LOWRANCE



Elite 5 Sonar/GPS & Elite 5m GPS

Installation & Operation manual

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Elite Series Installation

This document covers the installation of the transducer and display unit installation, which includes connecting the unit to power and installing the unit on the bracket mount. Make sure you read all the installation instructions before drilling holes in your vessel.





NOTE: This majority of this installation does not apply to the Elite 5m since it does not have a transducer. Turn to pages 9-11 for information on mounting the display unit and connecting the unit to power.

Transducer Installation

One piece bracket (Recommended Tools and Supplies — not included)		
Drill	Marine grade above-or-below waterline sealant	
1" (25mm) or 5/8" (15mm) drill bit	Marine grade epoxy (Shoot-thru-hull install only)	
#29 (0.136") (3mm) drill bit	Zip ties (trolling motor mount)	
Phillips (Slotted-head) screwdriver	TMB-S bracket kit (Skimmer trolling motor mount)	

A. Select a transducer location

To function properly the Skimmer transducer must be in the water at all times and in a location that has a smooth flow of water when the boat is moving.

If the transducer is not placed in a smooth flow of water, interference caused by bubbles and turbulence may show on-screen as random lines or dots. The unit also could lose bottom signal when the boat is on plane.



 \bowtie

NOTE: Mount the transducer at least one foot away from the engine lower unit.

B. Aligning Ratchets on Transducer bracket

You will use the ratchets to ensure the transducer is installed parallel to the ground.

 Insert the ratchets in the bracket with the letter "A" aligned with the dot stamped on the outside of the transducer bracket.



- 2. Slide the transducer into the bracket and temporarily slide the bolt through the transducer bracket.
- 3. Hold the transducer assembly against the transom. Look at the transducer from the side. If it is parallel to the ground, then the "A" position is correct.
- 4. If the transducer can not be adjusted so its face is parallel to the ground, remove the transducer and ratchets from the bracket. Reinsert the ratchets into the bracket, this time



with the letter "B" aligned with the dot stamped in the bracket. Reassemble the transducer and bracket and place it against the transom.

5. Check to see if the transducer will adjust so its face is parallel with the ground. Repeat this process until the transducer can be adjusted so its face is parallel with the ground.

C. Assembling the Transducer bracket

After determining the correct position for the ratchets, loosely assemble the transducer and bracket assembly.



D. Attaching the Transducer to the Transom

- 1. Adjust the transducer so its face is parallel with the ground and its center line is even with the bottom of the boat hull.
- 2. Hold the transducer and bracket assembly against the transom. When the transducer and bracket are properly aligned mark its position on the hull.
- 3. Drill the mounting holes for the transducer bracket. Use a #29 bit (for the #10 screws).

Routing cables

When mounting your transducer, make sure to leave some slack in the cable near the transducer. If you need to drill a hole in the transom to pass the connector through, the hole size will depend on the connector on the end of the transducer's cable.

E. Make a test run to determine the results

After the transducer is installed make a test run to ensure the transducer is installed properly. Use the slots in the transducer mounting bracket to loosen the screws and slide the transducer up or down, if adjustments are necessary.





De not over tighten the lock nut; cínerwise transducer may not kickup if it strikes an object.

Shoot-thru-hull Skimmer and Pod transducer installation

Before attempting any installation on boats with flotation material sandwiched within the hull, consult the boat manufacturer. In a shoot-thru-hull installation the transducer is epoxied to the inside of the boat hull.

A transducer can not shoot through wood or metal hulls. Wood and metal hulls require either a transom mount

or thru-hull installation. For shoot-thru-hull applications many boat hulls have a flat keel pad that offers a good transducer mounting surface.

Make sure the Skimmer transducer is oriented so the nose of the transducer is facing the bow (front) of the boat. If the transducer has a built in temp sensor, it will only show the temperature of the hull, not the water temp.



(!)

