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Magellan Meridian Water Resistant Hiking GPS User Manual

Model: 980598-01

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1. INTRODUCTION

The Magellan Meridian is a robust, water-resistant handheld Global Positioning System (GPS) receiver designed for hiking and outdoor navigation. It features a 12-channel GPS unit, a 2 MB built-in base map, and a Secure Digital (SD) memory card slot for expanded data storage. This manual provides essential information for setting up, operating, maintaining, and troubleshooting your device.

Key features include a worldwide database of political boundaries and major cities, WAAS and EGNOS capability for enhanced accuracy, and an oversized grayscale display with backlight for clear visibility in various lighting conditions.

2. SETUP

2.1 Battery Installation

The Magellan Meridian requires two (2) AA batteries for operation. Ensure the device is powered off before installing or replacing batteries.

1. Locate the battery compartment cover on the back of the unit.
2. Slide the latches or unscrew the cover to open the compartment.
3. Insert two AA batteries, observing the correct polarity (+/-) indicated inside the compartment.
4. Securely close the battery compartment cover.



Figure 1: Rear view of the Magellan Meridian GPS, illustrating the battery compartment area and securing latches.

2.2 Powering On/Off

To power on the device, press and hold the **POWER** button until the screen illuminates. To power off, press and hold the **POWER** button again until the device shuts down.

2.3 Initial Satellite Acquisition

Upon first power-on or after a long period of inactivity, the device may take a few minutes to acquire satellite signals. For best results, operate the unit outdoors with a clear view of the sky.

2.4 Language Selection

The Meridian supports multiple languages including English, French, German, Dutch, Finnish, Spanish, Italian, Portuguese, and Swedish. Refer to the on-screen menu options during initial setup or in the system settings to select your preferred language.

2.5 Secure Digital (SD) Memory Card

The device features a Secure Digital (SD) memory card slot for expanded storage of maps, waypoints, and routes. Insert an SD card into the designated slot until it clicks into place. Ensure the card is inserted correctly to avoid damage.

3. OPERATION

3.1 Navigation Screens

The Magellan Meridian features seven distinct navigation screens, including a map screen, compass screen, and vertical profile graphs. Use the **PAGE** button to cycle through these screens.



Figure 2: Display screen of the Magellan Meridian GPS, showing a detailed street map with current location and street names.

3.2 Keypad Functions

The backlit keypad allows for easy input and navigation through menus. Common buttons include:

- **IN/OUT:** Zoom in and out on map screens.
- **ENTER:** Confirm selections or access options.
- **ESC:** Go back to the previous screen or cancel an action.
- **MENU:** Access main menu options.

- **JOYSTICK/ARROW KEYS:** Navigate through menus and pan the map.

3.3 Waypoints and Routes

The device can store up to 500 waypoints and 20 reversible routes with up to 30 legs each. Refer to the on-screen menu for creating, saving, and navigating to waypoints and routes.

3.4 WAAS and EGNOS

The Meridian supports Wide Area Augmentation System (WAAS) and European Geostationary Navigation Overlay Service (EGNOS) for improved positional accuracy in regions where these systems are available. This feature is typically enabled by default but can be managed in the system settings.

3.5 PC Compatibility

The unit is PC compatible, allowing for data transfer and use with Magellan's MapSend software (e.g., MapSend Streets Europe, MapSend Topo for the United States). Connect the device to your computer using a compatible data cable (sold separately) and follow the software instructions for data management.

4. MAINTENANCE

4.1 Cleaning

The Magellan Meridian is waterproof. To clean the device, wipe it with a damp cloth. Avoid using harsh chemicals or abrasive cleaners, which can damage the casing or screen.

4.2 Storage

When storing the device for extended periods, remove the AA batteries to prevent leakage and potential damage. Store the unit in a cool, dry place away from direct sunlight.

5. TROUBLESHOOTING

5.1 No Power

- Ensure batteries are correctly installed with proper polarity.
- Replace old or depleted batteries with fresh AA batteries.
- Check battery compartment for corrosion.

5.2 Cannot Acquire Satellite Signal

- Ensure the device is used outdoors with a clear view of the sky, away from tall buildings or dense foliage.
- Allow sufficient time (up to several minutes) for initial satellite acquisition.
- Verify that the GPS antenna is not obstructed.

5.3 Display Issues

- Adjust the backlight settings if the screen is too dim.
- Ensure the screen is clean and free from debris.
- If the display is frozen, try removing and reinserting the batteries to perform a soft reset.

5.4 Data Transfer Problems

- Ensure the correct data cable is used and securely connected to both the GPS unit and the PC.
- Verify that the Magellan MapSend software is correctly installed and configured on your computer.
- Check the SD card for proper insertion and functionality.

For more detailed troubleshooting or issues not covered here, please refer to the comprehensive user manual available on the Magellan support website.

6. SPECIFICATIONS

Feature	Detail
Model Number	980598-01
Dimensions (L x W x H)	9 x 0.2 x 6 inches
Item Weight	1.55 pounds
Batteries Required	2 AA batteries
Battery Life	Approximately 8 Hours
Special Features	Waterproof, Backlit Keypad
Display Type	Oversized Grayscale Display with Backlight
Screen Size	3 Inches
GPS Channels	12 Parallel Channels
Internal Memory	2 MB Base Map (Worldwide)
Expandable Memory	Secure Digital (SD) Memory Card Slot
Waypoint Storage	Up to 500 Waypoints
Route Storage	Up to 20 Reversible Routes (30 legs each)
Augmentation Systems	WAAS, EGNOS
Human Interface Input	Keypad
Mounting Type	Wrist Mount (strap included)
UPC	763357103151

7. WARRANTY AND SUPPORT

Warranty information for the Magellan Meridian GPS unit is typically provided with the product at the time of purchase. Please refer to the documentation included in your product packaging for specific warranty terms and conditions.

For technical support, product registration, or to access the latest software updates and comprehensive user guides, please visit the official Magellan support website. Contact information for customer service can also be found on the manufacturer's website.

Note: Keep your proof of purchase for warranty claims.

