

Lowrance 000-14489-001

Lowrance Active Imaging 3-In-1 Transducer Instruction Manual

Model: 000-14489-001 | Brand: Lowrance

1. INTRODUCTION

The Lowrance Active Imaging 3-In-1 Transducer is an advanced sonar solution designed to provide unparalleled clarity and detail for marine navigation and fish finding. This transducer integrates traditional CHIRP sonar, DownScan Imaging, and SideScan Imaging into a single, compact unit, offering comprehensive underwater views. It is engineered to deliver high-resolution images of fish, structure, and bottom composition, making it an essential tool for serious anglers and boaters.



Figure 1: The Lowrance Active Imaging 3-In-1 Transducer, showcasing its sleek black design and mounting points.

2. PACKAGE CONTENTS

Please verify that all items listed below are present in your package before proceeding with installation.

- Active Imaging 3-In-1 Transducer
- Transducer Mounting Bracket
- Installation Hardware (screws, bolts, washers)
- Connection Cable (long length for flexible installation)
- Instruction Manual / Documentation

Note: Lowrance is committed to environmental sustainability. The packaging materials for this product are water-soluble and biodegradable, designed to minimize environmental impact. If packaging accidentally enters water, it will dissolve harmlessly over time.

3. SETUP AND INSTALLATION

3.1 Mounting Location

The transducer can be mounted in various locations on your vessel, including the transom, flush step, or jackplate.

Select a location that provides a clear, unobstructed view of the water beneath and to the sides of your boat. It is crucial to ensure the transducer is positioned to avoid interference from propellers, engine cavitation, or other boat components that could disrupt sonar signals.

3.2 Attaching the Mounting Bracket

1. Securely attach the provided mounting bracket to your chosen location using the appropriate installation hardware. Ensure all screws and bolts are tightened firmly to prevent any movement during operation.
2. The bracket is designed with a swivel action, allowing for precise adjustment of the transducer's angle. This flexibility helps in optimizing sonar performance based on your boat's hull design and water conditions.

3.3 Connecting the Transducer

- Connect the transducer cable to the designated sonar port on your compatible Lowrance or Simrad fish finder unit. Ensure the connection is secure and fully seated.
- Carefully route the transducer cable, avoiding sharp bends, kinks, or areas where it could be pinched, chafed, or exposed to excessive heat. Use cable ties or clips to secure the cable along its path, preventing tangles and damage.

For detailed diagrams, specific mounting templates, and advanced installation considerations, please refer to the comprehensive instruction manual included in your package.

4. OPERATING INSTRUCTIONS

4.1 Powering On

Once the transducer is correctly installed and connected, ensure your Lowrance or Simrad fish finder unit is powered on. The transducer will automatically begin transmitting and receiving sonar signals, and the display unit will process and show the underwater imagery.

4.2 Sonar Modes

The Active Imaging 3-In-1 Transducer supports multiple high-performance sonar modes:

- **Traditional CHIRP Sonar:** Provides clear, high-resolution views of fish arches and structure directly beneath your boat. Ideal for general fish finding and depth readings.
- **DownScan Imaging:** Offers photo-like views of structure and fish directly below your boat. This mode excels at identifying bottom composition, submerged timber, and other detailed underwater objects.
- **SideScan Imaging:** Extends your underwater view to the sides of your boat, revealing structure and fish targets over a wide area. This is particularly useful for scouting large areas quickly and locating hidden structures.

Navigate through your fish finder's menu system to select and customize the desired sonar display modes. You can adjust settings such as sensitivity, range, color palettes, and scroll speed to optimize the display for current water conditions and your specific fishing needs.

4.3 FishReveal™ Smart Target View

The innovative FishReveal™ feature allows you to combine the excellent target separation of CHIRP sonar with the high-resolution, detailed structure views of DownScan Imaging on a single screen. This unique overlay helps you easily identify fish targets that are holding within or around submerged structures, making them stand out clearly on your display.

5. MAINTENANCE

Regular maintenance is crucial for ensuring the optimal performance and longevity of your Active Imaging 3-In-1 Transducer.

- **Cleaning:** After each use, especially in saltwater, thoroughly clean the transducer face with fresh water and a soft cloth. This removes marine growth, dirt, and debris that can impede sonar signals. Avoid using abrasive cleaners, solvents, or sharp tools that could scratch or damage the transducer surface.
- **Inspection:** Periodically inspect the transducer cable and all connections for any signs of wear, cuts, kinks, or corrosion. Ensure that all mounting hardware remains tight and secure. Loose hardware can affect performance or lead to loss of the transducer.
- **Winterization:** If storing your boat in freezing temperatures, ensure the transducer is not exposed to ice. Ice expansion can cause severe damage to the transducer element. If possible, remove the transducer or ensure it is completely drained of water.

Adhering to these maintenance guidelines will help preserve the high-quality imaging capabilities of your transducer.

6. TROUBLESHOOTING

If you encounter issues with your Lowrance Active Imaging 3-In-1 Transducer, refer to the table below for common problems and solutions.

