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Garmin GPSMAP 64st

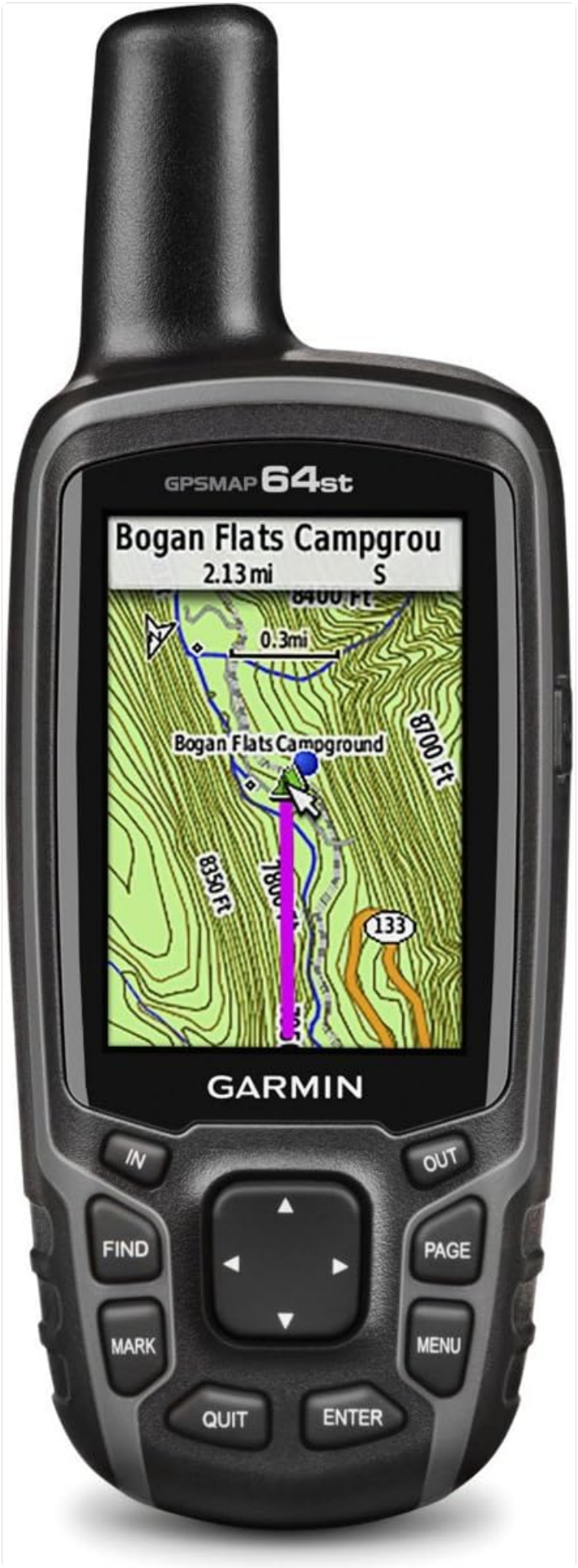
Garmin GPSMAP 64st Handheld GPS Instruction Manual

Model: GPSMAP 64st (Part Number: 010-01199-20)

Introduction

The Garmin GPSMAP 64st is a rugged, full-featured handheld GPS device designed for reliable outdoor navigation. It features a 2.6-inch sunlight-readable color screen, a high-sensitivity GPS and GLONASS receiver with a quad-helix antenna, and preloaded TOPO U.S. 100K maps. This manual provides essential information for setting up, operating, and maintaining your device to ensure optimal performance during your outdoor pursuits.

Device Overview



This image shows the Garmin GPSMAP 64st handheld GPS unit. The device has a black, rugged casing with physical buttons. The screen displays a detailed topographic map with contour lines, a marked route, and a destination labeled 'Bogan Flats Campground'. Key buttons visible include 'IN', 'OUT', 'FIND', 'MARK', 'QUIT', 'ENTER', 'PAGE', and 'MENU', along with a central directional pad.

Key Features:

- 2.6-inch sunlight-readable color display.
- High-sensitivity GPS and GLONASS receiver with quad-helix antenna for superior reception.
- Preloaded TOPO U.S. 100K maps and a 1-year BirdsEye Satellite Imagery subscription.
- 3-axis electronic compass with barometric altimeter.
- Wireless connectivity via Bluetooth Smart and ANT+ technology.
- 8 GB internal memory with a microSD card slot for additional mapping.
- IPX7 water rating for durability in various conditions.

Setup

1. Battery Installation

The GPSMAP 64st operates on two AA batteries. You can use traditional disposable AA batteries or an optional rechargeable NiMH battery pack. The NiMH pack can be charged while installed in the device.

1. Locate the battery compartment cover on the back of the device.
2. Turn the D-ring counter-clockwise and remove the cover.
3. Insert two AA batteries, observing the polarity markings (+ and -).
4. Replace the battery cover and turn the D-ring clockwise to secure it.

2. Powering On and Off

- To power on: Press and hold the **POWER** button (located on the right side) until the screen illuminates.
- To power off: Press and hold the **POWER** button until the power off prompt appears, then select **Off**.

3. Initial Configuration

Upon first use, the device will guide you through initial setup, including language, time zone, and unit preferences. Follow the on-screen prompts.

