

Garmin 010-02342-01

Garmin ECHOMAP UHD 93sv Fishfinder Chartplotter User Manual

Model: 010-02342-01

1. OVERVIEW

The Garmin ECHOMAP UHD 93sv is an advanced fishfinder and chartplotter designed for marine navigation and fish finding. It features a bright, sunlight-readable 9-inch touchscreen display with keyed assist controls. This unit is equipped with Ultra High-Definition ClearVü and SideVü scanning sonars, providing detailed images of underwater structures and fish. It also includes Garmin high-wide CHIRP traditional sonar for excellent target separation. Preloaded with LakeVü G3 inland maps, it offers detailed cartography for over 17,000 lakes in the U.S., complete with up to 1-foot contours. The ECHOMAP UHD 93sv supports Panoptix all-seeing sonar, including Panoptix LiveScope sonar, and offers sonar sharing capabilities with other compatible ECHOMAP units. Its quick-release bail mount allows for easy removal and portability.



Figure 1.1: Garmin ECHOMAP UHD 93sv Fishfinder Chartplotter. This image displays the device's screen with active sonar and navigation information, highlighting its user interface and data presentation capabilities.

Key Features:

- Bright, sunlight-readable 9-inch touchscreen with keyed assist.
- Includes GT54 transducer for Ultra High-Definition ClearVü and SideVü scanning sonars, and Garmin high-wide CHIRP traditional sonar.
- Preloaded LakeVü G3 inland maps with integrated Navionics data, covering over 17,000 U.S. lakes with up to 1-foot contours.
- Supports Panoptix all-seeing sonar, including Panoptix LiveScope sonar.
- Sonar sharing capabilities with other ECHOMAP Plus, ECHOMAP UHD, and ECHOMAP Ultra units.
- NMEA 2000® and NMEA 0183 network support for engine data, sensor connection, and autopilot integration.
- Quick-release bail mount for easy installation and removal.

2. PACKAGE CONTENTS

Verify that all items listed below are included in your product package. If any items are missing or damaged, please contact Garmin customer support.

- ECHOMAP UHD 93sv with LakeVü g3 for U.S.
- GT54UHD-TM transducer
- Power/data cable
- Tilt mount with quick release cradle
- Flush mount
- Protective cover
- Hardware
- Documentation (this manual and other guides)

3. SETUP AND INSTALLATION

Proper installation is crucial for optimal performance of your ECHOMAP UHD 93sv. It is recommended to review the detailed installation instructions provided in the separate installation guide included with your package. Below is a general overview of the setup process.

3.1 Mounting the Device

The ECHOMAP UHD 93sv can be mounted using either the included tilt mount with quick-release cradle or a flush mount. Choose a location that provides clear visibility of the screen, easy access to controls, and protection from excessive sunlight or spray.

- **Tilt Mount:** Secure the bail mount to a flat surface using the provided hardware. The quick-release cradle allows for easy attachment and detachment of the unit.
- **Flush Mount:** For a more integrated look, use the flush mount kit. This requires cutting an opening in the mounting surface and securing the unit from behind.

3.2 Transducer Installation

The GT54UHD-TM transducer is essential for sonar functionality. Its installation location is critical for clear sonar readings. Consider the following:

- **Transom Mount:** The most common installation for outboard and I/O boats. Ensure the transducer is mounted in a location with minimal turbulence.
- **Thru-Hull or In-Hull:** Other options may be available depending on your boat type and desired performance. Refer to the transducer installation guide for specific instructions.
- **Cable Routing:** Route the transducer cable away from electrical interference sources and secure it to prevent damage.

3.3 Power and Data Connections

Connect the power/data cable to a 12V DC power source on your boat. Ensure proper polarity. The data wires can be connected to NMEA 2000® or NMEA 0183 networks for integration with other marine electronics, such as engine data, sensors, and autopilots.

Note: Always disconnect power before making or breaking any electrical connections to prevent damage to the device or other equipment.

4. OPERATING INSTRUCTIONS

The ECHOMAP UHD 93sv features an intuitive touchscreen interface with keyed assist buttons for easy operation. This section provides a basic guide to navigating the device's functions.

4.1 Powering On/Off

- To power on, press the **Power** button located on the side of the unit.
- To power off, press and hold the **Power** button until the power options appear, then select **Power Off**.

4.2 Navigating the Home Screen

The Home screen provides access to all major functions and applications. You can customize the layout and add shortcuts to frequently used features.

- **Touchscreen:** Tap icons to open applications or menus. Swipe to navigate through pages.
- **Keyed Assist:** Use the physical buttons on the side for quick access to zoom, menu, and other functions.

- **Charts:** Access preloaded LakeVü G3 maps for navigation.
- **Sonar:** View traditional, ClearVü, and SideVü sonar data.
- **Panoptix:** If a compatible Panoptix transducer is connected, access advanced live sonar views.
- **ActiveCaptain App:** Connect your device to the ActiveCaptain app on your smartphone or tablet for map updates, smart notifications, and more.



