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Garmin 010-02367-02

Garmin GPSMAP 1223xsv Combo GPS/Fishfinder

Model: 010-02367-02

Product Overview

The Garmin GPSMAP 1223xsv Combo GPS/Fishfinder is a high-end chartplotter and fishfinder designed for serious boaters and anglers. It features a large 12-inch touchscreen display with a sharp IPS panel for excellent visibility in all lighting conditions. The built-in sonar supports traditional CHIRP, ClearVü, and SideVü scanning sonars for detailed views of fish and structure below the boat. This unit also supports optional Panoptix LiveScope sonar for real-time, 3D views around and below the boat.

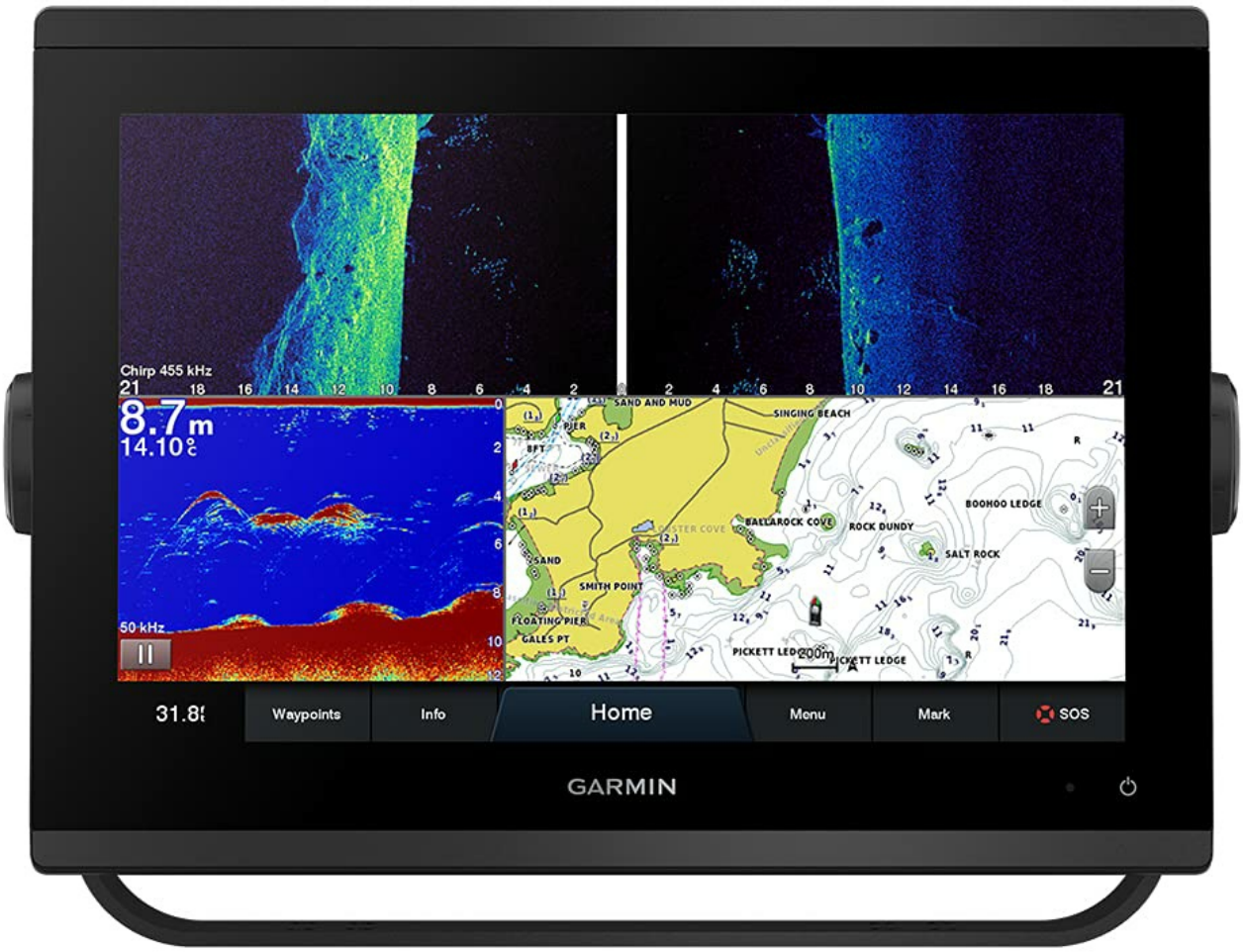


Figure 1: Front view of the Garmin GPSMAP 1223xsv Combo GPS/Fishfinder unit.

Key Features

- **12-inch Touchscreen Display with IPS Panel:** Provides a bright, clear, and easy-to-read interface in all conditions, including direct sunlight.
- **Built-in Sonar Capabilities:** Includes traditional CHIRP, ClearVü, and SideVü scanning sonars for detailed views of fish and underwater structures.
- **Worldwide Basemap:** Features detailed charts of coastal areas, lakes, and rivers globally.
- **J1939 Connectivity:** Allows connection to compatible engines and other devices like autopilots and digital switching systems.
- **NMEA 2000 and NMEA 0183 Networking:** Enables connection to other marine electronics such as VHF radios and AIS transponders.
- **Built-in Wi-Fi and Bluetooth Connectivity:** Facilitates connection to smartphones or tablets for chart viewing, software updates, and data sharing.

- **Compatible with Optional BlueChart g3 Vision Charts:** Offers enhanced detail including high-resolution satellite imagery, depth contours, and points of interest.
- **Compatible with Optional Garmin Radar:** Allows integration of Garmin radar for improved situational awareness.
- **5,000-watt Traditional CHIRP Sonar:** Delivers excellent target separation and clarity, even in deep water.

