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**Unit Controls**

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<th>Control</th>
<th>Function</th>
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<tbody>
<tr>
<td><strong>LIGHT/POWER:</strong></td>
<td>controls backlight level and turns unit on/off</td>
</tr>
<tr>
<td><strong>KEYPAD:</strong></td>
<td>controls cursor &amp; selects items on menus</td>
</tr>
<tr>
<td><strong>PAGES:</strong></td>
<td>allows you to select a page to view</td>
</tr>
<tr>
<td><strong>MENU:</strong></td>
<td>opens settings, context and page menus</td>
</tr>
<tr>
<td><strong>ENTER:</strong></td>
<td>finalizes menu selections; save waypoint at cursor position</td>
</tr>
<tr>
<td><strong>ZOOM Keys:</strong></td>
<td>used to zoom in/zoom out</td>
</tr>
<tr>
<td><strong>MOB:</strong></td>
<td>press and hold both Zoom keys to create a Man Overboard waypoint</td>
</tr>
<tr>
<td><strong>microSD slot:</strong></td>
<td>insert a blank microSD card to save screen captures; or insert a microSD mapping card to use mapping data (See illustration on page 2)</td>
</tr>
</tbody>
</table>

**Getting Started**

<table>
<thead>
<tr>
<th>Function</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Turn unit on/off</td>
<td>To turn on/off the unit, press and hold the <strong>LIGHT/POWER</strong> key for three seconds.</td>
</tr>
<tr>
<td>Man Overboard waypoint</td>
<td>Press the <strong>ZOOM IN</strong> and <strong>ZOOM OUT</strong> 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.</td>
</tr>
<tr>
<td>Adjusting the backlight</td>
<td>This unit has 10 backlight levels. Press the <strong>LIGHT/POWER</strong> key to switch backlight levels.</td>
</tr>
<tr>
<td>Muting Audio</td>
<td>Select <strong>Mute Audio</strong> from the System menu and press <strong>ENTER</strong>.</td>
</tr>
<tr>
<td>Selecting a GPS Source</td>
<td>Select <strong>GPS Source</strong> from the System menu and press <strong>ENTER</strong>. Select <em>internal</em> or <em>external</em> and press <strong>ENTER</strong>. (Elite-5 DSI only)</td>
</tr>
</tbody>
</table>
**Inserting/Removing 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.
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.

NOTICE

This manual covers several units. Some screen-shots may differ from what you see on your screen. Your unit, however, will function in a similar manner.

Pages

This unit has four pages: Steer, Chart, Chart/DSI and DSI.

Selecting Pages

To select a page, press the keypad in the direction of the desired page.
Basic Operation

Page menus

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

Steer page

Steer menu

DSI Page

DSI menu

Chart or DSI menu will appear depending on which panel is active. Press the PAGES key twice to switch active panels.

Chart page

Chart menu
Basic Operation

Accessing the Settings menu

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).

On/Off features
Select an on/off menu item and press ENTER to turn it on/off.

Dropdown menus
After accessing the dropdown menu, press the keypad up/down to select the desired item and press ENTER.
Basic Operation

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

**Dialogs**

Dialogs are used for user input or for presenting information to the user.

Depending on the type of information or 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**.

---

Switches keyboard between Alpha and QWERTY layout

Switches letters to uppercase/lowercase
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
Allows you to navigate to the cursor.

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

Advanced Mode
Enables advanced features and settings.

The following features are enabled when Advanced mode is turned on:
- Alarms (Enables arrival, off course and anchor alarm options)
- NMEA 0183 Output
- Units (Enables distance, speed, depth, temperature, and bearings options)

Standby mode
Lowers power consumption by turning off sonar and the display.

1. Press the PWR/LIGHT key to access the Backlight dialog.
2. Select *Standby* and press ENTER.
3. Press any key to resume normal operation.
Basic Operation

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.

Adjusting the display
You can make adjustments to the display using Contrast and Color settings. Both are covered in the DSI section.
Steer Page

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

DSI Page

Displays the water column moving from right to left on your unit’s screen.
Chart/DSI page

Consists of a Chart/DSI splitscreen. Press the Pages key twice to switch active panels. The active panel will have an orange border.

