or DownScan page, press MENU.
- 2. Select *Overlay data* and press **ENTER**.
- 3. Select *Configure* and press **ENTER**.
 - Press **MENU** and select *Add*. Press **ENTER**.
- 5. Select a data category and press **ENTER**.
- 6. Select the desired data and press **ENTER**.
- Press MENU and select Return to Overlays. Press ENTER.
- 8. Press **MENU**, select *Done Configuring* and press **ENTER**.

Sonar operation

This unit supports two types of sonar: Conventional and Downscan.



The features described in this section are for conventional sonar. Refer to the Downscan section for information on Downscan features.

of the selected transducer type. This results in better image quality, better target separation and greater depth penetration.

This unit supports High CHIRP, Medium CHIRP and Low CHIRP, depending on the transducer.

CHIRP can be used with Lowrance conventional sonar transducers.

- 50/200 kHz (Low/High CHIRP)
- 83/200 kHz (Medium/High CHIRP)

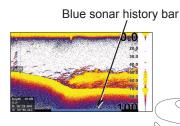
To use CHIRP, select the desired CHIRP frequency from the Frequency menu.

CHIRP

A CHIRP (Compressed High Intensity Radar Pulse) transducer transmits a modulated pulse of multiple frequencies within the bandwidth

Trackback

You can review your recent sonar history by moving the cursor to the left until the screen starts to move in reverse.



Move the sonar history bar all the way to the right to resume normal sonar scrolling, or press **MENU** and select *Exit cursor mode*

New waypoint...

Auto sensitivity

Ping speed Fastest

Auto

200 kHz

Adjust...

Range

Frequency

Stop sonar

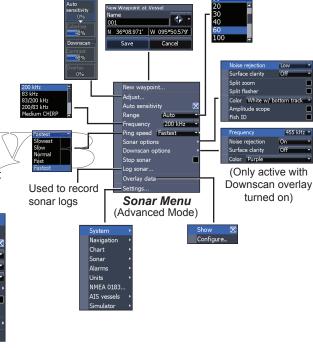
Log sonar...

Overlay data Settings...

Sonar options

Sonar menu

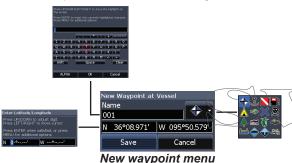
Press **MENU** from any sonar page to access the Sonar menu.



Sonar

New waypoint

Places a waypoint at your current position or at the cursor position. From the new waypoint dialog, you can input a waypoint name, select an icon and input a desired latitude/longitude.



Adjust

Used to make adjustments to Sensitivity and Colorline.



Controls the level of detail shown on the display. Too much detail will clutter the screen. If Sensitivity is set too low, desired echoes may not be displayed.

Colorline

Helps distinguish fish or structure from the bottom by showing hard returns as light colors and soft returns as darker colors. A lower colorline setting will display only the hardest returns, shown in light colors.

Auto sensitivity

Keeps sensitivity at a level that works well under most conditions, reducing the needs for adjustments. Auto Sensitivity is turned on by default.

Sonar

0%

48%

Downscan

48%

Auto sensitivity



NOTE: You can make minor (+/-40%) changes to sensitivity with Auto Sensitivity turned on. You will have to turn it off to make significant adjustments.







ustom range menu

Range

Selects the deepest range shown on the display. Range settings display the section of the water column from the water surface to the selected depth range.



NOTE: When using a custom range, you may not receive any digital depth readings, or you may receive incorrect depth information.

If you select too shallow a depth range, the unit will not be able to lock onto the bottom.

Custom range — Upper and Lower limits

Used to select the upper limit and lower limit of a section of the water column. That allows you to view a section of the water column that does not include the water surface or the bottom. Upper and lower limits must be at least 6.5 ft (2 m) apart.

Frequency

Controls the transducer frequency used by the unit. This unit supports conventional, CHIRP and DownScan sonar frequencies.

