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Garmin 010-02688-01

Garmin ECHOMAP UHD2 93sv User Manual

Model: 010-02688-01

Introduction

The Garmin ECHOMAP UHD2 93sv with GT56 Transducer is a 9-inch touchscreen chartplotter designed for marine navigation and fishfinding. It features a high-resolution display for enhanced detail and clarity. This unit supports Garmin traditional sonar, ClearVü™ and SideVü™ scanning sonars with vivid color palettes, and is compatible with LiveScope™ sonar systems. Preloaded with Garmin Navionics+™ U.S. Inland cartography, it offers detailed mapping for over 18,000 lakes. Built-in Wi-Fi® connectivity allows for wireless sharing of sonar data, waypoints, and routes with other compatible ECHOMAP UHD2 chartplotters. Multi-band GPS ensures improved position accuracy, especially in challenging signal environments. The device also integrates with the ActiveCaptain® app for chart access, software updates, and community data, and supports NMEA 2000® networks for connecting various marine devices.

What's in the Box

- ECHOMAP UHD2 9” chartplotter
- GT56 transducer
- Power/data cable
- Tilt mount
- Flush mount
- Hardware
- Documentation

Setup

Proper installation is crucial for optimal performance. Refer to the detailed instructions in the included documentation for specific mounting and wiring procedures.

Mounting the Chartplotter

The ECHOMAP UHD2 93sv can be installed using either the supplied tilt mount or a flush mount. Ensure the mounting location provides clear visibility, allows for proper cable routing, and is secure enough to withstand marine conditions.



Figure 1: Side view of the ECHOMAP UHD2 93sv on its tilt mount, illustrating the adjustable angle.

Connecting Power and Transducer

Connect the power/data cable to a 12V DC power source. The GT56 transducer connects directly to the chartplotter via its dedicated port. Ensure all connections are secure and waterproof. The rear of the unit features clearly labeled ports for power, transducer, and network connections.



Figure 2: Rear view of the ECHOMAP UHD2 93sv, highlighting the various connection ports.

Software Updates

It is recommended to keep your chartplotter's software updated. Updates can be performed via the ActiveCaptain® app on a compatible smartphone or by loading updates onto an SD card and inserting it into the unit's card slot.

Operating Instructions

Powering On/Off

To power on the device, press and hold the power button located on the side of the unit. To power off or put the unit to sleep, press and hold the power button again and select the desired option from the menu.

Touchscreen and Keyed-Assist Controls

The ECHOMAP UHD2 93sv features a responsive touchscreen display with keyed-assist controls for intuitive operation. Use touch gestures like pinch-to-zoom and panning to navigate maps and sonar views. The physical buttons on the side provide quick access to common functions and allow for precise control, even with wet hands or while wearing polarized sunglasses.



Figure 3: The ECHOMAP UHD2 93sv display with sonar information, showing the touchscreen interface and side buttons.

Customizing Layouts and Shortcuts

The unit allows for customization of screen layouts and the creation of shortcut keys for frequently used views. This enables quick switching between different sonar, mapping, or combination displays. To set a shortcut, navigate to the desired screen, then press and hold one of the numbered shortcut buttons on the side of the unit until the save confirmation appears.

Sonar Features

The ECHOMAP UHD2 93sv provides comprehensive sonar capabilities to enhance your fishing experience.

Traditional Sonar

Experience clear and sharp fish arches with Garmin traditional sonar, providing a classic view of what's beneath your boat.



Figure 4: Traditional sonar view on the ECHOMAP UHD2 93sv, showing fish arches and bottom structure.

ClearVü™ and SideVü™ Scanning Sonars

ClearVü™ and SideVü™ scanning sonars offer vivid color palettes for clear, high-contrast views of structure and fish all around your boat. ClearVü provides a nearly photographic view directly below, while SideVü extends your view to the sides, revealing submerged objects and fish schools.



Figure 5: SideVü sonar display on the ECHOMAP UHD2 93sv, showing detailed underwater structures.

LiveScope™ Sonar Systems Support

The ECHOMAP UHD2 93sv supports LiveScope™ sonar systems, providing real-time, live scanning sonar images of fish and structure below and around your boat.

