

Garmin ECHOMAP UHD2 74cv

Garmin ECHOMAP UHD2 74cv Chartplotter/Fishfinder with GT20 Transducer User Manual

1. INTRODUCTION

This manual provides essential information for the installation, operation, and maintenance of your Garmin ECHOMAP UHD2 74cv chartplotter and fishfinder with GT20 Transducer. Please read this manual thoroughly before using the device to ensure proper function and safety.

2. SAFETY INFORMATION

WARNING:

- Always operate your vessel safely. Avoid navigation hazards and never allow the device to distract you from safe operation.
- The device is an aid to navigation and should not replace sound judgment.
- Always be prepared to regain control of the vessel.
- For important product warnings and other information, refer to the Important Safety and Product Information guide included in the product box.

3. WHAT'S IN THE BOX

Your Garmin ECHOMAP UHD2 74cv package includes the following components:

- ECHOMAP UHD2 7" chartplotter
- GT20-TM transducer
- Power/data cable
- Tilt mount
- Flush mount hardware
- Documentation (including this manual)

4. SETUP

4.1 Mounting the Device

The ECHOMAP UHD2 74cv can be installed using either the included tilt mount or flush mount hardware.

1. **Choose a Mounting Location:** Select a location that provides optimal visibility and access to controls, away from heat sources and excessive vibration.
2. **Secure the Mount:** Follow the instructions provided with the tilt mount or flush mount kit to securely attach the bracket or device to your vessel.



Image: The Garmin ECHOMAP UHD2 74cv unit shown mounted on a boat, displaying both navigation charts and sonar information simultaneously.

4.2 Transducer Installation

The GT20-TM transducer is crucial for sonar functionality. Refer to the separate transducer installation instructions for detailed guidance on mounting and connecting the transducer to your vessel.

4.3 Power and Data Connection

Connect the power/data cable to the back of the ECHOMAP UHD2 74cv unit and to your vessel's power source (10-20 Vdc). Ensure all connections are secure and waterproof.

5. OPERATING THE ECHOMAP UHD2 74cv

5.1 Powering On/Off

Press the **POWER** button to turn the device on or off. A short press will adjust backlight and brightness settings.

5.2 Keypad Controls

- **HOME:** Returns to the Home screen.
- **MENU:** Opens the menu for the current screen or system settings.
- **SELECT:** Confirms selections or opens options.
- **BACK:** Returns to the previous screen or cancels an action.
- **MARK:** Creates a waypoint at your current location.
- **Arrow Keys:** Navigate menus, pan maps, or adjust sonar views.
- **+/-:** Zoom in/out on maps or adjust sonar gain.

5.3 Navigation and Chartplotter

The ECHOMAP UHD2 74cv comes preloaded with Garmin Navionics+ mapping for U.S. coastal content. This allows for detailed chart viewing and route planning.



Image: The chartplotter screen showing a detailed map with depth contours and the vessel's current position. This view is useful for navigation and understanding underwater topography.

To navigate, use the arrow keys to pan the map. You can create waypoints by pressing the **MARK** button. Routes

can be created and followed using the menu options.

Video: This video demonstrates the navigation features of the Garmin ECHOMAP UHD2 74cv, showing how to track your path and identify fishing spots on the chartplotter. It highlights the active track feature, displaying where the boat has been and its current direction.

Video: This video showcases various navigation views available on the Garmin ECHOMAP UHD2 74cv, including a 3D perspective and a fishing chart view that displays names of bays and different structures. It illustrates how the device can assist in navigating complex waterways and identifying key locations.

5.4 Sonar Functions

The included GT20-TM transducer provides both Garmin traditional sonar and ClearVü scanning sonar.

- **Traditional Sonar:** Displays clear fish arches and bottom structure.
- **ClearVü Scanning Sonar:** Provides high-contrast, detailed views of objects and fish below your boat.



Image: The chartplotter screen showing ClearVü sonar, which provides a photographic-like image of structure and fish below the boat, aiding in target identification.



Image: The chartplotter screen showing traditional sonar, which displays fish as arches and provides a general overview of the water column and bottom composition.

You can switch between sonar views or use a split-screen display from the Home screen or by pressing the **MENU** button.

Video: This video demonstrates the sonar capabilities of the Garmin ECHOMAP UHD2 74cv, showing how to interpret fish arches and bottom structure on the traditional fishfinder screen. It highlights the device's ability to mark fish and identify larger objects near the bottom.

5.5 Wi-Fi Connectivity

The device features built-in Wi-Fi connectivity. Pair it with the free ActiveCaptain app on your compatible smartphone to access features such as OneChart, software updates, and more.

6. MAINTENANCE

6.1 Cleaning the Device

Clean the device screen and exterior with a soft, clean, lint-free cloth. Avoid abrasive cleaners or solvents that could damage the unit.

6.2 Software Updates

Regularly update the device software to ensure optimal performance and access to the latest features. Software updates can be performed via the ActiveCaptain app or by downloading updates from the Garmin website to a microSD card.

7. TROUBLESHOOTING

If you encounter issues with your ECHOMAP UHD2 74cv, refer to the following common troubleshooting steps:

- **Device Not Powering On:** Check power cable connections, ensure the vessel's battery is charged, and verify the fuse.
- **No Sonar Data:** Ensure the transducer is properly connected and submerged. Check transducer settings in the device menu.
- **GPS Not Acquiring Signal:** Ensure the device has a clear view of the sky. Allow several minutes for initial satellite acquisition.
- **Screen Issues:** Adjust backlight and brightness settings. If the screen is unresponsive, perform a soft reset (refer to the full manual for specific steps).

For more detailed troubleshooting, consult the comprehensive owner's manual available on the Garmin support website.

8. SPECIFICATIONS

| Feature | Specification |
|-----------------------------------|----------------------------|
| Brand | Garmin |
| Model Name | ECHOMAP UHD2 74cv |
| Part Number | 010-02595-51 |
| Power Source | DC Power Supply |
| Screen Size | 7 Inches |
| Display Type | 7 inch chartplotter |
| Mounting Type | Flush Mount or Bail Mount |
| GTIN/UPC | 753759307097 |
| Item Package Dimensions L x W x H | 11.57 x 8.35 x 7.28 inches |
| Package Weight | 2.11 Kilograms |
| Item Dimensions LxWxH | 12.5 x 10.6 x 8.7 inches |
| Date First Available | February 16, 2023 |

9. WARRANTY AND SUPPORT

Your Garmin ECHOMAP UHD2 74cv is covered by a limited warranty. For specific warranty terms and conditions, please refer to the warranty card included with your product or visit the official Garmin website.

For technical support, product registration, or to download the full owner's manual, visit www.garmin.com/support.

You can also contact Garmin customer service directly for assistance.