Only frequencies supported by your transducer will appear on the Frequency menu.



| Sonar frequencies | | |
|-------------------|---|--|
| 50 kHz | Best depth penetration with lower resolution | |
| 83 kHz | Wider cone angle provides more bottom coverage and easy lure tracking | |
| 200 kHz | Highest sensitivity and best target separation in shallow water | |
| Low CHIRP | Provides the best depth pen- etration with lower resolu- tion images | |
| Medium CHIRP | Better depth penetration than High CHIRP with minimal loss of target separation | |
| High CHIRP | Better resolution in shallow water than Medium CHIRP | |

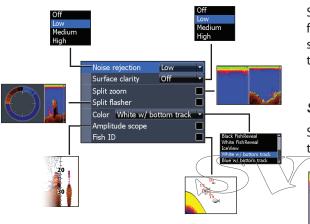
| Custom high | Selects a custom single frequency from within High |
|---------------|---|
| Custom medium | or Low frequency ranges to help reduce/eliminate inter- ference from other CHIRP transducers |

Ping speed

Controls the rate the transducer uses to send sonar waves into the water.

Ping speed adjustments can help reduce interference from other transducers. When using fishing modes, ping speed settings are optimized for the selected fishing conditions, so in most cases, adjustments are not necessary.

Sonar options



Noise rejection

Uses advanced signal processing to monitor the effects noise (boat pumps, water conditions, engine ignition systems, etc.) has on your display, and then filters out undesired signals.

Surface clarity

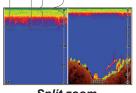
Surface Clarity reduces surface clutter by decreasing the sensitivity of the receiver near the surface.

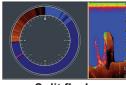


Surface clutter

Split zoom and Split flasher

Switches the sonar display from full screen sonar to a split screen view.





Split zoom

Split flasher

Color

Allows you to change the look of the display using palettes with varying degrees of color/brightness.

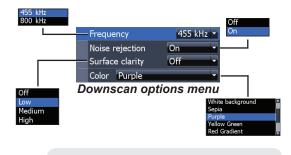
Amplitude scope

Displays the amplitude of the most recent echo.

Fish ID

Displays fish echoes as fish symbols instead of fish arches.





NOTE: The Downscan options menu will only be available when Downscan overlay is enabled.



NOTE: Fish ID is not the most accurate method of fish detection since structure and suspended debris may be shown as a fish symbol on the display.

Downscan options

You can make adjustments to Downscan overlay settings from the sonar page. Downscan options are covered in more detail in the DSI section.

Stop sonar

Prevents the transducer from transmitting to reduce/eliminate interference between two sonar units running on the boat at the same time.



NOTE: Sonar history will not be recorded when sonar is stopped.

Logging sonar

You can record sonar data and save the file on a microSD card inserted into the unit's card reader.

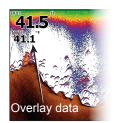
Controls the quality of sonar logs. Higher quality logs will use more memory.



View previously saved sonar logs

Overlay data

Allows you to select data to be displayed on top of the Sonar page. Overlay data setup is covered in the Pages section.



Sonar settings





Manual mode

Downscan overlay

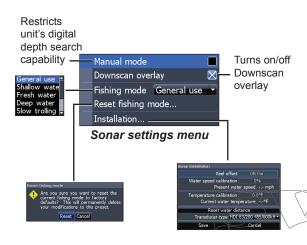
Fishing mode General use
Reset fishing mode...

Installation...

Conventional settings/Downscan settings

You can adjust settings for both Conventional sonar and Downscan sonar modes from the Sonar Settings menu.

Only adjustments made to conventional sonar settings will be visible on the sonar page.



When the unit is in manual mode, you may not receive any depth readings, or you may receive incorrect depth information.

Fishing mode

Enhances the performance of your unit by providing preset packages of sonar settings geared to specific fishing conditions. For more information about fishing modes, refer to the Basic Operation section.



Manual mode

Restricts digital depth capability, so the unit will only send sonar signals to the selected depth range. That allows the display to continue smooth scrolling if the bottom depth is out of transducer range.



WARNING: Manual mode should only be used by advanced sonar users.

Reset fishing mode

Resets selected fishing mode to default settings. That is useful when you want to clear settings adjustments made while using a fishing mode.

Installation



Installation menu

Before setting keel offset, measure the distance from the transducer to the bottom of the motor - see illustration. If, for example, the distance is 1 foot, it will be input as (minus) –1 foot.

Water speed calibration

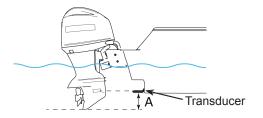
Calibrates a paddlewheel speed sensor with speed data from a GPS source.

Keel offset

All transducers measure water depth from the transducer to the bottom. As a result water depth readings do not account for the distance from the transducer to the keel/bottom of motor or from the transducer to the water surface.