Mapping Features

Navigate with confidence using the advanced mapping capabilities of your chartplotter.

Garmin Navionics+™ Cartography

The unit comes with built-in Garmin Navionics+™ U.S. Inland maps, offering integrated Navionics data covering over 18,000 lakes with up to 1-foot contours. This detailed cartography helps you identify key fishing spots and navigate safely.



Figure 6: Detailed map view on the ECHOMAP UHD2 93sv, showing contours and navigational aids.

Auto Guidance+™ Technology

Chartplotters with built-in Garmin Navionics+™ charts include downloadable Auto Guidance+™ technology via the ActiveCaptain app. This feature helps you plan routes and navigate to waypoints efficiently. Note that Auto Guidance+ is for planning purposes only and does not replace safe navigation operations.

Wireless Connectivity

The ECHOMAP UHD2 93sv offers robust wireless capabilities for enhanced integration and convenience.

Wi-Fi® Sharing

Built-in Wi-Fi® connectivity allows you to wirelessly share sonar, waypoints, and routes with another ECHOMAP UHD2 chartplotter on your boat. This is ideal for multi-unit setups, enabling a shared view of critical information.

ActiveCaptain® App Integration

Pair your chartplotter with the free all-in-one ActiveCaptain® app on your compatible smartphone. This app provides access to the OneChart™ feature for purchasing and downloading new maps, receiving smart notifications, performing software updates, and accessing Garmin Quickdraw Community data.

Force™ Trolling Motor Connectivity

Wirelessly connect your ECHOMAP UHD2 93sv to a compatible Force™ trolling motor. This integration allows you to create and follow routes, navigate to waypoints, control speed, and check battery life directly from your chartplotter display.

Maintenance

Regular maintenance ensures the longevity and optimal performance of your ECHOMAP UHD2 93sv.

Cleaning the Display

Clean the touchscreen display with a soft, clean, lint-free cloth. For stubborn smudges, use a mild glass cleaner. Avoid abrasive cleaners or solvents that could damage the screen coating. The touchscreen remains responsive even when wet.

Transducer Care

Periodically inspect the GT56 transducer for any damage or marine growth. Clean the transducer face with fresh water after each use to prevent buildup that could affect sonar performance.

Software and Map Updates

Regularly check for and install software updates to ensure your device has the latest features and performance enhancements. Keep your Garmin Navionics+™ maps updated for the most accurate and detailed cartography.

Troubleshooting

If you encounter issues with your ECHOMAP UHD2 93sv, consider the following common troubleshooting steps:

- **No Power:** Ensure the power cable is securely connected to both the unit and the power source. Check the fuse in the power cable.
- **No Sonar Data:** Verify the transducer is properly connected to the chartplotter. Ensure the transducer is submerged in water and free from obstructions. Check sonar settings for correct transducer type and frequency.
- **GPS Accuracy Issues:** Ensure the unit has a clear view of the sky. Multi-band GPS helps in areas with weak or reflected signals.
- **Touchscreen Unresponsive:** Clean the screen. If the issue persists, try restarting the device.
- **Connectivity Problems:** For Wi-Fi or ActiveCaptain issues, ensure both devices are within range and connected to the same network (if applicable).

For more detailed troubleshooting, refer to the comprehensive user manual available for download from the Garmin support website or the included documentation.

Specifications

Feature	Detail
Brand	Garmin
Model Name	Garmin ECHOMAP 9"
Item Model Number	010-02688-01
Screen Size	9 Inches
Display Type	LCD
Scanner Resolution	1280 x 720
Power Source	Battery Powered
Item Weight	8.05 pounds
Product Dimensions	10.4"L x 6.5"W x 3.2"H
Mounting Type	Dashboard Mount
Connectivity Technologies	Wi-Fi
Special Features	Touchscreen
UPC	753759307981

Warranty and Support

For warranty information, technical support, and additional resources, please visit the official Garmin website or refer to the complete user manual (PDF) provided with your product. You can also find support through the ActiveCaptain® app.
Official User Manual (PDF): Download Here

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