

Lowrance

Lowrance Elite-4x DSI Color Fishfinder User Manual

Model: Elite-4x DSI (000-10487-001)

1. INTRODUCTION

The Lowrance Elite-4x DSI Color Fishfinder is an advanced sonar device designed to provide clear, photo-like views of the underwater environment. This manual provides essential information for the proper installation, operation, and maintenance of your Elite-4x DSI unit, ensuring optimal performance and longevity.

This unit features DownScan Imaging™ for detailed underwater views, a bright LED-backlit display, and user-friendly controls, making it an effective tool for identifying fish and underwater structures.

2. PRODUCT FEATURES

- **3.5-Inch Color LCD Display:** Bright LED backlighting for optimal viewing in various lighting conditions.
- **DownScan Imaging™:** Provides crystal-clear, photo-like views of underwater details, including thermoclines, fish, bottom composition, and structure.
- **Dual Frequency Sonar:** Operates at 455 kHz for wider and deeper coverage, and 800 kHz for enhanced detail in targeted areas.
- **Depth Capability:** Reaches depths down to 200 feet (61 meters).
- **High-Speed Performance:** Maintains impressive bottom readings at boat speeds up to 40 mph.
- **Advanced Transducer:** Slim, low-profile, high-speed, transom-mount 455/800 kHz Skimmer® DSI imaging transducer with built-in temperature sensor.
- **TrackBack™ Feature:** Allows immediate scroll-back of sonar history to review covered areas and pinpoint specific locations.
- **User-Friendly Interface:** Simplified menu navigation with text and icons for quick and easy selections.
- **Quick-Release Bracket:** Tilt and swivel bracket for easy installation, adjustment, and removal.

3. SETUP AND INSTALLATION

Proper installation is crucial for the optimal performance of your Elite-4x DSI fishfinder. This section outlines the general steps for mounting the display unit and the transducer.

3.1 Display Unit Mounting

The Elite-4x DSI unit comes with a quick-release tilt and swivel bracket. Select a mounting location on your boat that

provides clear visibility and easy access to controls, away from direct sunlight if possible to enhance screen visibility. Secure the bracket firmly using appropriate marine-grade fasteners. The unit can then be easily inserted into and removed from this bracket.

3.2 Transducer Installation

The Skimmer® DSI transducer is designed for transom mounting. The transducer must be installed in a location that ensures it is fully submerged in water and free from turbulence during operation. Incorrect transducer placement can lead to blank readings or poor image quality.

- Choose a location on the transom where water flow is smooth.
- Ensure the transducer face is parallel to the waterline.
- Drill necessary holes for mounting, applying marine sealant to prevent water intrusion.
- Route the transducer cable carefully, avoiding sharp bends or interference with other electrical systems.

Note: Specific mounting hardware (cable fasteners, drill bits, marine epoxy/silicone) may be required and are not always included. Consult a marine professional if you are unsure about the installation process.

3.3 Power Connection

Connect the power cable to a 12V DC power source. Ensure the connection is secure and protected from moisture. The unit is designed for battery-powered operation.

4. OPERATING INSTRUCTIONS

This section covers the basic operation of your Lowrance Elite-4x DSI fishfinder.



Figure 4.1: Lowrance Elite-4x DSI Unit Overview. The image displays the fishfinder unit with its screen showing sonar data, and the control buttons including Menu, Enter, directional arrows, and zoom controls.

4.1 Powering On/Off

Press and hold the **Power** button (usually marked with a circle and vertical line) to turn the unit on or off. A short press typically accesses backlight or system settings.

4.2 Navigating Menus

Use the **MENU** button to access the main menu. The directional keypad (up, down, left, right arrows) allows you to navigate through menu options. Press **ENTER** to select an option or confirm a setting.

4.3 Sonar Display Interpretation

The Elite-4x DSI utilizes DownScan Imaging to provide detailed views. On the screen, you will observe:

- **Bottom Structure:** Appears as a solid, often textured, band at the bottom of the display. Hard bottoms appear

denser and brighter than soft, mucky bottoms.