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.
Chart/Sonar split

Allows you to change the way the panels are displayed when viewing the Chart/Sonar page.

Press the Pages key twice to switch active panels.

Overlay Data

Displays selected overlay data on the sonar page.

Show

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

Configure

Used to select overlay data to be displayed on the screen.
Customizing Overlay Data

Access the Overlay Data configuration menu to make adjustments to the size and/or location of overlay data on the display.

Press Menu from the Configure Item Locations and Sizes screen to access the menu.

To select overlay data:

1. From the DSI or chart 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 category from the Configure Items to show screen. Press **ENTER**.
6. Press **MENU** and select **Return to overlay**.
7. Press **MENU**, select **Done Configuring** and press **ENTER**.
Using DSI

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.*

DSI menu

Press Menu from any DSI page to view the DSI 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.

DSI units do not have a Sensitivity setting like traditional sonar units. Contrast functions as the sensitivity setting for DSI units.

**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.
**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.

![Custom Range](image)

Upper and lower limits must be at least 6.5 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.

![Frequency Options](image)

**Split Zoom**

Changes the display to a split zoom view.

**Color**

Used to change the unit’s color palette. The Color setting allows you to select a palette best suited for 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. Mono-
Surface Clarity

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

Overlay Data

Allows you to select data (water temperature, depth, etc) to be displayed on top of the DSI screen.

Overlay data setup is covered in the Pages section.

Settings

Accesses the settings menu.

Stop Sonar

Pauses the sonar chart, allowing you to get a better look at suspended targets and structure.
DSI Interpretation

Baitball
16.7

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17.3

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11.4
Using your Chart

This section covers chart operation, which includes saving, loading and navigating, waypoints, routes and trails and using chart menus, context menus and submenus.

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.

**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.

**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:

1. Press **MENU** from the Routes screen.
2. 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**.
7. Press **MENU** and select **Add to end** to add another waypoint to the route.
8. When 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 from chart and press ENTER. The chart screen will appear.
3. Move the cursor to the desired location. Press ENTER to set a waypoint.
4. Repeat Step 3 to add more route waypoints.
5. Press MENU and select Stop adding. Press ENTER.
6. Highlight the Save button and press ENTER.

Navigating a route

Routes can be navigated in forward or reverse.

1. 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.
4. Press MENU and select Return to Chart. Press ENTER.
Chart

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 menus

Used to edit/create routes, route names and to turn on/off the route display. That allows you to display only desired routes on the map.

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, highlight the Accept 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. Use the keypad to highlight **Record** and press **ENTER** to make the trail active/inactive.
3. Select **Save** and press **ENTER**.

---

**Trails screen**

**Trails menu**
**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:**

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 (course over ground, etc) to be displayed on top of the Chart screen.

Overlay data setup is covered in the Pages section.

**Settings**

Accesses the Chart settings menu.
Press Menu twice to access the Settings menu.

**Language**
- Mute audio
- Time...
- GPS status...
- Data port: Tmp/Spd In...
- Chart/Sonar split Over...
- Advanced mode
- Restore defaults...
- Browse files...
- About...

**Arrival radius**
- Off course dist...
- 100 ft
- WAAS/MSAS/EGNOS
- Bearings Magnetic
- Variation Auto 4.7°E

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

**Chart data**
- Lowrance
- COG extension: Off
- Grid lines
- Waypoints
- Routes
- Trails
- Waypts, Routes, Trails...

**Navigation**
- Chart
- Sonar
- Alarms
- Units
- NMEA 0183...
- Simulator

**Settings menu**

**System menu**

Enables advanced features and settings.

Displays software information.
**Set Language**
Selects the language used on menus and text boxes.

**Mute Audio**
Turns on/off unit audio, like key beeps, alarm sounds, etc.

**Time**
Used to set local time, and select the time and date format.

**GPS Status**
Monitors the location of satellites in view and the quality of the unit’s satellite lock-on.

---

**GPS Source (Elite-5 DSI only)**
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).

**Data Port**
Selects the type of device connected to the unit’s Data port. The port can be configured for use as a NMEA 0183 port or a secondary speed/temp sensor.

**Chart/Sonar Split**
Allows you to display the Chart/Sonar combo page with pages split vertically or horizontally. Chart/Sonar split is covered in the pages section.
**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 (+).

