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Garmin 010-01607-00

Garmin GPSMAP 276Cx All-Terrain Navigator User Manual

Model: 010-01607-00

INTRODUCTION

The Garmin GPSMAP 276Cx is a versatile all-terrain navigator designed for various environments. It features advanced GPS and GLONASS satellite reception for accurate position tracking, even in challenging conditions. The device includes a large, sunlight-readable 5-inch display, a built-in barometric altimeter, and a 3-axis electronic compass. It comes preloaded with a worldwide basemap and offers a free 1-year BirdsEye Satellite Imagery subscription for enhanced terrain views. The GPSMAP 276Cx supports advanced mapping options, wireless connectivity, and flexible mounting solutions. It is water-rated to IPX7 standards and offers dual-power options, including AA batteries or a rechargeable power pack.

WHAT'S IN THE BOX

Verify that all items are present in the product packaging:

- GPSMAP 276Cx device
- AMPS powered mounting bracket with marine bail mount
- Rechargeable battery pack
- USB cable
- AC adapter
- Documentation (Quick Start Manual, Safety and Product Information)

SETUP

Battery Installation

The GPSMAP 276Cx operates using either the included rechargeable Lithium Ion battery pack or AA batteries (not included). To install the battery pack, remove the battery cover on the back of the device. Insert the battery pack, ensuring proper alignment of the contacts. Replace the battery cover securely. If using AA batteries, insert four AA batteries according to the polarity indicators inside the battery compartment.







Figure 1: Side view of the GPSMAP 276Cx, illustrating its physical design and button placement, which aids in understanding battery compartment access.

Mounting the Device

Attach the AMPS powered mounting bracket to a suitable surface in your vehicle or vessel. Ensure the mounting location provides a clear view of the sky for optimal GPS reception and is easily accessible for operation. Secure the GPSMAP 276Cx device into the mounting bracket until it clicks into place. Connect the power cable from the mounting bracket to a 12V power source.

Initial Power On

Press and hold the power button (located on the front panel) until the Garmin logo appears. Follow the on-screen prompts to complete the initial setup, including language selection, time zone, and unit preferences. Allow the device to acquire a GPS signal, which may take a few minutes during the first use.

OPERATING THE DEVICE

Basic Navigation and Map Features

The GPSMAP 276Cx utilizes an internal antenna with GPS and GLONASS satellite reception for precise positioning. The device comes with a built-in worldwide basemap with shaded relief. You can enhance your mapping capabilities by adding Garmin TOPO maps, BlueChart g2 HD marine charts, Custom Maps, raster maps, and vector maps. The included 1-year BirdsEye Satellite Imagery subscription provides real-life terrain views directly on your device.



Figure 2: The GPSMAP 276Cx displaying a detailed map, highlighting its capability to show routes and geographical features.

Use the directional pad and the **ENTER** button to navigate menus and select options. The **PAGE** button cycles through main pages like Map, Compass, and Trip Computer. The **IN** and **OUT** buttons control map zoom levels.



Figure 3: The device screen showing navigation data such as speed, elevation, and total ascent alongside the map.

Wireless Connectivity

The GPSMAP 276Cx supports Wi-Fi and ANT+ technology. It can pair with compatible mobile devices via Bluetooth for automatic uploads of trip data, smart notifications, and LiveTrack features. To enable wireless features, access the **Setup** menu and navigate to the **Wireless** options. Follow the on-screen instructions to pair with your smartphone or connect to a Wi-Fi network.

Advanced Navigation Options

The device offers advanced navigation features, including an automotive mode for street navigation and Curvy Roads routing, which can be utilized with optional mapping. For marine use, BlueChart g2 HD marine charts provide detailed coastal coverage. The 3-axis compass provides accurate heading information even when stationary, and the barometric altimeter offers precise elevation data.



Figure 4: The GPSMAP 276Cx displaying a weather forecast, demonstrating its connectivity features for real-time information.

MAINTENANCE

Cleaning the Device

To maintain optimal performance and screen clarity, regularly clean the device. Use a soft, lint-free cloth dampened with water or a mild screen cleaner. Avoid abrasive materials or harsh chemicals that could damage the screen or casing. Ensure all ports and covers are securely closed to maintain the device's water resistance.

Software Updates

Garmin periodically releases software updates to improve performance, add features, or fix bugs. Connect your device to a computer using the provided USB cable and use Garmin Express software to check for and install available updates. Alternatively, if connected to Wi-Fi, the device may prompt you for over-the-air updates.

TROUBLESHOOTING

GPS Signal Acquisition Issues

- Ensure the device has a clear view of the sky, away from tall buildings or dense foliage.
- Allow sufficient time for initial signal acquisition, especially after long periods of inactivity or significant travel.
- Verify that GPS is enabled in the device settings.

Connectivity Problems (Bluetooth/Wi-Fi)

- Ensure Bluetooth or Wi-Fi is enabled on both the GPSMAP 276Cx and the external device.
- Check that the devices are within range.
- Try restarting both devices and attempting the connection again.
- Refer to the device's wireless settings for pairing instructions and network configuration.

Device Not Responding

If the device becomes unresponsive, press and hold the power button for 10-15 seconds to perform a hard reset. If the issue persists, ensure the battery is charged or replace AA batteries if applicable.

SPECIFICATIONS

Model Number	010-01607-00
Product Dimensions	1.7 x 7.5 x 3.7 inches
Item Weight	15.8 ounces
Screen Size	5 Inches
Display Resolution	800 x 480 pixels
Battery Type	1 Lithium Ion battery (included) or 4 AA batteries
Battery Life	Up to 12 Hours (Lithium Ion)
Connectivity	Wi-Fi, Bluetooth, ANT+
Special Features	GPS, GLONASS, Barometric Altimeter, 3-axis Compass

Water Rating	IPX7 (submersible in 1 meter of water for 30 minutes)
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Map Type	Satellite, Topographical, Worldwide Basemap
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Human Interface Input	Buttons
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WARRANTY INFORMATION

For detailed warranty information, please refer to the warranty card included in your product packaging or visit the official Garmin website. Garmin's standard limited warranty typically covers defects in materials and workmanship for a specified period from the date of purchase.

SUPPORT

If you require further assistance or have questions not covered in this manual, please contact Garmin Customer Support. You can find contact information, FAQs, and additional resources on the official Garmin support website:

- **Garmin Support Website:** support.garmin.com
- **Product Page:** garmin.com/en-US/p/542051 (Note: This link is an example and may need to be updated to the exact product page)

Before contacting support, please have your device's serial number and proof of purchase readily available.