WARNING: Do not remove material from the inner hull. Careless grinding on the hull could damage hull integrity. Contact the boat dealer or manufacturer to confirm hull specifications.

Before you epoxy the transducer to the hull, make sure the area is clean, dry and free of oil or grease.

The surface of the hull must be flat so the entire transducer face is in contact with the hull. Also, make sure the cable is long enough to reach the sonar unit.

On vee hulls try to place the transducer where the dead rise is 10° or less.

To use shoot-thru-hull installation:

- 1. Sand the inside surface of the hull, where the transducer is to be epoxied, and the face of the transducer. Sand the hull until it is smooth to the touch. The sanded area should be about 1-1/2 times the diameter of the transducer.
- 2. After sanding, clean the hull and the face of the transducer with an alcohol wipe to remove any dust.
- 3. Apply a thin layer of epoxy (about 1-16" or 1.5 mm) on the face of the transducer and the sanded area on the hull. Be careful when mounting a transducer inside a boat hull. Once epoxied into position, the transducer can be very difficult to remove.
- 4. Press the transducer into the epoxy, turning it to force out any air bubbles from under the transducer face. Make sure there are no air pockets in the epoxy layers.
- 5. Stop pressing when it bottoms out on the hull. Apply pressure to hold the transducer in place while the epoxy sets. Be careful not to move the transducer while the epoxy is setting. Allow the epoxy to set before moving the boat.
- 6. When finished, the face of the transducer should be parallel with the hull with a minimum amount of epoxy between the hull and transducer.

Sand transducer face and mounting location



Apply epoxy to transducer face and mounting location.



Epoxy transducer to hull.

Trolling motor Skimmer and Pod Installation

The TMB-S trolling motor bracket (Part No. 51-45) is an *optional* accessory and is available through LEI Extras at www.lei-extras.com. The TMB-S bracket is used to attach a one-piece bracket skimmer transducer to a trolling motor. The Pod transducer does not need a TMB-S trolling motor bracket to be installed on a trolling motor. It only needs a hose clamp (adjustable strap).

Installing transducer on trolling motor:

- 1. Using the components supplied with the TMB-S bracket attach the skimmer transducer to the bracket as shown in the diagram.
- 2. Slide the adjustable strap (hose clamp) through the plastic bracket on the skimmer transducer or through the Pod transducer slots and then slip the strap around the trolling motor.



3. Position the transducer so its face is pointing straight down when the trolling motor is in the water.



The top of the Pod transducer is curved to fit the contour of the trolling motor, so you do not need a TMB-S mounting bracket.



Position the transducer to so its face is pointing straight down when the trolling motor is in the water.

 Tighten the adjustable strap securely to the trolling motor. Make sure there is enough slack in the transducer cable for the trolling motor to turn freely.



Mounting display unit

Before mounting the display unit mount, make sure there is nothing in the area that will obstruct the display unit when it is installed on the bracket.



To install bracket mount:

- 1. Place the bracket on the desired mounting surface and mark the four mounting holes. If you want to run the unit's cables up through the mounting surface, make a mark in the center of the bracket mounting surface.
- 2. Drill pilot holes for the four mounting holes. If desired, use a 1-inch (25mm) bit to drill the center cabling hole in the mounting surface.
- 3. If you are running the cables up through the mounting surface, push the cables through the mounting surface and then pull them through the cabling hole in the center of the bracket.
- 4. Align the mounting bracket with the four mounting holes and use the supplied screws to fasten it to the mounting surface.
- 5. Connect the display unit to the bracket mount.

Connecting to Power

- 1. Connect the black wire to a ground.
- 2. Attach a 3 Amp fuse to the end of the power wire and then connect the fuse to the positive (+) terminal on the battery.
- 3. Connect the Power cable to the Power port on the back of the display unit.



NOTE: Use 18 gauge wire to extend the power or ground wires.



