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Garmin 010-00868-20

Garmin GPSMAP 62sc Handheld Navigator User Manual

Model: 010-00868-20

Introduction

The Garmin GPSMAP 62sc is a rugged and versatile handheld navigator designed for outdoor adventures. It features a high-sensitivity GPS receiver with WAAS and HotFix satellite prediction for quick and precise positioning, even in challenging environments. Equipped with a 3-axis tilt-compensated electronic compass and a barometric altimeter, it provides comprehensive navigation data. A built-in 5-megapixel autofocus camera with geotagging capabilities allows you to capture and remember specific locations. This device supports various mapping options, wireless sharing, and paperless geocaching, making it an ideal companion for hiking, geocaching, and other outdoor pursuits.





Figure 1: The Garmin GPSMAP 62sc handheld navigator. The screen shows a topographic map with contour lines and water bodies, indicating a mountainous or hilly terrain. A small thumbnail image labeled "Waterfall.JPG" is visible in the upper left corner, along with a distance of "2.22 mi" and a compass direction "N". The device features physical buttons for navigation and menu access, including 'IN', 'OUT', 'FIND', 'PAGE', 'MARK', 'MENU', 'QUIT', and 'ENTER', surrounding a directional pad.

What's in the Box

Upon unboxing your Garmin GPSMAP 62sc, verify that all the following components are included:

- GPSMAP 62sc Handheld Navigator
- 2 AA NiMH Batteries
- Carabiner Clip
- Battery Charger
- USB Cable
- Quick Start Manual
- Warranty Information

Setup

1. Battery Installation

1. Locate the battery compartment cover on the back of the device.
2. Twist the D-ring counter-clockwise to unlock and remove the cover.
3. Insert the two included AA NiMH batteries, ensuring correct polarity (+ and -).
4. Replace the battery compartment cover and twist the D-ring clockwise to secure it.

2. Powering On/Off

- To power on the device, press and hold the **POWER** button until the screen illuminates.
- To power off the device, press and hold the **POWER** button until the power-off prompt appears, then select 'Off'.

3. Initial Setup

Upon first power-on, the device will guide you through initial setup steps, including language selection, time zone, and unit preferences. Follow the on-screen prompts to configure these settings.

4. Map Installation and Management

The GPSMAP 62sc comes with a worldwide basemap with shaded relief. For more detailed navigation, you can install additional maps:

- **Preloaded Cards:** Insert compatible Garmin BlueChart g2 or City Navigator NT preloaded microSD cards into the device's card slot.
- **Downloadable Maps:** Utilize the 3.5 GB of internal memory to download 24K and 100K TOPO U.S. maps.
- **BirdsEye Satellite Imagery:** With a subscription, download satellite images to your device and integrate them with your maps.
- **Custom Maps:** The device is compatible with Custom Maps, a free software that converts paper and electronic maps into a downloadable format for your device.

Connect the device to your computer via the USB cable to manage maps and data.

Operating the GPSMAP 62sc

1. Basic Navigation

The GPSMAP 62sc utilizes a high-sensitivity GPS receiver with WAAS and HotFix satellite prediction to quickly and accurately determine your position. It maintains GPS lock even in dense tree cover or deep canyons.

- **Finding Your Location:** The device automatically acquires satellites upon power-on. Your current position is displayed on the map screen.
- **Waypoints:** Mark specific locations by pressing the **MARK** button. You can name and add notes to waypoints.
- **Routes:** Create routes by linking multiple waypoints. The device will guide you along the defined path.
- **Tracks:** The device automatically records your path as a track. You can save, view, and navigate along recorded tracks.
- Use the directional pad to pan the map and the **IN** and **OUT** buttons to zoom.
- Press the **PAGE** button to cycle through different data screens (Map, Compass, Trip Computer, Altimeter, etc.).