Temperature calibration

Calibrates data from the transducer temperature sensor with data from a known temperature source to ensure the accuracy of temperature information.



A: Keel offset (e.g. -1 foot)

Reset water distance

Reset Water Distance to zero.

Transducer type

Selects the type of transducer model attached to your unit.

DownScan operation

Features described in this section are for Down-Scan sonar. Refer to the Sonar operation section for information on conventional and CHIRP sonar.

Trackback

You can review your sonar history by pressing the keypad to the left until the screen starts to move in reverse and the sonar history bar appears at the bottom of the screen.

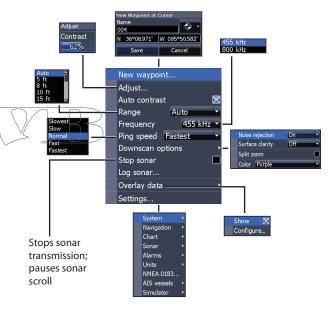
DownScan history bar



Move the sonar history bar all the way to the right to resume normal sonar scrolling, or press **MENU** and select *Exit cursor mode*.

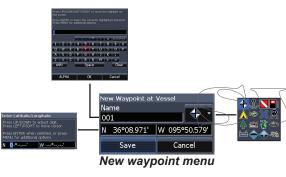
DownScan menu

Press **MENU** from the DownScan page to view the DownScan menu



New waypoint

Places a waypoint at your current position or at the cursor position. From the new waypoint menu, you can input a waypoint name, select an icon and input a desired latitude/longitude.



Adjust

Accesses the Contrast adjustment scrollbar, allowing you to adjust contrast settings.



Contrast

Adjusts the brightness ratio between light and dark areas on the screen, making it easier to distinguish suspended objects from the background.



to 40





t

Contrast set to 60

Contrast set to 80

Range

Range settings display the section of the water column from the water surface to the selected depth range.





NOTE: Auto range is the preferred setting for most fishing conditions.

Custom range — Upper and Lower limits

Used to select the upper limit and lower limit of a section of the water column. That allows you to view a section of the water column that does not include the water surface.



Upper and lower limits must be at least 6.5 ft (2 m) apart.



NOTE: When using a custom range, you may not receive any digital depth readings, or you may receive incorrect depth information.

Frequency

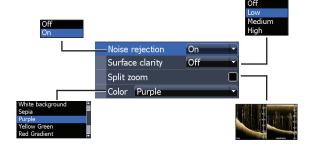
Controls the transducer frequency used by the unit. 800 kHz offers the best resolution, while 455 kHz has greater depth penetration.



Ping speed

Controls the rate the transducer uses to send sonar waves into the water. Ping speed adjustments can help reduce interference from other transducers.

Downscan options



Noise rejection

Uses advanced signal processing to monitor the effects noise (boat pumps, water conditions, engine ignition systems, etc.) has on your display, and then filters out undesired signals.

Surface clarity

Surface Clarity reduces surface clutter by decreasing the sensitivity of the receiver near the surface.



Surface clarity set to Low.



Surface clarity set to High.

Split zoom

Changes the display to a split zoom view.

Color

Allows you to select a color palette best suited to your fishing conditions.



The white background palette works well for suspended targets. Purple is useful for viewing structure detail and determining bottom hardness. Sepia is best for looking at bottom detail.

Stop sonar

Prevents the transducer from transmitting to reduce/eliminate interference between two sonar units running on the boat at the same time.



NOTE: Sonar history (Trackback) will not be recorded when sonar is stopped.

Logging sonar

You can record sonar data and save the file on a microSD card inserted into the unit's card reader.

Controls the quality of sonar logs. Higher quality logs will use more memory.



View previously saved sonar logs

Overlay data

Allows you to select data to be displayed on top of the DownScan page.

Overlay data setup is covered in the Pages section.



Settings

Accesses the Settings menu. Refer to "Sonar settings" on page 25..

Chart operation System Navigation Chart Sonar Alarms Units NMEA 0183... New Waypoint at Vessel AIS vessels Simulator W ----Save New waypoint... Goto Cursor Find North up COG up Measure Waypoints, Routes, Trails... N 36°22.649' W 96°10.299' North up Orientation Show Overlay data Configure.. Settings... Chart menu

Chart menu

Press **MENU** from any Chart pages to open the Chart menu.

