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Garmin 010-02258-10

Garmin GPSMAP 64sx Handheld GPS User Manual

Model: 010-02258-10

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1. Product Overview

The Garmin GPSMAP 64sx is a rugged and versatile handheld GPS navigator designed for outdoor adventures. It features a sunlight-readable color display, multi-GNSS support (GPS, GLONASS, and Galileo), and preloaded TopoActive maps for reliable navigation in various terrains. Its durable design and long battery life make it an ideal companion for hiking, cycling, geocaching, and climbing.
Key features include:

- Rugged and water-resistant design with button operation and a 2.6” sunlight-readable color display.
- Preloaded with TopoActive maps (U.S. and Australia only) featuring routable roads and trails for cycling and hiking.
- High-sensitivity receiver with quad helix antenna and multi-GNSS support (GPS, GLONASS, and Galileo).
- Integrated 3-axis compass with barometric altimeter for accurate heading and elevation data.
- Wireless connectivity via BLUETOOTH technology and ANT+ technology for enhanced functionality.
- Extended battery life of up to 16 hours in GPS mode.

2. Setup Guide

2.1 What's in the Box

Upon unboxing your Garmin GPSMAP 64sx, verify that all components are present:

- Garmin GPSMAP 64sx Handheld GPS Unit
- USB Cable

2.2 Battery Installation

The GPSMAP 64sx requires 1 CR123A battery for operation. For optimal performance, ensure fresh batteries are used.

1. Locate the battery compartment cover on the rear of the device.
2. Twist or slide the cover to open it, following the indicator marks.

3. Insert the CR123A battery, observing the correct polarity (+ and -) as indicated inside the compartment.
4. Securely close the battery compartment cover to ensure water resistance.

Note: The device also supports AA batteries with an optional battery pack (not included). Ensure you select the correct battery type in the system settings for accurate battery life indication.

2.3 Initial Power On and Basic Settings

To power on your device for the first time:

1. Press and hold the **POWER** button (usually located on the side or top) until the screen illuminates.
2. Follow the on-screen prompts to select your language, time zone, and other initial preferences.
3. Allow the device to acquire satellite signals. This may take a few minutes, especially during the first use or after a long period of inactivity. Ensure you are in an open area with a clear view of the sky.

3. Operating Instructions

3.1 Device Layout and Buttons



Image: Front view of the Garmin GPSMAP 64sx, showing the screen, directional pad, and function buttons. The screen displays a topographical map with contour lines and points of interest.

The GPSMAP 64sx features a robust button interface for reliable operation in all conditions. Familiarize yourself with the main controls:

- **IN/OUT Buttons:** Used for zooming in and out on maps.
- **FIND Button:** Accesses the search menu for waypoints, geocaches, tracks, and more.
- **MARK Button:** Marks your current location as a waypoint.
- **QUIT Button:** Returns to the previous page or cancels an action.
- **ENTER Button:** Confirms selections or opens options for the highlighted item.
- **PAGE Button:** Cycles through the main pages (Map, Compass, Trip Computer, etc.).
- **MENU Button:** Opens the options menu for the current page. Press twice to open the main menu.
- **Directional Pad:** Navigates through menus and pans the map.

3.2 GPS Navigation and Mapping

The GPSMAP 64sx utilizes multiple global navigation satellite systems (GPS, GLONASS, Galileo) for enhanced accuracy and faster satellite acquisition, even in challenging environments.

- **Viewing the Map:** Press the **PAGE** button until the Map page is displayed. Use the directional pad to pan the map and the **IN**/**OUT** buttons to zoom.
- **Creating a Route:** You can create routes directly on the device or transfer them from compatible software. Navigate to the **Route Planner** from the main menu.
- **Following a Track:** Tracks are recorded paths. You can follow preloaded tracks or tracks you have recorded. Access tracks from the **Track Manager**.
- **TopoActive Maps:** The device comes preloaded with detailed TopoActive maps, providing terrain contours, elevation information, routable roads, and trails.

3.3 Altimeter and Compass

The integrated 3-axis electronic compass and barometric altimeter provide crucial data for navigation and environmental awareness.

