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Compliance Statements

Lowrance Elite-5 HDI

• 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.
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</tr>
</tbody>
</table>

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**Note:**
- **MOB**: Press and hold both zoom 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 11 backlight levels. Press the **LIGHT/POWER** key to switch backlight levels.
- **Muting Audio**: Select **Audio** from the System menu. Select **Mute** and press **ENTER**.
- **Selecting a GPS source**: Select **GPS** from the System settings menu. Press **MENU**, select **GPS source** and choose the desired source.
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.

Conventional sonar and DownScan

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

Refer to the “Sonar Operation” section for information about conventional sonar features and settings.

DownScan features and settings are covered in the “DownScan Operation” section.
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.
Press the PAGES key twice to switch active panels. The page menu for the active page will be displayed when the MENU key is pressed.

Accessing the Settings menu

**Combo pages**

**Two-panel page**

**Three-panel page**
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:**

1. 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.
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**.

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<tr>
<th>Fishing Mode Options</th>
<th>General Use</th>
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</tr>
<tr>
<td>Fast Trolling</td>
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<td></td>
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<td></td>
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<td></td>
</tr>
<tr>
<td>Ice</td>
<td>400ft or less</td>
<td>Ice fishing</td>
<td></td>
</tr>
</tbody>
</table>
**Advanced Mode**

Enables advanced features and settings.

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

- Navigation (Enables arrival radius, off-course distance and Bearings setting)
- Alarms (Enables arrival, off course and anchor alarm options)
- NMEA 0183 configuration options
- Units (Enables distance, speed, depth, temperature and bearings configuration options)

**Standby mode**

Lowers power consumption by turning off sonar and the display.

1. Press the **PWR/LIGHT** key to access the Back-light dialog.
2. Select **Standby** and press **ENTER**.
3. Press any key to resume normal operation.

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

**Restore defaults**

Sets unit options and settings to default values.
**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 birds-eye 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).
Overlay Data

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

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:

1. From the Sonar, Chart or DownScan page, press **MENU**.
2. Select **Overlay data** and press **ENTER**.
3. Select **Configure** and press **ENTER**.
4. Press **Menu** and select **Add**. Press **ENTER**.
5. Select a data category and press **ENTER**.
6. Select the desired data and press **ENTER**.
7. Repeat Steps 5 and 6 to add more data.
8. Press **MENU** and select **Return to Overlays**. Press **ENTER**.
9. Press **MENU**, select **Done Configuring** and press **ENTER**.
**Customizing Overlay Data**

You can add/remove data and adjust the size and position of overlay data on the screen.

Select the desired overlay data from the “Configure Item Locations and Sizes dialog” and press **MENU**. The configuration menu will appear.
DownScan Operation

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

The features described in this section are for DownScan sonar. Refer to the “Sonar operation” section for information on conventional sonar features.

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.

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.

Contrast

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

Auto Contrast

Automatically adjusts contrast settings to a level that works best with current water conditions.

Adjust

Access the Adjust menu to make adjustments to the contrast level.
NOTE: You can make limited adjustments to the contrast level with Auto Contrast turned on. You will have to turn it off to have access to all contrast levels.

**Range**

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

**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 5 ft (2m) 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 coverage.

**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

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<tr>
<th>DownScan options</th>
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<td>Low</td>
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<tr>
<td>Medium</td>
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<td>High</td>
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</table>

<table>
<thead>
<tr>
<th>Noise rejection</th>
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</table>

<table>
<thead>
<tr>
<th>Surface clarity</th>
<th>Off</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Split zoom</th>
<th>Off</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Color</th>
<th>Purple</th>
</tr>
</thead>
</table>

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

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

### Split Zoom
Changes the display to a split zoom view. You can select a 2X or 4X zoom level. Press the +/- keys to zoom in or zoom out.

### 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

Stops sonar transmission and pauses the sonar chart, allowing you to get a better look at suspended targets and structure.

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.

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 27.
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 operation” section for information on DownScan features.

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*.

Sonar Menu

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

You can make adjustments to Sensitivity and Colorline from the Adjust menu. Contrast and Overlay options will only be active on the Adjust menu with DownScan Overlay enabled.
**Sensitivity**

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.

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

**Colorline**

Separates strong sonar echoes from weak sonar echoes. That makes it easier for you to distinguish fish or structure from the bottom. A hard return will be shown as a wide, bright yellow area, whereas a soft return will be a narrow reddish-blue area.

**Auto Sensitivity**

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

**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.

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. Upper and lower limits must be at least 5 ft (2m) apart.
Frequency

Controls the transducer frequency used by the unit. This unit supports three conventional sonar frequencies: 50kHz, 83kHz and 200kHz.