New waypoint

Creates a waypoint at your current location or at the cursor position. When the cursor is on the screen, waypoints will be saved at the cursor position; conversely, if the cursor is not displayed onscreen, waypoints will be saved at your current position.

Waypoints, Routes, Trails

Used to create, edit, navigate and delete waypoints, routes and trails.

Press the keypad left/right to toggle between waypoint, routes and trails tabs.

MENU

New...

Show

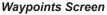
Goto

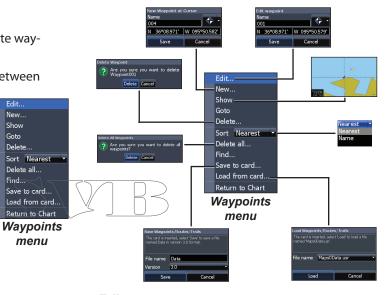
Delete...

Find...

Delete all...







Edit

Allows you to edit the name, icon and latitude/longitude. of a selected waypoint.



New

Creates a new waypoint at the cursor or vessel position. You can also select waypoint name, icon and latitude/longitude from the new waypoint menu.



Show

Displays the selected waypoint on the map.

Goto

Allows you to navigate to a waypoint.

Delete and Delete All

Delete is used to delete a selected waypoint. Delete All deletes all waypoints.



Sort

Controls how the waypoints list will be sorted — by name or by nearest.



Routes screen

Used to create, edit, navigate and delete routes. Use the keypad to highlight the Routes tab to access the Routes screen.





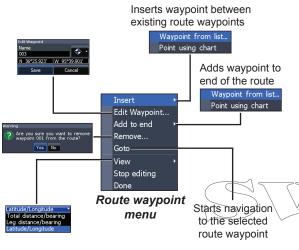




Routes menu

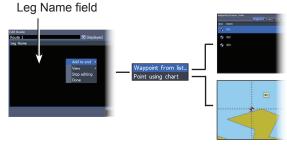
Creating a route

Routes can be created by inserting waypoints from the waypoints list or by using the cursor to position new points on the chart. You also can add waypoints to a route by selecting them from the chart screen.



To create a route from waypoint list:

- Press MENU from the Routes screen.
- Select New... and press ENTER.
- 3. Press the keypad down to select the Leg Name field and press **ENTER**.
- 4. Press **MENU**, select *Add to End* and press **ENTER**.



- 5. Highlight *Waypoint from list* and press **ENTER**.
- 6. Select the desired waypoint and press ENTER twice.
- 7. Repeat point 6 to add more waypoints.
- 8. When the route is complete, press **MENU**, select *Stop Adding* and press **ENTER**
- Press MENU, select Stop Editing and press ENTER.
- 10. Select Save and press ENTER.

Creating a route using points from chart:

- Repeat Steps 1-4 from the instructions for Creating a route from waypoint list.
- Select *Point using chart* and press ENTER. The chart page will appear.
- 3. Move the cursor to the desired location. Press **ENTER** to set a waypoint.
- Repeat Step 3 to add more route waypoints.
- Press MENU and select Stop Adding. Press ENTER.
- Press MENU, select Stop Editing and press ENTER.

7. Highlight the *Save* button and press **ENTER**.

Edit

New...

Show Start...

Delete... Delete all...

Save to card...

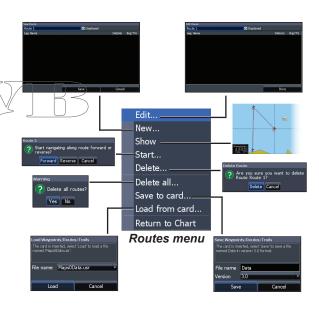
Load from card...

Return to Chart

Navigating a route

Routes can be navigated in forward or reverse.

- Select the desired route on the Route screen and press MENU.
- 2. Select *Start* and press **ENTER**.
- 3. Select *Forward* or *Reverse* and press **ENTER**.



To cancel navigation:

- Press MENU from the chart screen.
- Select Navigation and press ENTER.
- 3. Highlight *Cancel* and press **ENTER**.
- 4. Select *Yes* and press **ENTER**.

Fdit and New Route menus

Used to edit/create routes, route names and to turn

on/off the route display.

Turns on/off route display on map

To edit/create a route, use the keypad to select the Route Leg Name field and press ENTER.

| College | College

To access the Edit or New Route menu, select *Edit* or *New* on the Routes menu and press **ENTER**.