Package Contents

The Garmin GPSMAP 1223xsv package includes the following items:

- Garmin GPSMAP 1223xsv Chartplotter/Fishfinder Unit
- Power/data cable
- Bail mount with knobs
- Flush mount hardware
- Protective cover
- Documentation



Figure 2: Rear view of the Garmin GPSMAP 1223xsv unit, showing power, sonar, network, HDMI, CVBS In, NMEA 2000, J1939, and USB ports.

Installation and Setup

Proper installation is crucial for optimal performance of your GPSMAP 1223xsv unit. Refer to the detailed installation instructions provided in the documentation for specific mounting and wiring procedures.

Mounting Options

- **Bail Mount:** Use the included bail mount for surface mounting on a flat surface. This allows for easy adjustment of the viewing angle.
- **Flush Mount:** For a sleek, integrated look, the unit can be flush-mounted into a panel. Use the provided template and hardware for precise cutting and secure installation.

Power and Data Connections

Connect the power/data cable to the corresponding port on the back of the unit. Ensure all connections are secure and waterproof. The unit supports various networking options:

- **NMEA 2000:** Connect to a NMEA 2000 network for communication with compatible marine electronics.
- **NMEA 0183:** Connect to NMEA 0183 devices for data exchange.
- **J1939:** Connect to compatible engines for engine data display.
- **Ethernet Network:** Use the network ports to connect to other Garmin chartplotters, radars, or sonar modules.
- **Sonar Transducer:** Connect your compatible sonar transducer to the designated sonar port.

Operating Instructions

The GPSMAP 1223xsv features an intuitive touchscreen interface for easy operation.

Display and Interface

- **Touchscreen Control:** Navigate menus, zoom, and pan by touching and swiping the screen.
- **Side Buttons:** Use the physical buttons on the side for quick access to common functions like zoom, menu, and power.
- **Customizable Layouts:** Configure the display to show multiple data panels simultaneously, such as chart, sonar, and engine data.

Sonar Functions

Utilize the powerful sonar capabilities to enhance your fishing experience:

- **Traditional CHIRP Sonar:** Provides clear target separation and definition of fish and structure.
- **ClearVü Scanning Sonar:** Offers a photographic view of fish and structure below your boat.
- **SideVü Scanning Sonar:** Presents a clear image of what lies to the sides of your boat.
- **Panoptix LiveScope (Optional):** Connect a compatible Panoptix LiveScope transducer for real-time, live scanning sonar images.

Navigation and Charting

Navigate with confidence using the detailed charts and GPS features:

- **Worldwide Basemap:** Explore preloaded charts for global coverage.
- **Waypoints and Routes:** Mark your favorite fishing spots and create routes for efficient navigation.
- **Auto Guidance:** Automatically calculates the best route to your destination, avoiding obstacles.
- **Quickdraw Contours:** Create personalized HD fishing maps with 1-foot contours of the waters you fish.

Wireless Connectivity

- **Wi-Fi:** Connect to the ActiveCaptain app on your smartphone or tablet for access to charts, software updates,

and smart notifications.

- **Bluetooth:** Pair with compatible devices for additional functionality.

Care and Maintenance

To ensure the longevity and optimal performance of your Garmin GPSMAP 1223xsv, follow these maintenance guidelines:

- **Cleaning:** Clean the screen and unit housing with a soft, clean, lint-free cloth. Use fresh water to rinse off any saltwater exposure. Avoid chemical cleaners.
- **Protective Cover:** Always use the included protective cover when the unit is not in use to prevent scratches and damage from UV exposure.
- **Software Updates:** Regularly check for and install software updates via the ActiveCaptain app or Garmin's website to ensure you have the latest features and performance enhancements.
- **Cable Inspection:** Periodically inspect all cables and connections for signs of wear or damage. Ensure waterproof connections are properly sealed.

Troubleshooting

If you encounter issues with your GPSMAP 1223xsv, try the following basic troubleshooting steps:

- **No Power:** Check all power connections, fuses, and the boat's battery. Ensure the power cable is securely connected to the unit.
- **No Sonar Data:** Verify the transducer is correctly connected and submerged in water. Check sonar settings for proper frequency and gain.
- **GPS Signal Loss:** Ensure the unit has a clear view of the sky. Move away from tall structures or other electronics that may cause interference.
- **Touchscreen Unresponsive:** Try restarting the unit. If the issue persists, ensure the screen is clean and dry.
- **Software Glitches:** Perform a software update. If the problem continues, a factory reset may be necessary (refer to the manual for instructions, as this will erase user data).

For more detailed troubleshooting or persistent issues, consult the full owner's manual or contact Garmin support.

Technical Specifications

Item Weight	14 pounds
Product Dimensions	12 x 12 x 13 inches
Item Model Number	010-02367-02
Display Size	12 Inches
Voice Command	Buttons
Brand	Garmin
Model Name	GPSMAP 1223xsv
Vehicle Service Type	Boat

Screen Size	12 Inches
Special Feature	Bluetooth
Connectivity Technology	Wi-Fi
Map Type	Worldwide
Included Components	Power/data cable
Mounting Type	Windshield Mount (Bail Mount), Flush Mount
Operating System	Windows

Warranty and Support

Garmin provides a standard warranty for its products. For specific warranty details, please refer to the documentation included with your unit or visit the official Garmin website.
Optional protection plans are available for purchase to extend coverage beyond the standard warranty. These plans may include:

- 3-Year Protection Plan
- Complete Protect: One plan covers all eligible past and future purchases

For technical assistance, product registration, or to download the latest software updates and detailed manuals, please visit the Garmin Support website.

Ask a question about this manual

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

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Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

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