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> Humminbird Helix 5 Sonar G2 User Manual

## Humminbird 410190-1

# Humminbird Helix 5 Sonar G2 User Manual

Model: 410190-1

## INTRODUCTION

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The Humminbird Helix 5 Sonar G2 is a high-performance fish finder designed to enhance your fishing experience. Featuring a vibrant 5-inch widescreen display, this unit provides clear and detailed sonar returns. It incorporates advanced technologies such as DualBeam PLUS and SwitchFire sonar, offering versatile viewing options to help you locate fish, identify underwater structures, and understand bottom contours with precision.

This manual provides essential information for setting up, operating, maintaining, and troubleshooting your Helix 5 Sonar G2 unit.

## INCLUDED COMPONENTS

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Before beginning installation, verify that all components are present in the package:

- Fish finder control head
- Power cable
- XNT 9 20 T transom-mount transducer
- Mounting hardware



Figure 1: Included components for the Humminbird Helix 5 Sonar G2.

## SETUP

### Mounting the Control Head

The Helix 5 Sonar G2 control head is designed for surface mounting. Choose a location on your boat that provides clear visibility and easy access to the controls, while also protecting the unit from excessive spray or direct sunlight.



Figure 2: Front view of the Humminbird Helix 5 Sonar G2 unit.

## Transducer Installation

The XNT 9 20 T transom-mount transducer should be installed on the transom of your boat, ensuring it is submerged in water and free from obstructions for optimal sonar performance. Refer to the detailed [Installation Manual \(PDF\)](#) for specific instructions and diagrams regarding transducer placement and wiring.



Figure 3: XNT 9 20 T Transom-Mount Transducer.

## Power Connection

Connect the provided power cable to a 12V DC power source (battery powered). Ensure proper polarity (red to positive, black to negative) to prevent damage to the unit. The unit's power input is located on the rear panel.



Figure 4: Rear view of the Helix 5 unit showing connection ports.

## OPERATING INSTRUCTIONS

### Powering On/Off

Press and hold the **POWER** button (located on the right side of the unit) to turn the unit on or off. A brief press will access the power menu for backlight adjustment and other quick settings.



Figure 5: Control buttons on the Helix 5 unit.

## Navigating Menus

Use the **MENU** button to access the main menu. The directional keypad (four arrows and a center **SELECT** button) allows you to navigate through options and make selections. The **EXIT** button returns you to the previous screen or sonar view.

## DualBeam PLUS Sonar

DualBeam PLUS sonar utilizes two beams for comprehensive coverage. The narrow beam provides high-accuracy returns for fish, structure, and bottom detail, while the wide beam offers a larger search area. You can view these beams separately, side-by-side, or blended together for a complete picture of the underwater environment. The coverage area is approximately equal to your current depth.



Figure 6: DualBeam PLUS Sonar illustration.

## SwitchFire Sonar

SwitchFire sonar gives you control over how sonar returns are displayed. With two distinct display modes, you can easily add or remove detail, compensate for water depth, temperature, and turbulence, and even observe lure presentations. This feature allows for quick adjustments to optimize your view with the push of a button.



Figure 7: SwitchFire Sonar display modes.

## MAINTENANCE

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### Cleaning the Unit

To clean the Helix 5 unit, gently wipe the screen and casing with a soft, damp cloth. Avoid using abrasive cleaners or solvents, as these can damage the display and plastic components. For stubborn stains, a mild soap solution can be used, followed by a rinse with clean water and thorough drying.

### Transducer Care

Regularly inspect the transducer for any marine growth or debris. Clean the transducer face with a soft cloth and mild soap to ensure optimal sonar performance. Avoid scratching the transducer surface.

### Storage

When storing the unit for extended periods, especially in cold weather, disconnect it from power and store it in a dry, temperature-controlled environment. This helps prevent damage from extreme temperatures or moisture.

## TROUBLESHOOTING

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If you encounter issues with your Humminbird Helix 5 Sonar G2, consider the following common troubleshooting steps:

- **No Power:** Check all power connections, including the battery terminals and the fuse. Ensure the power cable is securely plugged into the unit.
- **No Sonar Display:** Verify the transducer cable is securely connected to the unit. Ensure the transducer is properly submerged in water and free from air bubbles or obstructions. Check sonar settings to ensure they are appropriate for your fishing conditions.
- **Intermittent Readings:** This can often be caused by electrical interference. Ensure power cables are routed away from other electrical wiring. Check for loose connections.
- **Incorrect Depth Readings:** Confirm the transducer is installed correctly and is not obstructed.

For more detailed troubleshooting guides and solutions, please refer to the complete [Installation Manual \(PDF\)](#) or contact Humminbird customer support.

## SPECIFICATIONS

Feature	Specification
Brand	Humminbird
Model Name	HELIX
Part Number	410190-1
Screen Size	5 Inches
Display Type	LCD
Power Source	Battery Powered
Item Weight	0.01 Ounces

Feature	Specification
Product Dimensions (LxWxH)	7.55"L x 1.13"W x 4.28"H
Mounting Type	Surface Mount
UPC	082324048999, 791109532539, 763236967201
Material	Plastic
Sport Type	Boating, Fishing

## WARRANTY AND SUPPORT

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### Limited Warranty

The Humminbird Helix 5 Sonar G2 comes with a **1-Year Limited Warranty** from the manufacturer. This warranty covers defects in materials and workmanship under normal use. Please retain your proof of purchase for warranty claims.

### Additional Resources

For further assistance, detailed installation instructions, or advanced operational guidance, please refer to the official [Humminbird Installation Manual \(PDF\)](#). You can also visit the [Humminbird Store on Amazon](#) for product information and support.