To finalize changes on the Edit or New Route menus, press **MENU**, highlight *Stop editing* and press **ENTER**. Select *Done* and press **ENTER**.

Displayed

Used to show/hide a route on the display, which prevents the screen from being cluttered by too many routes

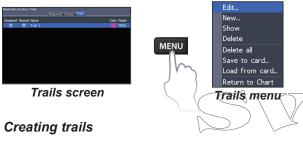
Delete and Delete All

Delete is used to delete individual routes. Delete All, removes all routes.

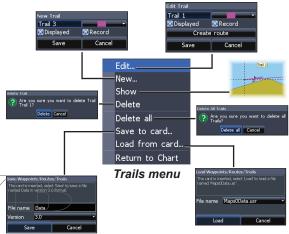


Trails screen

Used to create, edit, navigate and delete trails. Use the keypad to highlight the Trails tab to access the Trails screen.



When creating a trail you can customize the trail name and color from the New Trail.

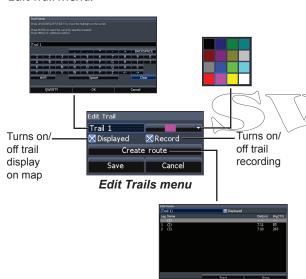


To create a trail:

- Select New and press ENTER. The New Trail dialog will appear.
- 2. Select *Save* and press **ENTER**.

Edit and New Trail menus

Allows you to edit/create trails, select trails names, trail color, trail display and the trail being recorded. You can also convert a trail into a route from the Edit Trail menu.



Navigating a trail

A trail must be saved as a route before it can be navigated.

To save a trail as a route:

- Highlight the desired trail on the Trails screen and press ENTER. The Edit Trail menu will appear.
- Highlight Create Route and press ENTER. The Edit Route menu will appear.
- 3. Highlight *Done* and press **ENTER**.
- For navigation instructions refer to the Navigating a route segment.

Displayed and Record

Displayed allows you to show/hide trails on the map display, preventing the screen from being cluttered with trails.

The Record command allows you to record, stop recording or resume recording a desired trail.

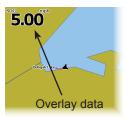
Delete and Delete All

Delete is used to remove individual trails. Delete All removes all trails.



Overlay data

Allows you to select data (course over ground, etc) to be displayed on top of the Chart page.



Overlay data setup is covered in the Pages section.

Orientation

Allows you to select North Up or Course Over Ground (COG) as the map orientation.

Settings

Accesses the Chart settings menu.

Chart settings

Controls map data used on the chart screen as well as display settings like grid lines, waypoints, routes and trails.

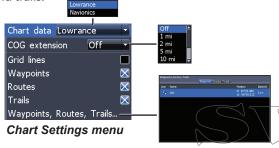


Chart data

Selects map data that will be used on the Chart display (Lowrance or Navionics regional map). Go to Navionics.com to see a full selection of available charts.

COG extension

A line extending from the front of the current position icon that estimates the time and distance to areas in front of you.



Grid lines

Displays base values for latitude and longitude, making it easier to get a general idea of your location on the latitude/longitude scale.



Waypoints, Routes and Trail displays

From the Chart Settings menu, you can turn on/ off waypoint, route and trail display properties. Turning off display properties allows you to get a better view of the map, if the screen becomes cluttered with waypoints, routes and/or trails.

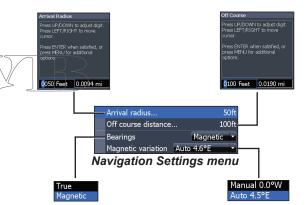
Navigation settings

(Advanced mode only)

Controls Arrival Radius and Off Course distance settings and is used to turn on/off WAAS/MSAS/EGNOS.

Waypoints, Routes, Trails

Accesses the Waypoints, Routes & Trails screen. Waypoints, Routes and Trails are covered in the Chart section.



Arrival radius

Sets the arrival radius threshold for the Arrival alarm. The arrival alarm will sound when your vessel comes within a selected distance (arrival radius) of the destination waypoint.

Off Course Distance

Sets Off Course Distance threshold for the Off Course alarm. When the selected off course distance is exceeded, the Off Course alarm will sound when the alarm is enabled.

Magnetic variation

Controls whether magnetic variation will be calculated using Automatic or Manual settings. Magnetic variation is the angle between magnetic north and true north. The automatic setting reconciles the variation for you.



