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Garmin 010-02088-01

Garmin GPSMAP 66i GPS Handheld and Satellite Communicator User Manual

Model: 010-02088-01

Product Overview

The Garmin GPSMAP 66i is a rugged, button-operated GPS handheld device and satellite communicator designed for precise navigation and global communication in outdoor environments. It integrates advanced mapping capabilities with inReach technology for enhanced safety and connectivity.





Figure 1: Front view of the Garmin GPSMAP 66i displaying a topographic map and an incoming message.

Key Features:

- **Large 3-inch Sunlight-Readable Color Display:** Ensures clear visibility in various lighting conditions.
- **Interactive SOS Alerts:** Trigger an SOS message to the GEOS 24/7 search and rescue monitoring center (satellite subscription required).
- **Two-Way Messaging:** Communicate globally via the 100% Global Iridium satellite network (satellite subscription required).
- **Preloaded Garmin TOPO Mapping:** Comes with detailed topographic maps for navigation.
- **Birdseye Satellite Imagery Downloads:** Access high-resolution satellite imagery directly on the device without an annual subscription.
- **Multi-GNSS Support:** Utilizes multiple global navigation satellite systems (GPS, GALILEO) for accurate positioning.
- **Cellular Connectivity:** Access active weather forecasts and geocaching live features.
- **Garmin Explore Compatibility:** Manage waypoints, routes, activities, and collections via the Garmin Explore website and app.

- **Long-Lasting Battery:** Internal rechargeable lithium battery provides up to 35 hours in 10-minute tracking mode and up to 200 hours in Expedition mode.

Notice: Some jurisdictions regulate or prohibit the use of satellite communications devices. It is the responsibility of the user to know and follow all applicable laws in the jurisdictions where the device is intended to be used.

Getting Started

What's in the Box:

- Garmin GPSMAP 66i device
- Access to Birdseye Satellite Imagery
- USB Cable
- Carabiner Clip
- Documentation (this manual)





Figure 2: Rear view of the GPSMAP 66i, highlighting the battery cover and attachment points.

Initial Setup:

1. **Charge the Device:** Connect the GPSMAP 66i to a power source using the provided USB cable. Ensure the device is fully charged before first use.
2. **Power On:** Press and hold the power button located on the top right side of the device until the Garmin logo appears.
3. **Initial Configuration:** Follow the on-screen prompts to select your language, time zone, and other initial settings.
4. **Activate inReach Subscription:** To utilize the satellite communication features (SOS, two-way messaging), an active satellite subscription is required. Visit the Garmin inReach website to activate your plan.

Operating Your Device

Navigation and Mapping:

The GPSMAP 66i comes preloaded with Garmin TOPO mapping, providing detailed terrain information. You can also download Birdseye Satellite Imagery for enhanced visual context of your surroundings.




GPSMAP 66i
10:10AM
80m
N
Weg
Zeltplatz
SOS
GARMIN
+
−
FIND
PAGE
MARK
MENU
QUIT
ENTER

Figure 3: The GPSMAP 66i showing a detailed map view, useful for outdoor navigation.

- **Viewing Maps:** Use the directional pad to pan across the map. Use the **+** and **-** buttons to zoom in and out.
- **Waypoints and Routes:** Mark specific locations as waypoints and create custom routes for your adventures. These can be managed on the device or through the Garmin Explore app.
- **GNSS Support:** The device supports multiple Global Navigation Satellite Systems (GNSS) including GPS and GALILEO for improved accuracy and reliability in challenging environments.

Satellite Communication (inReach Technology):

The inReach technology allows you to stay connected even when outside cellular range, using the Iridium satellite network.





Figure 4: The GPSMAP 66i screen showing a text message exchange, demonstrating its two-way communication capability.

- **Two-Way Messaging:** Send and receive text messages to and from any cell phone number or email address globally.
- **Interactive SOS:** In an emergency, trigger an interactive SOS message to the GEOS 24/7 search and rescue monitoring center. The SOS button is located on the side of the device, protected by a cover to prevent accidental activation.
- **Location Sharing:** Share your location with friends and family, allowing them to track your progress.





Figure 5: Side view of the GPSMAP 66i, highlighting the SOS button for emergency use.

Additional Features:

- **Active Weather:** Receive up-to-date weather forecasts directly on your device via cellular connectivity.
- **Geocaching Live:** Access geocaches directly from Geocaching.com.
- **Garmin Explore App:** Sync your device with the Garmin Explore app on your smartphone to plan trips, manage data, and review activities.

Your browser does not support the video tag.

Video 1: An overview of the Garmin Handheld and Satellite Communicator, showcasing its features and use in outdoor settings.

Maintenance

- **Cleaning:** Clean the device with a cloth dampened with a mild detergent solution. Wipe dry. Avoid harsh chemicals or abrasive cleaners.
- **Storage:** Store the device in a cool, dry place away from direct sunlight and extreme temperatures.
- **Software Updates:** Regularly check for and install software updates using Garmin Express on your computer or through the Garmin Explore app. Updates often include performance improvements and new features.

Troubleshooting

Common Issues and Solutions:

- **Device Not Powering On:** Ensure the battery is charged. Connect to a power source and try again. If unresponsive, perform a soft reset by holding the power button for an extended period (e.g., 10-15 seconds).
- **No Satellite Signal:** Ensure you have a clear view of the sky. Move away from tall buildings, dense tree cover, or deep canyons. Verify your inReach subscription is active.
- **Messaging Issues:** Check your satellite subscription status. Ensure the device has a clear line of sight to the sky. Messages may take longer to send or receive in challenging environments.
- **Connectivity Problems (Bluetooth/Wi-Fi):** Ensure Bluetooth and Wi-Fi are enabled on both the GPSMAP 66i and your paired smartphone. Restart both devices and attempt to reconnect.

For more detailed troubleshooting or persistent issues, refer to the comprehensive online support resources available on the Garmin website or contact Garmin customer support.

Specifications

Feature	Detail
Product Dimensions	6.4 x 2.6 x 1.4 inches
Item Weight	1.28 ounces
Item Model Number	010-02088-01
Batteries	1 Lithium Polymer batteries required (included)
Display Resolution	240 x 400 pixels
Screen Size	3 Inches
Human Interface Input	Buttons
Wireless Communication Technologies	Bluetooth, Wi-Fi
Connectivity Technologies	Bluetooth, ANT+, Wi-Fi
Map Type	Topographical
Battery Life	Up to 35 hours (10-min tracking), 200 hours (Expedition mode)
Mounting Type	Wrist Mount (found in image)
Country of Origin	USA

Warranty and Support

Garmin products typically come with a limited warranty. For specific warranty details, please refer to the documentation included with your device or visit the official Garmin website. For technical support, product registration, and additional resources, please visit Garmin Support.

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