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Basic Operation

PAGES: Opens ZOOM Keys: us		ed to zoom in/zoom	Get	ting Started
pages menu; out; press and hold both keys to allows you to select a page to view PAGES MOB PAGES MENU: Opens settings, context and page menus ENTER: finalizes menu selections; save waypoint at cursor position MICROSD CARD SLOT: insert microSD Card here	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 at your location.		
	Adjusting the backlight	This unit has 11 backlight levels. Press the LIGHT / POWER key to switch backlight levels.		
	microSD CARD SLOT: insert microSD card here	Muting Audio	Select <i>Mute Audio</i> from the System menu and press ENTER.	
LIGHT/POWER backlight level a unit on/off	: controls nd turns		Selecting a GPS Source	Select <i>GPS Source</i> from the System menu and press ENTER . Select <i>internal</i> or <i>external</i> and press ENTER .

Basic Operation

Menu operation

This unit has four page screens: Steer, Sonar, Chart/ Sonar and Chart.





Pages menu

System

Chart

Sonar

Units

Alarms

NMEA 0183... Simulator

Navigation

Page context menus

Steer page

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



Settings menu

13



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**.



Making adjustments

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

Press the keypad up/down to select the desired item and press **ENTER**.

Tmp/Spd port Tmp/Spd input
Advanced mode
Tmp/Spd input
Restore defaults
About...

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**.

Exiting menus

If a screen or menu has an exit option (Close, Return to screen, Exit dialog) highlight the exit option and press **ENTER** to exit.

If there is no exit option press the **MENU** key repeatedly to close all menus.



Fishing Mode

Fishing modes enhance the performance of your unit by providing preset packages of sonar settings geared to specific fishing conditions (Elite 5 only).





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

Fishing Mode Options			
General Use	Bottom brown/blue background; 50% ping speed		
Shallow Water	Bottom brown/white background; best for depths less than 100 feet		
Fresh Water	Bottom brown/white background; 50% ping speed		
Deep Water	Deep Blue; 50% ping speed; 50kHz is primary transducer frequency		
Slow Trolling	Bottom brown/white background; 50% ping speed		
Fast Trolling	Bottom brown/white background; slightly lower chart speed		
Clear Water	Bottom brown/white background; 50% ping speed		
Brackish Water	Bottom brown/blue background; higher ASP; slightly lower chart speed		

Cursor

The keypad moves the cursor around the display, allowing you to scroll the map, select map items and review sonar history (Elite 5 only). Press **MENU** and select *Return to vessel* to clear the cursor.

Advanced Mode

Enables advanced features and settings.

 Tmp/Spd port
 Tmp/Spd input

 Advanced mode
 X

 Restore defaults

Advanced Mode features			
Colorline	Enables manual control of colorline		
Surface Clarity Enables control of surface clarity			
Ping Rate	Ping Rate Enables manual control of ping rate		
Alarms Enables Arrival, Off Course and Anc alarms			
NMEA 0183 Enables NMEA 0183 interface			
Units	Enables Distance, Speed, Depth, Temperature and Bearings		

Restore defaults

Resets unit options and settings to defaults.

Advanced mode	\boxtimes
Restore defaults	
About	

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.

Displays the water column moving from right to left on your unit's screen. On the right side of the screen, the Amplitude Scope bar previews echoes about to appear on the display.

Pages



Chart/Sonar Page

Chart/Sonar page (Elite 5 only)

Consists of a chart/sonar splitscreen. Press the **PAGES** key twice to switch active panels.



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.

Overlay Data

Displays selected data on the Sonar, Chart/Sonar and Chart pages.



To select overlay data:

- 1. From a sonar 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**.

Show

Shows/hides selected overlay data on the display.



Customizing Overlay Data

Overlay Data can be resized, moved or removed from the display from the Overlay data menu.

Press **MENU** from the Overlay Data screen to access the menu.

Using your Sonar

This section covers sonar operation, which includes viewing sonar history and using sonar menus, context menus and submenus. Information is arranged in the same order as the menus.