WARNING: You should only use the Manual magnetic variation setting if you have variation information from a verified source.

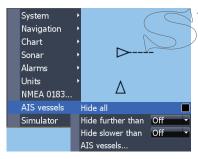
Bearings

Controls whether bearing will be calculated using True North or Magnetic North. Magnetic North should be used when navigating with a compass course or heading; otherwise use the default setting, True North.

AIS

The marine Automatic Identification System (AIS) is a location and vessel information reporting system. It allows vessels equipped with AIS to automatically receive position, speed, course and vessel identity information from other AIS-equipped vessels.

If an AIS device is connected, all targets detected by the device can be displayed.



AIS setup

Before using AIS, your unit must be set to the same Baud rate as your AIS device.



NOTE: Your unit must be set to Advanced mode to access NMEA 0183 settings (Requires optional Power/NMEA cable 000-0127-49)

To select a Baud rate:

- Access the settings menu.
- 2. Select NMEA 0183 and press ENTER.
- 3. Access the Baud rate dropdown menu on the NMEA 0183 settings dialog.
- 4. Select the same Baud rate used by your AIS device.
- 5. Select *Save* and press **ENTER**.



Target symbols

The unit uses the AIS target symbols shown below:

| Symbol | D | escription |
|-----------------|---|---|
| \triangleleft | Stationary AIS tar | get |
| <i>,</i> | Moving AIS target with (COG) course extension line | |
| Í | The extension line always represents the target's course over ground and is set to 10 minutes by default. | |
| \bowtie | | When no signals have been received within a time limit, a target will be defined as lost. |
| | Lost AIS target | The target symbol represents the last valid position of the target before the reception of data was lost. |



NOTE: If you receive heading data from an AIS vessel, the orientation of the vessel icon represents its heading. If heading data is not received, the orientation of the vessel icon represents its course over ground (COG).

Filtering the targets

All targets, by default, are shown on the display if an AIS device is connected to your unit.

You can hide all targets, or filter the target icons based on distance and vessel speed.

Viewing AIS target information

When you place the cursor on an AIS icon, the MMSI number or vessel name (if available) will be displayed.

You can view detailed information about a target by selecting the target and pressing **ENTER**. The AIS Vessel detail dialog will appear.





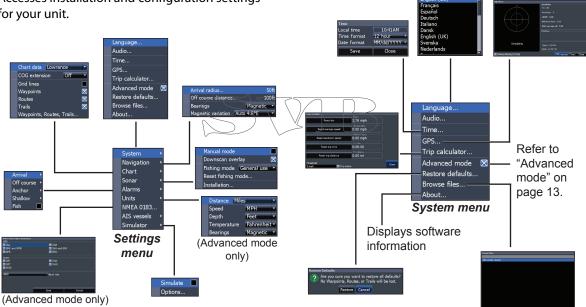
Settings

Settings menu

Accesses installation and configuration settings for your unit.

System

Adjusts unit settings like language, mute audio and advanced mode.



Set language

Selects the language used on menus and dialogs.



Trip calculator

Tracks trip time, speed and distance when you are moving faster than the selected threshold.



Audio

Adjusts volume and turns on/off unit audio, like key beeps, alarm sounds, etc.

Time

Used to set local time, and time and date formats for your unit.



Advanced mode

Enables features and settings only available with unit in Advanced Mode.

Restore defaults

Switches the unit back to default settings.



GPS

Monitors the location of satellites in view and the quality of the unit's satellite lock-on.



Browse files

Allows you to view a list of the files saved to the microSD card.

Saving screenshots

You can save screenshots to a microSD card by inserting a microSD card into the card slot and pressing Power and then Zoom (+).

You must view files on a computer or other microSD compatible device.



NOTE: You cannot save screenshots to internal memory, Navionics cards, or other mapping cards.

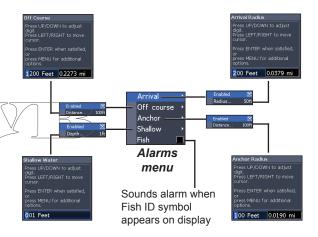
About

Displays software information about this unit. Before attempting a software update, you can check the version of software your unit is using by accessing the About screen.

Lowrance periodically updates unit software to add features and improve functionality. To see the latest available software version go to www.lowrance.com.