200 kHz has the highest sensitivity and best target discrimination in shallow water. 83 kHz offers a wider cone angle for more water coverage. 50 kHz provides the best 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. When using fishing modes, ping speed settings are optimized for the selected fishing conditions, so in most cases, adjustments are not necessary.

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

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

Split Zoom and Split Flasher
Switches the sonar display from full screen sonar to a split screen view.

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.

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.

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 “DownScan Operation” section.

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

**Stop Sonar**
Pauses the unit’s sonar, allowing you to get a closer look at suspended targets. Stop Sonar also can be used to prevent/stop 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.

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

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.

**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.

**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.
Installation

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 or from the transducer to the water surface. Before setting keel offset, measure the distance from the transducer to the lowest part of the keel. If, for example, the keel is 3.5 feet below the transducer, it will be input as –3.5 feet.

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

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

Reset water distance
Resets the Water Distance value to zero.

Transducer Type
Selects the transducer model attached to your unit. You must select the correct transducer type to get the best sonar performance from your unit.
Chart Operation

Chart Menu

Press **MENU** from the Chart page to open the Chart menu. Press **ENTER** to launch the New waypoint dialog.

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. If the cursor is not active, waypoints will be saved at your current position.
**Find**

Used to search for chart categories from the cursor position or from the vessel position.

**Measure**

The cursor can be used to measure the distance between two items on the chart.

1. Select *Measure* and press ENTER.
2. Move the cursor to the desired location. The distance will be shown in the measuring dialog.
3. To measure from the cursor position to a new location, press ENTER and move the cursor to a new location.
4. To stop measuring, press MENU and select *Stop measuring*.

**Waypoints, Routes, Trails**

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

Press the keypad left/right to toggle between waypoints, routes and trails tabs.
**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 dialog.

**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.

**Edit**

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

Creating a route
Routes can be created by inserting waypoints from the waypoints list or by using the cursor to position 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:
1. Press **MENU** from the Routes screen.
2. Select **New**... and press **ENTER**.
3. Press the keypad down to highlight the Leg Name field and press **ENTER**.
4. Press **MENU**, select **Add to End** and press **ENTER**.
5. Select **Waypoint from list** and press **ENTER**.
6. Select the desired waypoint and press **ENTER**.
7. Press **MENU** and select **Add to end** to add another waypoint to the route.
8. Repeat Steps 5-7 until the route is complete, press **MENU**, select **Stop Editing** and press **ENTER**.
9. Select **Save** and press **ENTER**.

Creating a route using points from chart:
1. Repeat Steps 1-4 from the instructions for Creating a route from waypoint list.
2. Select **Points using chart** and press **ENTER**. The chart page will appear.
3. Move the cursor to the desired location. Press **ENTER** to set a point.
4. Repeat Step 3 to add more points.
5. Press **MENU** and select **Stop adding**. Press **ENTER**.
6. Select **Save** and press **ENTER**.
Navigating a route

Routes can be navigated in forward or reverse.

1. Highlight the desired route on the Route screen and press MENU.

2. Select Start and press ENTER.

3. Select Forward or Reverse and press ENTER.

4. Press MENU and select Return to Chart. Press ENTER.

To cancel navigation:

1. Press Menu from the chart screen.

2. Select Navigation and press ENTER.

3. Highlight Cancel and press ENTER.

4. Select Yes and press ENTER.
**Edit and New Route dialogs**
Used to edit/create routes, route names and to turn on/off the route display.

Displays/hides route on the map

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

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

To finalize changes on the “Edit” or “New Route” dialogs, highlight the **Done** button 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.

Creating trails

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

To create a trail:

2. Select *Save* and press **ENTER**.
**Edit and New Trail dialogs**

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 Trails dialog.

**Navigating a trail**

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

**To save a trail as a route:**

1. Highlight the desired trail on the Trails screen and press **ENTER**. The Edit Trail menu will appear.

2. Highlight **Create Route** and press **ENTER**. The Edit Route menu will appear.

3. Highlight **Done** and press **ENTER**.

4. 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 or resume recording a desired trail.

**Delete and Delete All**

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

**Orientation**

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

**Overlay Data**

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

Overlay data setup is covered in the “Pages” section.

**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.

**Waypoints, Routes, Trails**

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

**Navigation Settings (Advanced mode only)**

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

**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.

**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.
**Settings**

**Settings menu**

Accesses installation and configuration settings for your unit.

**System**

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

*Advanced mode only*

Enables advanced features and settings

Displays software information
Set Language

Selects the language used on menus and text boxes.

Audio

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

GPS

Monitors the location of satellites in view and the quality of the unit’s satellite lock-on. GPS Source, WAAS/MSAS/EGNOS and Time features are accessed from the GPS dialog.