- **Compass:** The 3-axis compass provides accurate heading information even when stationary. Calibrate the compass regularly for best performance.
- **Altimeter:** The barometric altimeter provides precise elevation readings and can be used to plot elevation over time. Calibrate the altimeter using a known elevation point or GPS data.

3.4 Wireless Connectivity

The GPSMAP 64sx supports Bluetooth and ANT+ technologies for wireless data transfer and connection to external sensors.

- **Bluetooth:** Connect your device to a compatible smartphone to receive smart notifications, upload activities to Garmin Connect, and download geocaches.
- **ANT+:** Pair with ANT+ compatible sensors such as heart rate monitors, speed/cadence sensors, or temperature sensors to enhance your activity data.

4. Maintenance

4.1 Cleaning the Device

To maintain the performance and appearance of your GPSMAP 64sx:

- Wipe the device with a soft, lint-free cloth.
- For stubborn dirt, use a cloth lightly dampened with water. Avoid harsh chemicals or abrasive cleaners.
- Ensure the USB port and battery compartment are free of debris before closing.

4.2 Battery Care and Storage

Proper battery care extends the life of your device and batteries:

- Remove batteries if the device will not be used for an extended period to prevent leakage.
- Store the device in a cool, dry place away from direct sunlight and extreme temperatures.
- Dispose of batteries according to local regulations.

4.3 Water Resistance

The GPSMAP 64sx is designed to be rugged and water-resistant. While it can withstand splashes, rain, and brief immersion, it is not intended for prolonged underwater use. Ensure all port covers and the battery compartment are

securely closed before exposure to water.

5. Troubleshooting

This section addresses common issues you might encounter with your GPSMAP 64sx.

5.1 Device Not Powering On

- Ensure batteries are correctly installed with the correct polarity.
- Replace old or depleted batteries with fresh ones.
- Check for any corrosion in the battery compartment.

5.2 GPS Signal Acquisition Issues

- Ensure you are in an open area with a clear view of the sky.
- Allow sufficient time for the device to acquire satellites, especially after being off for a long period or traveling a significant distance.
- Verify that the GPS is enabled in the device settings.

5.3 Connectivity Problems (Bluetooth/ANT+)

- Ensure Bluetooth/ANT+ is enabled on both the GPSMAP 64sx and the device you are trying to connect to.
- Move the devices closer to each other.
- Try restarting both devices.
- Remove and re-pair the devices in their respective settings.

5.4 Map Display Issues

- Ensure the correct map regions are enabled in the device's map settings.
- Verify that the map data is not corrupted. If issues persist, consider reinstalling map data via Garmin Express.

6. Technical Specifications

Feature	Detail
Model Name	GPSMAP 64sx
Model Number	010-02258-10
Product Dimensions	6.3 x 2.4 x 1.4 inches
Item Weight	8 ounces
Screen Size	2.6 Inches
Display Resolution	160 x 240 pixels
Battery Type	1 CR123A battery required (supports AA with optional pack)
Battery Life	Up to 16 hours (GPS mode)
GPS Receiver	High-sensitivity with quad helix antenna
GNSS Support	GPS, GLONASS, Galileo

Feature	Detail
Sensors	3-axis Compass, Barometric Altimeter
Connectivity	Bluetooth, ANT+
Map Type	Preloaded TopoActive Maps (U.S. and Australia)
Interface	Buttons
Water Resistance	Rugged and water-resistant

7. Support and Warranty Information

7.1 Official User Manual

For comprehensive details and advanced features, please refer to the official PDF user manual:

Download Official User Manual (PDF)

7.2 Garmin Support

For additional support, product registration, software updates, and frequently asked questions, visit the official Garmin support website or the Garmin store:

- **Garmin Support Website**
- **Visit the Garmin Store on Amazon**

7.3 Warranty Information

Garmin products are typically covered by a limited warranty. For specific warranty terms and conditions applicable to your GPSMAP 64sx, please refer to the documentation included with your product or visit the Garmin support website. Retain your proof of purchase for warranty claims.

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