Viewing Sonar History

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



Move the blue sonar history bar all the way to the right to resume normal sonar scrolling.

Press **MENU** and select *Exit cursor mode* to remove the cursor from the screen.

Sonar Menu

The sonar menu has options and settings that affect the appearance of the display.





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.



New waypoint menu

Adjust (Advanced Mode only)

Used to make adjustments to Sensitivity and Colorline.



Sensitivity

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





to 85 percent.

to 65 percent.

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 line, whereas a soft return will be a narrow reddish-blue line

Reddish-blue soft sonar returns

Wide vellow hard sonar return



Auto Sensitivity

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



NOTE: You can make minor changes to sensitivity with Auto Sensitivity turned on. You will have to turn it off to make significant adjustments.

60

20

30 40

60 100

Depth Range

Selects the section of the water column — from surface to bottom — shown on the display.

Custom Range — Upper and Lower Limits (Advanced Mode only)

Used to select the upper depth and lower depth of a desired portion of the water column, allowing you to select a range that does not include the water surface. Upper and lower limits must be at least 6.5 ft (2m) apart.



Frequency

Controls the transducer frequency used by the unit.

This unit supports two frequencies: 200kHz and 83kHz.

200 kHz has the highest sensitivity and best target discrimination in shallow water. 83 kHz offers a wider cone angle for more water coverage.



200/83 kHz 200 kHz 83 kHz 200/83 kHz Frequency menu



Split frequency sonar view

Ping Speed (Advanced Mode only)

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

Sonar Options menu

Accesses sonar display settings and configuration options.



Split Zoom and Split Flasher

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



Split Zoom display



Split Flasher display

Sonar Operation

Color

Allow you to change the look of the display using palettes with varying degrees of color and brightness.





Mighten

Amplitude Scope

Displays the amplitude of realtime echoes before they appear on the display.



Fish ID

Displays fish echoes as fish symbols instead of arches. Fish ID is not as effective a fish finding method as the default fish arch setting.

Ice Mode

Turns on a package of sonar settings that enhance the performance of your unit when ice fishing.

Stop Sonar

Pauses the sonar chart, allowing you to get a closer look at sonar echoes.

Overlay Data and Settings

Overlay Data is covered in the Basic Operation section. Settings accesses the Settings menu, but will only be shown on the map when the unit is in Advanced mode.

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

Accesses Chart settings and options like map orientation and waypoints, routes and trails.

New Waypoint
Waypoints, routes, trails
Orientation North up
Overlay Data
Settings



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.



0.0

0.00

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 can also add waypoints by selecting existing waypoints from the chart.



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 route screen window and press **MENU**.

- 4. 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. Repeat Steps 5-7.
- 9. When the route is complete, highlight the *Accept* button on the New Route screen and press **ENTER**.



Add waypoints from list or Points from chart.

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 inserting*. Press **ENTER**.
- 6. Highlight the *Accept* 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**.

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.

Route name keyboard

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 menu.



To create a trail:

- 1. Select *New* and press **ENTER**. The New Trail menu will appear.
- 2. Use the keypad to highlight *Record* and press **ENTER** to make the trail active/inactive.



3. 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:

- 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 the *Accept* button 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.

Create route (from trail)

Used to convert a trail into a route, which allows you to navigate a selected trail.

Edit Trail		
Trail 1		
🔀 Displayed	Record	
Create route		
Save	Cancel	

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 and Settings

Overlay Data is covered in the Basic Operation section. Settings accesses the Settings menu, but will only be shown on the map when the unit is in Advanced mode.

Settings Menu

Accesses to 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 text boxes



Mute Audio

Turns on/off unit audio. Refer to the Basic Operation section for instructions.

Time

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

Time	
Local time	10:41AM
Time format	12 hour 🔻
Date format	MM/dd/YYYY 💌
Save	Close

GPS Status

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



GPS Source

Selects the type of GPS antenna used by your unit.