NOTE: You cannot save screenshots to a Navionics card.

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.
Navigation

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.

WAAS/MSAS/EGNOS

Turns on/off the Wide Area Augmentation System (WAAS), Multi-Functional Satellite Augmentation System (MSAS) and European Geostationary Navigation Overlay Service (EGNOS).

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

**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.

**Chart**

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.

---

**WARNING:** You should only use the Manual magnetic variation setting if you have variation information from a verified source.
**COG Extension**
A line extending from the front of the current position icon that estimates time and distance it will take to get to areas in front of you.

**Grid Lines**
Displays base values for latitude and longitude, making it easier to estimate your location on the latitude/longitude scale.

**Waypoints, Routes and Trails 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 section.

**Sonar**
Used to make adjustments to Sonar options and settings.

**Sonar Settings Menu**
Restricts unit’s digital depth search capability
Settings

**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 the undesired signals.

**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.]

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

**Installation**

Provides access to Keel Offset and Temp Calibration settings.

![Installation menu]

**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.

**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**
Reset Water Distance to zero.

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

<table>
<thead>
<tr>
<th>Alarms</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Arrival</td>
<td>sounds alarm when you are within a selected distance of your destination</td>
</tr>
<tr>
<td></td>
<td><em>(Advanced Mode only)</em></td>
</tr>
<tr>
<td>Off Course</td>
<td>sounds alarm when your course exceeds a selected off-course threshold</td>
</tr>
<tr>
<td></td>
<td><em>(Advanced Mode only)</em></td>
</tr>
<tr>
<td>Anchor</td>
<td>sounds alarm when vessel moves a selected distance</td>
</tr>
<tr>
<td></td>
<td><em>(Advanced Mode only)</em></td>
</tr>
<tr>
<td>Shallow</td>
<td>sounds alarm when vessel enters water shallower than the selected shallow</td>
</tr>
<tr>
<td></td>
<td>threshold</td>
</tr>
</tbody>
</table>
**Settings**

**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.

- **Basic Mode**
  - U.S. Standard
  - U.S. Nautical
  - Metric

- **Advanced Mode**
  - Distance (Miles)
  - Speed (MPH)
  - Depth (Feet)
  - Temperature (Fahrenheit)
  - Bearings (True)

**NMEA 0183 Output**

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

**Simulator**

Simulates GPS and sonar activity. Simulations can be customized on the Simulator options menu.
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</tr>
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| Manual Overboard waypoint 3
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#### Elite 5 DSI

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<th>DSI Sonar</th>
</tr>
</thead>
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<tr>
<td><strong>Case Size</strong></td>
<td>Max depth</td>
</tr>
<tr>
<td>5.4” H (134mm) x 6.8” W (174mm); 6” H (152mm) with bracket</td>
<td>250 ft (76m)</td>
</tr>
<tr>
<td><strong>Display</strong></td>
<td>Transducer Frequency</td>
</tr>
<tr>
<td>(5” diagonal) Enhanced Solar MAX™ 480x480 256 color TFT LCD</td>
<td>455/800kHz</td>
</tr>
<tr>
<td><strong>Backlight</strong></td>
<td>Max speed</td>
</tr>
<tr>
<td>Cold cathode fluorescent lamp (10 levels)</td>
<td>50 mph (80 kph)</td>
</tr>
<tr>
<td><strong>Communications</strong></td>
<td>Transducer</td>
</tr>
<tr>
<td>NMEA 0183 Output</td>
<td>DSI (Downscan) transducer</td>
</tr>
<tr>
<td><strong>Shared devices supported</strong></td>
<td>Transducer cable</td>
</tr>
<tr>
<td>VHF and Autopilot through NMEA 0183</td>
<td>20ft (6m)</td>
</tr>
<tr>
<td><strong>Power</strong></td>
<td><strong>GPS</strong></td>
</tr>
<tr>
<td><strong>Transmit Power</strong></td>
<td><strong>Mapping card slot</strong></td>
</tr>
<tr>
<td>4000W PTP; 500W RMS</td>
<td>microSD (up to 2GB); microSDHC high capacity cards are not compatible</td>
</tr>
<tr>
<td><strong>Power Requirement</strong></td>
<td><strong>GPS Antenna</strong></td>
</tr>
<tr>
<td>12 Volts DC</td>
<td>16 parallel channel (internal); optional external GPS antenna sold separately</td>
</tr>
<tr>
<td><strong>Voltage Input</strong></td>
<td><strong>Mapping compatibility</strong></td>
</tr>
<tr>
<td>10 to 17V</td>
<td>Fishing Hot Spots, NauticPath &amp; Navionics (HotMaps, Premium &amp; Gold)</td>
</tr>
<tr>
<td><strong>Current drain</strong></td>
<td><strong>Waypoints, Routes &amp; Trails</strong></td>
</tr>
<tr>
<td>13.5V (630mA)</td>
<td>Up to 3000 waypoints, 100 routes and 100 retraceable plot trails</td>
</tr>
<tr>
<td><strong>Fuse type</strong></td>
<td></td>
</tr>
<tr>
<td>3-amp Automotive (not supplied)</td>
<td></td>
</tr>
</tbody>
</table>
### Elite 4 DSI & Mark 4 DSI