4. Map Installation and Management

Your GPSMAP 64st comes with preloaded TOPO U.S. 100K maps and a 1-year BirdsEye Satellite Imagery subscription. You can expand mapping capabilities:

- **microSD Card:** Insert a microSD card into the designated slot to add detailed topographic maps (e.g., TOPO 24K), marine charts (BlueChart g2), or road maps (City Navigator NT).
- **Garmin Custom Maps:** Convert paper or electronic maps into a downloadable format for use on your device.

5. Wireless Connectivity

The device supports Bluetooth Smart and ANT+ for wireless communication:

- **Bluetooth Smart:** Pair with a compatible smartphone (iPhone 4s or later) to receive Smart Notifications (emails, texts, alerts) directly on your device.
- **ANT+:** Connect to optional accessory sensors such as a heart rate monitor, tempe™ temperature sensor, or foot pod. It can also control compatible Garmin VIRB™ action cameras.

Operating Instructions

1. Basic Navigation

The GPSMAP 64st allows you to create and follow waypoints, routes, and tracks.

- **Waypoints:** Mark specific locations. Press **MARK** to save your current location as a waypoint.
- **Routes:** Create a sequence of waypoints to navigate a planned path.
- **Tracks:** Record your path as you travel.
- **Finding Destinations:** Use the **FIND** button to search for waypoints, geocaches, or points of interest.

2. Using the Compass and Altimeter

- **3-Axis Electronic Compass:** Provides accurate heading information even when stationary or not held level.
- **Barometric Altimeter:** Tracks changes in atmospheric pressure to determine precise altitude. It can also plot barometric pressure over time, aiding in weather trend monitoring.

3. Geocaching

The device supports paperless geocaching, preloaded with 250,000 caches from Geocaching.com. It displays key information such as location, terrain, difficulty, hints, and descriptions, eliminating the need for manual coordinate entry or paper printouts.

4. Smart Notifications

When paired with a compatible smartphone via Bluetooth Smart, you can receive email, text messages, and other alerts directly on your GPSMAP 64st display, allowing you to stay connected without accessing your phone.

5. Garmin Connect and BaseCamp

- **Garmin Connect:** Wirelessly upload your activity data to Garmin Connect to view on your smartphone and share activities in real-time using Live Track.
- **BaseCamp Software:** Use this free trip-planning software on your computer to view and organize maps, waypoints, routes, and tracks. Create Garmin Adventures to share with others. BaseCamp can display topographic map data in 2-D or 3-D and transfer satellite images to your device with a BirdsEye Satellite Imagery subscription.

6. Button Functions

Familiarize yourself with the device's physical buttons for efficient operation:

Button	Function
POWER	Press and hold to turn the device on or off. Press briefly to adjust backlight or access power menu.
IN / OUT	Zoom in or out on the map.
FIND	Search for waypoints, geocaches, or points of interest.
MARK	Mark your current location as a waypoint.
QUIT	Cancel an action or return to the previous page.
ENTER	Confirm selections or open menus.
PAGE	Cycle through main pages (Map, Compass, Trip Computer, etc.).
MENU	Open the options menu for the current page. Press twice to open the main menu.
Directional Pad	Navigate menus, pan the map, or move the cursor.

Maintenance

1. Cleaning the Device

Regular cleaning helps maintain device performance and longevity.

- Wipe the screen and casing with a soft, lint-free cloth.
- For stubborn dirt, use a mild soap solution and a damp cloth, then rinse thoroughly with fresh water.
- Ensure the battery compartment and USB port covers are securely closed to maintain water resistance.

2. Software Updates

Garmin periodically releases software updates to improve performance, add features, and fix bugs. It is recommended to keep your device's firmware updated.

- Connect your device to a computer using the USB cable.
- Visit the Garmin website and use Garmin Express software to check for and install available updates.

3. Battery Care

To maximize battery life and performance:

- Remove batteries if the device will not be used for an extended period.
- Use high-quality AA batteries or the recommended Garmin NiMH battery pack.
- Adjust backlight settings to conserve power.

Troubleshooting

1. Device Not Acquiring Satellite Signal

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

2. Short Battery Life

- Reduce backlight brightness and timeout settings.
- Disable unnecessary features like Bluetooth or ANT+ if not in use.
- Ensure batteries are fresh or fully charged. Consider using the optional NiMH battery pack for consistent performance.

3. Map Display Issues

- Verify that the desired maps are enabled in the device's map settings.
- Ensure maps are properly installed on the device's internal memory or microSD card.
- Update device firmware and map data using Garmin Express.

Specifications

Feature	Detail
Display Size	2.6 inches (diagonal)
Display Type	Sunlight-readable color display
Display Resolution	160 x 240 pixels
Physical Dimensions	1.4"L x 2.4"W x 6.3"H (3.6 x 6.1 x 16.0 cm)
Weight	8.1 oz (230 g) with batteries
Battery Type	2 AA batteries (NiMH or Lithium recommended)
Battery Life	Up to 16 hours
Water Rating	IPX7 (submersible in 1 meter of water for 30 minutes)
Internal Memory	8 GB
Expandable Memory	microSD card slot
High-Sensitivity Receiver	GPS and GLONASS
Interface	High-speed USB and NMEA 0183 compatible
Preloaded Maps	TOPO U.S. 100K
Sensors	3-axis electronic compass, Barometric altimeter
Connectivity	Bluetooth Smart, ANT+

Warranty and Support

For warranty information, technical support, or additional resources, please visit the official Garmin website or contact Garmin customer service. Keep your proof of purchase for warranty claims.
Garmin provides comprehensive support and resources to help you get the most out of your GPSMAP 64st device.

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