Internal antenna External antenna

Tmp/Spd port

Selects the type of device 0183 output connected to the unit's Temp/ Tmp/Spd input Speed port.

Advanced Mode

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

Restore Defaults

Switches the unit back to default settings.



About

Displays software information about this unit.

Navigation

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



Arrival Radius

Sets arrival radius threshold for the Arrival alarm. When the selected arrival radius is exceeded, the arrival alarm will sound when the alarm is enabled.

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).

Bearings

Controls whether bearing will be calculated using True North or Magnetic North settings.

Magnetic Variation

Controls whether magnetic variation will be calculated using Automatic or Manual settings.

Chart

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



Chart Data

Selects map data that will be used on the Chart display (Lowrance or Navionics regional map).



trails screen

COG Extension

A line extending from the front of the current position icon that is used to estimate distance and time of arrival.

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.

Sonar

Used to make adjustments to Sonar options and display settings like Noise Rejection, Surface and Fishing Mode.



Noise Rejection

Noise Rejection counteracts sonar signal interference by reducing onscreen clutter.

Surface Clarity (Advanced Mode only)

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



Surface Clutter

Manual Mode

In this mode, the unit sends sonar signals (pings) only to the depth range you select, instead of automatically searching for the bottom. That makes it easier to focus on suspended targets.

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

Switches Fishing Mode to the default General Use setting.



Installation menu

Installation

Provides access to Keel Offset and Temp Calibration settings.

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 one temp sensor with data from another temp source to ensure the accuracy of temperature data.

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.



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	

Units

Allows you to select the unit of measure for Distance, Speed, Depth and Temperature, when the unit is in Advanced mode.

LLC Chandrad	Distance Miles
	Speed MPH
U.S. Standard	Depth Feet
U.S. Nautical	Temperature Fahrenheit
Metric	Bearings True
Basic Mode	Advanced Mode

Simulator

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

Simulator Options Sonar	
GPS source Speed (mph) Course (°T)	Sonar × Sonar Course
Set start position	
Simulate	Cancel

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Specifications

General		
Case Size	5.4" H (134mm) x 6.8" W (174mm); 6" H (152mm) with bracket	
Display	(5" diagonal) Enhanced Solar MAX™ 480x480 color TFT LCD	
Backlight	Cold cathode fluorescent lamp (11 levels)	
Communications	NMEA 0183	
Shared devices supported	VHF and Autopilot through NMEA 0183	
Power		
Transmit Power	4000W PTP; 500W RMS (Elite 5 only)	
Power Requirement	10 to 18 Volts DC	
Voltage Input	10 to 17V	
Current drain	Typical: .75A	
Fuse type	3-amp Automotive (not supplied)	
Sonar (Elite 5 only)		
Max depth	1000ft (305m)	
Target separation	1.5"	
Transducer Frequency	83/200kHz	
Max speed	70mph	

Transducer	Skimmer with built in temp sensor	
Transducer cable	20ft (6m)	
GPS		
Mapping card slot	microSD (microSDHC high capacity cards are not compatible	
GPS Antenna	16 parallel channel (internal); optional external GPS antenna sold separately	
Mapping compatibility	Fishing Hot Spots, Lake Master, NauticPath & Navionics (premium)	
Waypoints	Up to 1000 waypoints and 100 retraceable plot trails	

Limited Warranty

Subject to the terms, conditions and limitations set forth in the Navico Limited Warranty (hereinafter, the "Warranty"), Navico warrants that its products, when properly used and ins stalled will be free from defects in material and workmanship for a period of:

Lowrance, Eagle & Northstar Explorer, excluding Lowrance HDS: Twelve (12) months

Peripheral devices for all Navico brands including, but not limited to, transducers, fuel and wind sensors, cables: Twelve (12) months

Northstar (excluding Explorer), Simrad, B&G, Lowrance HDS systems and Yellow Ethernet connected products, excluding all peripheral devices for all brands: Twenty-four (24) months

from the date of first purchase (the "Warranty Period").