2. Compass Usage

The built-in 3-axis tilt-compensated electronic compass provides accurate heading information even when you are standing still and not holding the device level. Access the compass screen by pressing the **PAGE** button until it appears.

3. Altimeter Usage

The barometric altimeter tracks changes in pressure to pinpoint your precise altitude. It can also be used to plot barometric pressure over time, which assists in monitoring changing weather conditions. View altitude data on the altimeter screen.

4. Camera Functions and Geotagging

The GPSMAP 62sc features a 5-megapixel autofocus camera. Each photo taken is automatically geotagged with the exact coordinates of where it was captured. This allows you to easily navigate back to the photo location in the future.

- To take a photo, navigate to the camera application and press **ENTER**.
- Photos are stored internally and can be viewed on the device or transferred to a computer.

5. Wireless Sharing

Share your waypoints, tracks, routes, and geocaches wirelessly with other compatible Garmin device users. This feature allows for easy exchange of outdoor data with friends and fellow adventurers.

- Access the wireless sharing option from the main menu.
- Select the data you wish to send and choose the receiving device.

6. Geocaching

The GPSMAP 62sc supports paperless geocaching by directly downloading GPX files. This eliminates the need for manual coordinate entry and paper printouts.

- Download GPX files from geocaching websites (e.g., OpenCaching.com) to your computer.
- Connect your device via USB and transfer the GPX files to the appropriate folder.
- The device will display key geocache information, including location, terrain, difficulty, hints, and descriptions.

7. Connecting to Garmin Connect

Connect your GPSMAP 62sc to your computer and the internet to use Garmin Connect. This online platform allows you to store, analyze, and share your activities.

- Upload your recorded tracks and waypoints for detailed analysis.
- View your activities on a map using Google Earth integration.
- Explore routes uploaded by other Garmin Connect users.
- Share your experiences on social media platforms like Twitter and Facebook.

Maintenance

- **Cleaning:** Wipe the device with a soft, damp cloth. Avoid harsh chemicals or abrasive cleaners.
- **Waterproofing:** The GPSMAP 62sc is IPX7 waterproof. Ensure the battery cover and any port covers are securely closed before exposing the device to water. Do not submerge the device beyond 1 meter for more than 30 minutes.
- **Battery Care:** For optimal battery life, use the included NiMH batteries and charger. If storing the device for extended periods, remove the batteries.

Troubleshooting

- **Device Not Powering On:** Ensure batteries are correctly installed and charged. Try replacing batteries with fresh ones.
- **GPS Signal Loss:** Move to an open area with a clear view of the sky. Ensure the device is not obstructed by tall buildings or dense foliage.
- **Inaccurate Readings:** Calibrate the compass and altimeter as per the quick start manual instructions. Ensure

WAAS is enabled for improved accuracy.

- **Connectivity Issues (USB/Wireless):** Ensure the USB cable is securely connected. For wireless sharing, ensure both devices are compatible and within range.
- **Software Issues:** Check Garmin's official website for firmware updates. If issues persist, a factory reset may be necessary (refer to the quick start manual for instructions).

Specifications

Feature	Detail
Product Dimensions	1.4 x 2.4 x 6.3 inches
Item Weight	9.3 ounces
Model Number	010-00868-20
Batteries	2 AA batteries (included)
RAM	3584 MB
Connectivity	USB, Wireless
Special Features	Waterproof (IPX7), 5MP Autofocus Camera with Geotagging, 3-axis Tilt-compensated Electronic Compass, Barometric Altimeter
Display	2.6 inches, 65K color TFT
Human Interface Input	Buttons
Map Type	Street, Topographical (with compatible maps)
Battery Life	Up to 20 Hours
Mounting Type	Handheld

Warranty and Support

For detailed warranty information, please refer to the warranty card included in your product packaging or visit the official Garmin website. For technical support, software updates, or additional resources, please visit the Garmin support portal or contact their customer service.
Garmin Official Website: www.garmin.com

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