Preloaded LakeVü g3 inland maps with integrated Navionics® data cover more than 17,000 lakes with up to 1' contours.

Figure 4.1: LakeVü G3 Inland Maps. This image shows the detailed cartography of the preloaded LakeVü G3 maps, including depth contours and navigational aids.

4.3 Sonar Views

The ECHOMAP UHD 93sv offers multiple sonar views to help you locate fish and underwater structures.

- **Traditional Sonar:** Provides a classic fish arch view, ideal for identifying fish targets.
- **ClearVü Sonar:** Offers a photographic-like image of fish and structure directly below your boat.
- **SideVü Sonar:** Scans the areas to the sides of your boat, revealing structures and fish in a wide, detailed view.



Optional GT54 transducer for Ultra High-Definition ClearVü and Ultra High-Definition SideVü scanning sonars and Garmin high wide CHIRP traditional sonar.

Figure 4.2: ClearVü and SideVü Sonar Display. This image illustrates the detailed, high-resolution views provided by ClearVü and SideVü scanning sonars, showing underwater structures and fish to the sides and directly below the boat.



Supports Panoptix™ all-seeing sonar, including Panoptix LiveScope™ sonar.

Figure 4.3: Panoptix LiveScope Sonar. This image demonstrates the real-time, all-seeing capabilities of Panoptix LiveScope sonar, allowing users to see fish and structures in front of and around their boat.

5. MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your ECHOMAP UHD 93sv. Follow these guidelines for care and cleaning.

5.1 Cleaning the Device

- **Screen:** Clean the touchscreen with a soft, clean, lint-free cloth. If necessary, use a small amount of water or a mild glass cleaner. Avoid abrasive cleaners or solvents.
- **Unit Casing:** Wipe the casing with a damp cloth. Do not use harsh chemicals.
- **Connectors:** Keep all electrical connectors clean and dry. Apply a marine-grade dielectric grease to prevent corrosion.

5.2 Transducer Care

Inspect the transducer regularly for marine growth or damage. Clean the transducer face with a soft cloth and mild soap and water. Avoid scratching the transducer surface, as this can affect performance.

5.3 Software Updates

Periodically check for software updates on the Garmin website or through the ActiveCaptain app. Updates often include

performance enhancements, new features, and bug fixes.

6. TROUBLESHOOTING

This section addresses common issues you might encounter with your ECHOMAP UHD 93sv. For more detailed troubleshooting, refer to the full owner's manual or contact Garmin support.

6.1 No Power

- Check all power cable connections to ensure they are secure.
- Verify the power source (e.g., boat battery) is providing adequate voltage.
- Inspect the fuse in the power cable for continuity. Replace if blown.

6.2 No Sonar Readings

- Ensure the transducer cable is securely connected to the ECHOMAP unit.
- Check the transducer for marine growth or damage. Clean if necessary.
- Verify that the correct transducer type is selected in the unit's sonar settings.
- Ensure the boat is in water deep enough for sonar operation.

6.3 GPS Not Acquiring Satellites

- Ensure the unit has a clear view of the sky. Obstructions can block satellite signals.
- Allow sufficient time for the unit to acquire satellites, especially after initial power-on or moving to a new location.
- Check for any external interference sources near the GPS antenna.

7. SPECIFICATIONS

Feature	Specification
Brand	Garmin
Model Name	010-02342-01
Vehicle Service Type	Boat
Screen Size	9 Inches
Special Feature	Touchscreen
Connectivity Technology	Bluetooth
Map Type	Freshwater
Mounting Type	Bail or flush
Resolution	480 x 800
Compatible with Vehicle Type	Boat
Additional Features	Touchscreen
Map Types	Freshwater
Sport Type	Boating

Feature	Specification
Touch Screen Type	Capacitive
Display Type	LCD
Human-Interface Input	Touchscreen
Compatible Devices	Smartphone, Tablet
Control Method	Touch
Are Batteries Included	No
Supported Satellite Navigation System	GLONASS, GPS
Connectivity Protocol	20191105
Model Year	2019
UPC	753759241643
Global Trade Identification Number	00753759241643
Manufacturer	Garmin
Item Type Name	Fish finder
Item Weight	7.7 Pounds
GTIN	753759241643

8. WARRANTY AND SUPPORT

8.1 Product Warranty

The Garmin ECHOMAP UHD 93sv comes with a **2-year limited warranty**. This warranty covers defects in materials and workmanship under normal use. For full terms and conditions, please refer to the warranty documentation included in your package or visit the official Garmin website.

8.2 Customer Support

For technical assistance, troubleshooting, or warranty claims, please contact Garmin customer support. Support resources typically include:

- Online support center with FAQs and knowledge base.
- Downloadable manuals and software updates.
- Telephone support.
- Email support.

Visit the official Garmin website for the most up-to-date contact information and support resources.