- **Fish:** Typically appear as arches or distinct shapes, depending on their size and position relative to the sonar beam. DownScan Imaging provides more photo-like representations.
- **Thermoclines:** Visible as distinct horizontal lines or bands, indicating temperature changes in the water column where fish often congregate.
- **Submerged Objects:** Structures like trees, rocks, or wrecks will be clearly rendered, allowing for easy identification.

4.4 Adjusting Settings

Access the menu to adjust various sonar settings, including:

- **Sensitivity:** Adjusts how much detail the sonar picks up. Higher sensitivity shows more detail but can also show more noise.
- **Range/Depth:** Sets the maximum depth displayed on the screen.
- **Frequency:** Switch between 455 kHz (wider coverage) and 800 kHz (higher detail).
- **Color Palette:** Choose from various color schemes for optimal viewing preference and water conditions.

4.5 Using TrackBack™

The TrackBack™ feature allows you to scroll back through your sonar history to review previously scanned areas. This is useful for re-examining interesting structures or fish schools you may have passed over. Use the directional arrows to scroll backward and forward through the history.

5. MAINTENANCE

Regular maintenance ensures the longevity and performance of your fishfinder.

- **Cleaning the Display:** Use a soft, damp cloth to clean the screen. Avoid abrasive cleaners or solvents that could damage the display.
- **Transducer Care:** Periodically inspect the transducer for marine growth or damage. Clean it gently with a soft brush and fresh water. Ensure the transducer cable is not pinched or frayed.
- **Unit Storage:** When not in use for extended periods, store the unit in a dry, cool place, ideally removed from the boat to prevent theft or environmental damage.
- **Power Connections:** Check power connections regularly for corrosion or looseness.

6. TROUBLESHOOTING

This section addresses common issues you might encounter with your Elite-4x DSI fishfinder.

Problem	Possible Cause	Solution
No Power	Loose power connection, blown fuse, dead battery.	Check all power cable connections. Inspect the fuse in the power cable. Ensure the battery is charged.
Blank or Intermittent Readings	Improper transducer installation, air bubbles under transducer, electrical interference.	Verify transducer is fully submerged and in clear water flow. Clean transducer face. Check for nearby electrical noise sources.
Poor Image Quality / "Lines or Dashes" Instead of Fish Images	Incorrect sensitivity settings, transducer angle, or water conditions.	Adjust sensitivity settings. Ensure transducer is correctly angled. Understand that DownScan Imaging provides photo-like views, not traditional fish arches.

Problem	Possible Cause	Solution
Unit Locks Up / Stops Responding	Software glitch, power fluctuation.	Perform a soft reset (power cycle the unit). If persistent, consult Lowrance support for potential firmware updates.

If you continue to experience issues after attempting these solutions, please contact Lowrance customer support for further assistance.

7. SPECIFICATIONS

Feature	Detail
Brand	Lowrance
Model Name	Elite-4x DSI
Model Number	000-10487-001
Screen Size	3.5 inches (8.9 cm)
Display Type	Color LCD with LED Backlighting
Sonar Type	DownScan Imaging™
Frequencies	455 kHz / 800 kHz
Max Depth	200 feet (61 meters)
Power Source	Battery Powered (12V DC)
Item Weight	2.6 Pounds (1.18 kg)
Product Dimensions	3.5"L x 3.5"W x 3.5"H (8.9cm x 8.9cm x 8.9cm)
Mounting Type	Tilt (Quick-release bracket)
Human Interface Input	Keypad
GTIN	09420024112540

8. WARRANTY AND SUPPORT

Lowrance offers a **5 Year Advantage Service** for this product, which includes a one-year parts and labor warranty. For detailed warranty information, service requests, or technical support, please refer to the official Lowrance website or contact their customer service directly.

It is recommended to register your product upon purchase to facilitate any future warranty claims or support needs.