#### General

<table>
<thead>
<tr>
<th>Case Size</th>
<th>5.6” H (144mm) x 3.7” W (94.3mm); 6.4” H (164mm) with bracket</th>
</tr>
</thead>
<tbody>
<tr>
<td>Display</td>
<td>Elite 4: (3.5” diagonal) 320x240 (256 color) TFT LCD</td>
</tr>
<tr>
<td></td>
<td>Mark 4: (3.5” diagonal) 320x240 monochrome TFT LCD</td>
</tr>
<tr>
<td>Backlight</td>
<td>White LED (10 levels)</td>
</tr>
<tr>
<td>Communications</td>
<td>NMEA 0183 Output</td>
</tr>
<tr>
<td>Shared device supported</td>
<td>VHF and Autopilot through NMEA 0183</td>
</tr>
</tbody>
</table>

#### Power

<table>
<thead>
<tr>
<th>Transmit Power</th>
<th>2800W PTP; 350W RMS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Power Requirement</td>
<td>12V</td>
</tr>
<tr>
<td>Voltage Input</td>
<td>10 to 17V</td>
</tr>
<tr>
<td>Current drain</td>
<td>at 13.5V (250mA)</td>
</tr>
<tr>
<td>Fuse type</td>
<td>3-amp Automotive (not supplied)</td>
</tr>
</tbody>
</table>

#### DSI Sonar

<table>
<thead>
<tr>
<th>Max depth</th>
<th>200 ft (76m)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Transducer Frequency</td>
<td>455/800kHz</td>
</tr>
<tr>
<td>Max speed</td>
<td>50 mph (80 kph)</td>
</tr>
<tr>
<td></td>
<td>2-8 mph (3-12 kph) optimal for imaging</td>
</tr>
<tr>
<td>Transducer</td>
<td>DSI (Downscan) transducer</td>
</tr>
<tr>
<td>Transducer cable</td>
<td>20ft (6m)</td>
</tr>
</tbody>
</table>

#### GPS

<table>
<thead>
<tr>
<th>Mapping card slot</th>
<th>microSD (up to 2GB); microSDHC high capacity cards are not compatible</th>
</tr>
</thead>
<tbody>
<tr>
<td>GPS Antenna</td>
<td>16 parallel channel (internal); optional external GPS antenna sold separately</td>
</tr>
<tr>
<td>Mapping compatibility</td>
<td>Fishing Hot Spots, NauticPath &amp; Navionics (HotMaps, Premium &amp; Gold)</td>
</tr>
<tr>
<td>Waypoints, Routes &amp; Trails</td>
<td>Up to 3000 waypoints, 100 routes and 100 retraceable plot trails</td>
</tr>
</tbody>
</table>
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…outside Canada and the USA:
Contact the dealer in the country where you purchased your unit. To locate a dealer near you, see the instructions in paragraph number 1 below.

Accessory Ordering Information
LEI Extras is the accessory source for sonar and GPS products manufactured by Lowrance Electronics. To order Lowrance accessories, please contact:

1) Your local marine dealer or consumer electronics store. To locate a Lowrance dealer, visit the web site, www.lowrance.com, and look for the Dealer Locator; or, consult your telephone directory for listings.


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