For the purpose of this Warranty, "date of first purchase" means the date that the product was purchased by the first retail customer, or in the case of a product installed on a new vessel by a Certified/Approved Navico Boatbuilder, the date that such vessel was purchased by the first retail customer. Navico will, at its sole discretion, repair or replace with new or refurbished parts or product, or equivalent product, any proven defective products or components returned to Navico, or its approved agent during the Warranty Period in accordance with the terms, conditions and limitations set forth below.

Such repairs or replacement will be the sole remedy of the customer under this Warranty Repaired or replaced product will be warranted for the balance of the original product's Warranty Period.

Standard Warranty Service

To obtain your remedy under this Warranty:

- Contact Navico or your local Navico Certified/Approved dealer or Distributor to confirm your product's warranty status and obtain a Return Material Authorization number. A list of Navico Certified/Approved dealers is available at www.navico.com or through your original Navico dealer of purchase.
- 2. Upon authorization securely pack the product, along with a valid proof of purchase (indicating the product purchased, serial number, place and date of first purchase), and any other information Navico requests, such as a copy of any Return Material Authorization form you may receive. Ship the product and other required items to the address specified by the Navico Certified/Approved dealer contacted.

You must pay for shipping and any insurance to get the product to the Navico Service Centre. You assume all risk of loss and/or damage to the product until it arrives at the Navico Service Centre. Navico will pay for shipping of the returned product to your nominated address, within the jurisdiction of first purchase. Shipping mode and carrier is at Navico's discretion; the customer must request, and pay for, any variation.

Navico will not be responsible for the loss of or alteration of any user data and settings stored in the product. You should back up or otherwise preserve all data before sending the product to Navico.

Limitations and Exclusions

In addition to other limitations and exclusions set forth herein, Navico is not responsible for, and this Warranty does not cover:

- · products where the serial number has been altered, mutilated or removed;
- failures due to abuse, misuse, overvoltage, accident, unauthorized alteration or repair, improper installation (whether or not by a Navico Certified/Approved dealer or service agent), shipping damage, alterations, corrosion and normal wear and tear;
- costs associated with routine system checkouts, calibration, alignment, sea-trials or commissioning;
- costs associated with hauling, dockage, or vessel transportation for the replacement of transducers;

 consumable items, whether repaired or replaced including, but not limited to the following: fuses, batteries, bulbs, bearings, motor brushes, drive-belts, magnetrons, paddlewheels, paddlewheel bearings, paddlewheel blades and paddlewheel shafts;

costs associated with software updates, where the product is not faulty;

- differences in material, coloring or size that may exist between actual products and the pictures or descriptions of such;
- replacement of missing components from the package of any product not purchased from an authorized Navico dealer or agent.

The product, including any associated electronics charts, is an aid to navigation designed to facilitate the use of authorized government charts, not to replace them. Navico has made commercially reasonable efforts to ensure the accuracy of data contained in the product, but errors and omissions are inevitable. The vessel operator is responsible for cross-checking the product against other sources of navigation data. Navico recommends having back up navigation tools available in the event that the product becomes inoperable.

Other Conditions

This Warranty is fully transferable only to persons located within the jurisdiction where the product was first purchased from a Navico certified dealer or Navico Boatbuilder and installed and providing an original proof of purchase is provided to Navico or to a Navico-Certified/Approved service agent. For this purpose and the foregoing herein, all states within the US and Canada shall be treated as a single jurisdiction and it is intended, subject to any other conditions stated herein, that this Waranty may be transferred and this product may be sold, distributed and used, within the US and Canada.