Alarms

Enables alarms and selects alarm thresholds. Arrival, Off Course and Anchor alarms are only available in Advanced mode.



| Alarms | |
|---------------|---|
| Arrival | sounds alarm when you are within a selected distance of your destination (Advanced Mode only) |
| Off Course | sounds alarm when course exceeds a selected off-course threshold (Advanced Mode only) |
| Anchor | sounds alarm when vessel moves a selected distance (Advanced Mode only) |
| Shallow | sounds alarm when vessel enters water shallower than the selected shallow threshold |
| Fish | sounds alarm when a fish symbol (Fish ID) appears on the sonar screen |

NMEA 0183 Output

(Requires optional Power/NMEA cable 000-0127-49)

You can select the NMEA 0183 sentences the unit will use when connected to a VHF radio or other NMEA 0183 device.

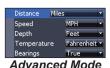


You can also adjust the Baud rate, but the default setting works best under most conditions.

Units

Allows you to select the unit of measure used by the unit. Unit options vary depending on whether the unit is in basic or advanced mode.





Simulator

Simulates GPS and/or sonar activity. Simulations can be customized on the Simulator options menu.

| HOOK-4 | | |
|---------------------|---|--|
| General | | |
| Case size | 6.6" H (168 mm) x 3.8"W (96 mm); 7.5" H (189 mm) with bracket | |
| Display | (4.3" diagonal) 16-bit color TFT LCD | |
| Waterproof standard | IPX7 | |
| Backlight | LED (11 levels) | |
| Communications | NMEA 0183 Input/Output (optional Power/NMEA cable 000-0127-49) | |
| Regulatory mark | € 0980 | |
| | Power | |
| Transmit power | 500 W RMS | |
| Power requirement | 12 V | |
| Voltage input | 10 to 17 V | |
| Current drain | Typical: 1.1 A | |
| Fuse type | 3-amp Automotive | |

| Sonar | |
|---------------------------------------|--|
| Max depth | 300 ft (91 m) 455/800 kHz 1000 ft (305 m) 83/200 kHz 2500 ft (762 m) 50/200 kHz |
| Max speed | 70 mph |
| Available trans- ducer frequencies | HDI 50/200 kHz (Low/High CHIRP) HDI 83/200 kHz (Medium/High CHIRP 83/200 kHz (Medium/High CHIRP) |
| Transducer cable | 20 ft (6 m) |
| GPS | |
| Mapping card slot | microSD and microSDHC |
| GPS Antenna | 16 parallel channel (internal) |
| Mapping compatibility | Lake Insight® and Nautic Insight® PRO, Navionics® +, C-MAP MAX-N, Fishing Hot Spots® PRO, & Insight Genesis. For the latest mapping compatibility information visit www.lowrance.com |
| Waypoints, Routes & Trails | Up to 3000 waypoints, 100 routes/100 waypoints per route, 100 retraceable plot trails/up to 10,000 points per trail |

| НООК -5 | |
|---------------------|---|
| General | |
| Case size | 5.4" H (136 mm) x 6.9"W (174 mm); 5.9" H (151 mm) with bracket |
| Display | (5" diagonal) 16-bit color Full color VGA Solar MAX™ Plus TFT |
| Waterproof standard | IPX7 |
| Backlight | LED (11 levels) |
| Communications | NMEA 0183 Input/Output (optional Power/NMEA cable 000-0127-49) |
| Regulatory mark | C€ 0980 |
| Power | |
| Transmit power | 500 W RMS |
| Power requirement | 12 V |
| Voltage input | 10 to 17 V |
| Current drain | Typical: 1.1 A |
| Fuse type | 3-amp Automotive |

| Sonar | |
|---------------------------------------|--|
| Max depth | 300 ft (91 m) 455/800 kHz 1000 ft (305 m) 83/200 kHz 2500 ft (762 m) 50/200 kHz |
| Max speed | 70 mph |
| Available trans- ducer frequencies | HDI 50/200 kHz (Low/High CHIRP) HDI 83/200 kHz (Medium/High CHIRP 83/200 kHz (Medium/High CHIRP) |
| Transducer cable | 20 ft (6 m) |
| GPS | |
| Mapping card slot | microSD and microSDHC |
| GPS Antenna | 16 parallel channel (internal) |
| Mapping compatibility | Lake Insight® and Nautic Insight® PRO, Navionics® +, C-MAP MAX-N, Fishing Hot Spots® PRO, & Insight Genesis. For the latest mapping compatibility information visit www.lowrance.com |
| Waypoints, Routes & Trails | Up to 3000 waypoints, 100 routes/100 waypoints per route, 100 retraceable plot trails/up to 10,000 points per trail |