Issue	Possible Cause	Solution
No Sonar Reading	Loose cable connection, transducer not submerged, power issue with fish finder.	Check all cable connections, ensure transducer is fully in water, verify power supply to your fish finder unit.
Poor Image Quality / Clutter	Dirty transducer face, air bubbles under transducer, incorrect sensitivity/gain settings, electrical interference.	Clean transducer surface, check for air pockets around the transducer, adjust sensitivity and gain settings on your fish finder, ensure proper grounding and separate power cables from other electronics.
Intermittent Readings	Damaged cable, loose connection, temporary interference from other electronics or boat movement.	Inspect the entire length of the cable for any damage, re-secure connections, try isolating the transducer's power supply, or temporarily turn off other electronics.

If these troubleshooting steps do not resolve the issue, please contact Lowrance customer support for further assistance.

7. SPECIFICATIONS

Key technical specifications for the Lowrance Active Imaging 3-In-1 Transducer:

- **Model Name:** 000-14489-001
- **Brand:** Lowrance
- **Product Type:** Marine Transducer (for Fish Finders)
- **Color:** Black
- **Material:** Durable Plastic
- **Item Weight:** Approximately 2 Pounds (0.91 kg)
- **Item Dimensions (LxWxH):** Approximately 13 x 3.35 x 9.84 inches (33.02 x 8.51 x 24.99 cm)
- **Compatibility:** Compatible with Lowrance HDS LIVE, HDS Carbon, Elite Ti2, and HOOK Reveal series. (Always

check your specific unit's manual for full compatibility details.)

- **Sonar Frequencies:** Supports High CHIRP, 83/200 kHz (for traditional sonar), and 455/800 kHz, 1.2 MHz (for Active Imaging DownScan and SideScan).
- **Max Depth:** Varies by frequency and water conditions. Refer to your fish finder's specifications for maximum depth capabilities with this transducer.
- **Mounting Type:** Transom, Flush step, Jackplate

Note: Specifications are subject to change without prior notice.

8. WARRANTY AND SUPPORT

8.1 Warranty Information

The Lowrance Active Imaging 3-In-1 Transducer is covered by a 1-Year Limited Warranty. This warranty covers defects in materials and workmanship under normal use from the date of original purchase. Please retain your original sales receipt or proof of purchase for all warranty claims. The warranty does not cover damage resulting from improper installation, accident, abuse, misuse, natural disasters, unauthorized repairs, or modifications.

8.2 Customer Support

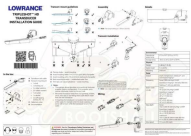


For technical assistance, troubleshooting guidance, or to inquire about warranty service, please contact Lowrance Customer Support. Comprehensive support resources, including FAQs, product manuals, and contact information, are available on the official Lowrance website.


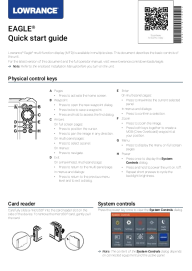
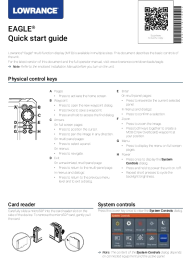
Visit the official Lowrance website for more information: www.lowrance.com.

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This manual is for informational purposes only and may be updated without notice.

Related Documents - 000-14489-001

	<p>Lowrance TripleShot HD Transducer Installation Guide: Setup and Specifications</p> <p>This guide provides comprehensive instructions for installing the Lowrance TripleShot HD Transducer, covering transom mounting, assembly, wiring, and detailed technical specifications for optimal marine sonar performance.</p>
	<p>Lowrance Elite FS Installation Guide</p> <p>Installation guide for the Lowrance Elite FS series of fishfinders and chartplotters, detailing technical specifications, wiring, and mounting instructions.</p>
	<p>Lowrance ActiveTarget 2 Installation Manual</p> <p>Installation manual for the Lowrance ActiveTarget 2 live sonar system, detailing setup, wiring, and technical specifications.</p>

 <p>LOWRANCE Elite-4x HDI DownScan Fishfinder</p>	<p>Lowrance Elite-4x HDI Operation Manual: Features, Settings, and Specifications</p> <p>Comprehensive operation manual for the Lowrance Elite-4x HDI fishfinder and sonar unit. This guide details unit controls, basic operation, sonar and DownScan features, system settings, specifications, and contact information.</p>
 <p>LOWRANCE EAGLE® Quick start guide</p> <p>Physical control keys</p> <p>Card reader</p> <p>System controls</p>	<p>Lowrance Eagle MFD Quick Start Guide</p> <p>A quick start guide for the Lowrance Eagle multi-function display (MFD), covering physical controls, system operations, and basic application usage like chart, sonar, waypoints, and routes.</p>
 <p>LOWRANCE EAGLE® Quick start guide</p> <p>Physical control keys</p> <p>Card reader</p> <p>System controls</p>	<p>Lowrance Eagle Quick Start Guide</p> <p>A quick start guide for the Lowrance Eagle multi-function display (MFD), covering physical controls, system controls, chart navigation, waypoint management, route creation, and sonar functionalities like Sonar, SideScan, and DownScan.</p>