SUBJECT TO THE ABOVE, THIS PRODUCT IS INTENDED FOR SALE, DISTRIBUTION AND USE ONLY WITHIN THE JURSDICTION OF THE NAVICO CERTIFIED DEALER OR NAVICO BOATBUILDER FROM WHICH IT WAS FIRST PURCHASED AND IN WHICH IT WAS INSTALLED AND NOT ANY OTHER COUNTRY OR JURISDICTION. This product will not function or perform as intended and will not be of merchantable, satisfactory or acceptable quality if sold, distributed, transported or used outside the jurisdiction of the Navico certified dealer or Navico Boatbuilder from which it was first purchased and in which it was installed (unless upgraded by Navico at the customer's cost) and, to the maximum extent permitted by applicable law, (i) all representations, warranties, conditions, guarantees and other terms (whether express or implied) are excluded and (ii) Navico and its affilates assume no responsibility whatsoever and are not liable in any way for this product or its repair, replacement, servicing, upgrading or modification.

To the extent consistent with local and regional law, the foregoing Warranty is Navico's sole warranty.

There are no express warranties other than those listed and described above, and no warranties whether express or implied, including, but not limited to, any implied warranties of merchantability or fitness for a particular purpose, shall apply after the express warranty periods stated above, and no other express warranty or guarantee given by any person, firm or corporation with respect to this product shall be binding on Navico. Navico. Shall not be liable for loss of revenue or profits, failure to realize savings or other benefits, or any other special, incidental or consequential damages caused by the use, misuse or inability to use this product. Recovery amounts of any kind against Navico shall not be greater than the purchase price of the product sold by Navico and causing the alleged damage. Without limiting the foregoing, purchaser assumes all risk and liability for loss, damage or injury to purchaser and purchaser's property and to others and their property arising out of the use, misuse or inability to use this product sold by Navico.

Navico reserves the right to make changes or improvements from time to time without incurring the obligation to install such improvements or changes on equipment previously manufactured.

This Warranty gives you specific legal rights; your rights may vary from jurisdiction to jurisdiction.

This Warranty supersedes and replaces all previous Warranties.

Navico Databases License Agreement

THIS IS A LEGAL AGREEMENT BETWEEN THE END-USER WHO FIRST PURCHASES THIS PRODUCT AS A CONSUMER ITEM FOR PERSONAL, FAMILY, OR HOUSEHOLD USE ("YOU") AND NAVICO, THE MANUFACTURER OF THIS PRODUCT ("WE", "OUR", OR "US"). USING THE PRODUCT ACCOMPANIED BY THIS LICENSE AGREEMENT CONSTITUTES ACCEPTANCE OF THESE TERMS AND CONDITIONS, PROMPTLY RETURN THE PRODUCT WITHIN 30 DAYS OF PURCHASE, PLEASE RETURN USING THE ENCLOSED UPS SHIPPING LABEL AND INCLUDE: PROOF OF PURCHASE, NAME, ADDRESS, AND PHONE NUMBER, YOUR PURCHASE TO PROCESS YOUR REFUND.

- This License Agreement applies to the one or more databases that your product may contain. We refer to these singly as a "Database" and together as the "Databases." Your product may thus include the "WBS Database" which contains worldwide background surface mapping data, the "SmartMap Database" which contains inland mapping data, or other Databases.
- 2. The Databases that your product may contain are licensed, not sold. We grant to you the nonexclusive, nonassignable right to use these Databases for supplemental navigation reference purposes, but only as long as you comply with the terms and conditions of this License Agreement. We reserve the right to terminate this license if you violate any aspect of this License Agreement. You are responsible for using official government charts and prudent navigation for safe travel.
- 3. The Databases housed in your product are protected by the copyright notices appearing on the product or its screen(s). You may NOT modify, adapt, translate, reverse engineer, decompile, disassemble; rent, lease, or resell any Database, and you may NOT create derivative works based upon any Database or its contents. Any unauthorized reproduction, use, or transfer of a Database may be a crime and may subject you to damages and attorney fees.

- 4. This License Agreement will terminate immediately without prior notice from us if you fail to comply with or violate any of the provisions of this Agreement. Upon termination, you will promptly return all products containing one or more Databases to us.
- Prices and programs are subject to change without notice.
- This License Agreement shall be governed by the laws of the State of Oklahoma and comprises the complete and exclusive understanding between you and us concerning the above subject matter.