| HOOK-7 | |
|---------------------|---|
| General | |
| Case size | 5.3" H (234mm) x 9.2"W (136mm); 5.9" H (151mm) with bracket |
| Display | (7" diagonal) 16-bit color Full VGA Solar MAX™ 800x480 color TFT |
| Waterproof standard | IPX7 |
| Backlight | LED (11 levels) |
| Communications | NMEA 0183 Input/Output (optional Power/NMEA cable 000-0127-49) |
| Regulatory mark | C€ 0191 |
| Power | |
| Transmit power | 500 W RMS |
| Power requirement | 12 V |
| Voltage input | 10 to 17 V |
| Current drain | Typical: 1.1 A |
| Fuse type | 3-amp Automotive |

| Sonar | |
|---------------------------------------|--|
| Max depth | 300 ft (91 m) 455/800 kHz 1000 ft (305 m) 83/200 kHz 2500 ft (762 m) 50/200 kHz |
| Max speed | 70 mph |
| Available trans- ducer frequencies | HDI 50/200 kHz (Low/High CHIRP) HDI 83/200 kHz (Medium/High CHIRP 83/200 kHz (Medium/High CHIRP) |
| Transducer cable | 20 ft (6 m) |
| GPS | |
| Mapping card slot | microSD and microSDHC |
| GPS Antenna | 16 parallel channel (internal) |
| Mapping compatibility | Lake Insight® and Nautic Insight® PRO, Navionics® +, C-MAP MAX-N, Fishing Hot Spots® PRO, & Insight Genesis. For the latest mapping compatibility information visit www.lowrance.com |
| Waypoints, Routes & Trails | Up to 3000 waypoints, 100 routes/100 waypoints per route, 100 retraceable plot trails/up to 10,000 points per trail |

| HOOK-9 | |
|---------------------|--|
| General | |
| Case size | 6.16" H (157 mm) x 11.06"W (281 mm); 6.2" H (156.5 mm) with bracket |
| Display | (9″ diagonal) 16-bit color Full color VGA Solar MAX™ Plus TFT |
| Waterproof standard | IPX7 |
| Backlight | LED (11 levels) |
| Communications | NMEA 0183 Input/Output (optional Power/NMEA cable 000-0127-49) |
| Regulatory mark | C€ 0980 |
| Power | |
| Transmit power | 500 W RMS |
| Power requirement | 12 V |
| Voltage input | 10 to 17 V |
| Current drain | Typical: 1.1 A |
| Fuse type | 3-amp Automotive |

| Sonar | |
|---------------------------------------|--|
| Max depth | 300 ft (91 m) 455/800 kHz 1000 ft (305 m) 83/200 kHz 3000 ft (914 m) 50/200 kHz |
| Max speed | 70mph |
| Available trans- ducer frequencies | HDI 50/200 kHz (Low/High CHIRP) HDI 83/200 kHz (Medium/High CHIRP 83/200 kHz (Medium/High CHIRP) |
| Transducer cable | 20 ft (6 m) |
| GPS | |
| Mapping card slot | microSD and microSDHC |
| GPS Antenna | 16 parallel channel (internal) |
| Mapping compatibility | Lake Insight® and Nautic Insight® PRO, Navionics® +, C-MAP MAX-N, Fishing Hot Spots® PRO, & Insight Genesis. For the latest mapping compatibility information visit www.lowrance.com |
| Waypoints, Routes & Trails | Up to 3000 waypoints, 100 routes/100 waypoints per route, 100 retraceable plot trails/up to 10,000 points per trail |

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Your remedies under this warranty will be available so long as you can show in a reasonable manner that the defect occurred within one (1) year from the date of your original purchase, and we must receive your warranty claim no later than 30 days after such 1-year period expires. Your claim must be substantiated by a dated sales receipt or sales slip.

Contact information

Customer Service:

AMER: 800-628-4487 EMEA: +44 1794 51 0010

APAC: 1300 628426

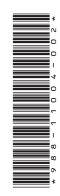
Ordering accessories

US: http://store.navico.com

Other countries: Visit your local dealer or distributor.

Visit our website

For additional regional support information: www.lowrance.com/technicalsupport



LOWRANCE