GPS Source

Selects the antenna your unit will use for GPS. You will use the built-in GPS antenna unless you have a LGC-16W external antenna (p/n: 000-00146-001).

WAAS/MSAS/EGNOS

Turns on/off WAAS, MSAS and EGNOS.

All three systems help increase GPS accuracy for different parts of the world.

Time

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

Trip Calculator

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

Advanced Mode

Enables features and settings only available with unit in Advanced Mode.
**Restore Defaults**
Switches the unit back to default settings.

**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.

**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.

Sounds alarm when Fish ID symbol appears on display
### Alarms

<table>
<thead>
<tr>
<th>Alarm</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Arrival</td>
<td>Sounds alarm when you are within a selected distance of your destination (Advanced Mode only)</td>
</tr>
<tr>
<td>Off Course</td>
<td>Sounds alarm when course exceeds a selected off-course threshold (Advanced Mode only)</td>
</tr>
<tr>
<td>Anchor</td>
<td>Sounds alarm when vessel moves a selected distance (Advanced Mode only)</td>
</tr>
<tr>
<td>Shallow</td>
<td>Sounds alarm when vessel enters water shallower than the selected shallow threshold</td>
</tr>
<tr>
<td>Fish</td>
<td>Sounds alarm when a fish symbol (Fish ID) appears on the sonar screen</td>
</tr>
</tbody>
</table>

### NMEA 0183 Output

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.
<table>
<thead>
<tr>
<th>Elite-5 HDI</th>
<th>Sonar</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>General</strong></td>
<td><strong>Max depth</strong></td>
</tr>
<tr>
<td><strong>Case Size</strong></td>
<td>300ft (91 m) 455/800Khz</td>
</tr>
<tr>
<td>5.4” H (136 mm) x 6.9” W (174 mm); 5.9” H (151 mm) with bracket</td>
<td>1000ft (305 m) 83/200kHz</td>
</tr>
<tr>
<td><strong>Display</strong></td>
<td>2500ft (762 m) 50/200kHz</td>
</tr>
<tr>
<td>(5” diagonal) 16-bit color Full color VGA Solar MAX™ Plus TFT</td>
<td><strong>Transducer Frequency</strong></td>
</tr>
<tr>
<td><strong>Waterproof standard</strong></td>
<td>455/800KHz and 83/200kHz or 50/200kHz</td>
</tr>
<tr>
<td>IPX7</td>
<td><strong>Max speed</strong></td>
</tr>
<tr>
<td><strong>Backlight</strong></td>
<td>70mph</td>
</tr>
<tr>
<td>LED (11 levels)</td>
<td><strong>Transducer</strong></td>
</tr>
<tr>
<td><strong>Communications</strong></td>
<td>HDI 50/200kHz</td>
</tr>
<tr>
<td>NMEA 0183 Output</td>
<td>HDI 83/200kHz</td>
</tr>
<tr>
<td><strong>Declaration of Conformity</strong></td>
<td>83/200kHz</td>
</tr>
<tr>
<td>Part 15.103 FCC rules &amp; CE RTTE directive 1999/5/EC</td>
<td><strong>Transducer cable</strong></td>
</tr>
<tr>
<td><strong>Power</strong></td>
<td>20ft (6m)</td>
</tr>
<tr>
<td><strong>Transmit Power</strong></td>
<td><strong>GPS</strong></td>
</tr>
<tr>
<td>250W RMS; 30,000 PTP</td>
<td><strong>Mapping card slot</strong></td>
</tr>
<tr>
<td><strong>Power Requirement</strong></td>
<td>microSD and microSDHC</td>
</tr>
<tr>
<td>12V</td>
<td><strong>GPS Antenna</strong></td>
</tr>
<tr>
<td><strong>Voltage Input</strong></td>
<td>High accuracy GPS antenna (internal); optional external GPS antenna sold separately</td>
</tr>
<tr>
<td>10 to 17V</td>
<td><strong>Mapping compatibility</strong></td>
</tr>
<tr>
<td><strong>Current drain</strong></td>
<td>Fishing Hot Spots &amp; Navionics (Hotmaps, Premium and Gold)</td>
</tr>
<tr>
<td>Typical: 1.1A</td>
<td><strong>Waypoints, Routes &amp; Trails</strong></td>
</tr>
<tr>
<td><strong>Fuse type</strong></td>
<td>Up to 3000 waypoints, 100 routes/100 waypoints per route, 100 retraceable plot trails/up to 10,000 points per trail</td>
</tr>
<tr>
<td>3-amp Automotive</td>
<td></td>
</tr>
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