Databases Limited Warranty

"We", "our", or "us" refers to Navico, the manufacturer of this product. "You" or "your" refers to the first person who purchases the product as a consumer item for personal, family, or household use. The Databases Limited Warranty applies to the one or more databases that your product may contain. We refer to each of these as a "Database" or together as the "Databases." Your product may thus include the "WBS Database" which contains worldwide background surface mapping data, the "SmartMap Database" which contains inland mapping data, or other Databases.

We warrant to you that we have accurately compiled, processed, and reproduced the portions of the source material on which the Databases are based. However, we are under no obligation to provide updates to the Databases, and the data contained in the Databases may be incomplete when compared to the source material. WE MAKE NO EXPRESS OR IMPLIED WARRANTY OF ANY KIND ABOUT THE ACCURACY OF THE SOURCE MATERIAL ITSELF, INCLUDING BUT NOT LIMITED TO IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.

If there is a defect in any Database, your exclusive remedy shall be, at our option, either a refund of the price you paid for the product containing the defective Database or a replacement of such product. WE WILL NOT UNDER ANY CIRCUMSTANCES BE LIABLE TO ANYONE FOR ANY SPECIAL, CONSEQUENTIAL, INCIDENTAL, OR OTHER INDIRECT DAMAGE OF ANY KIND. Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitations or exclusions may not apply to you.

This warranty does NOT apply in the following circumstances: (1) when the product has been serviced or repaired by anyone other than us; (2) when the product has been connected, installed, combined, altered, adjusted, or handled in a manner other than according to the instructions furnished with the product; (3) when any serial number has been effaced, altered, or removed; or (4) when any defect, problem, loss; or damage has resulted from any accident, misuse, negligence, or carclessness, or from any failure to provide reasonable and necessary maintenance in accordance with the instructions of the owner's manual for the product.

We reserve the right to make changes or improvements in our products from time to time without incurring the obligation to install such improvements or changes on equipment or items previously manufactured.

This warranty gives you specific legal rights and you may also have other rights which may vary from state to state.

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.

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To Register your product register online at www.lowrance.com or mail this form to: In U.S.: Navico Inc., PO Box 129, Catoosa, OK 74015-0129 In Canada: Navico Inc., 919 Matheson Blvd East, Mississauga, ONT. L4W 2R7 In Europe, Middle East & Africa: Navico Logistics Europe BV, Donker Duyvisweg 56, 3316 BM Dordrech	To Register your product register online at www.lowrance.com or mail this form to:	ΗO	ow often do you purchase electronics for your boat or for fishing? \Box Every year Two years \Box Three years \Box Longer \Box Never purchased before.
In U.S.: Navico Inc., PO Box 129, Catoosa, OK 74015-0129 In Camada: Navico Inc., 919 Matheson Blvd East, Mississauga, ONT. L4W 2R7 In Europe, Middle East & Africa: Navico Logistics Europe BV, Donker Duyvisweg 56, 3316 BM Dordrech		É	o Register your product register online at www.lowrance.com or mail this form to:
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How to Obtain Service... ... in the USA:

Contact the Factory Customer Service Department. Call toll-free:

800-324-1356

8 a.m. to 5 p.m. Central Standard Time, M-F

Navico may find it necessary to change or end shipping policies, regulations and special offers at any time. They reserve the right to do so without notice.

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800-661-3983 905-629-1614 (not toll-free)

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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^M, Inc. 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.

2) U.S. customers visit our web site www.lei-extras.com.

3) Canadian customers: Lowrance Canada, 919 Matheson Blvd. E. Mississauga, Ontario L4W2R7 or fax 905-629-3118.

Call toll free in Canada, 800-661-3983, or dial 905 629-1614 (not toll free), 8 a.m. to 5 p.m. Eastern Standard Time, M-F.

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