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Garmin 010-01772-10

Garmin Foretrex 701 Ballistic Edition GPS Navigator User Manual

Model: 010-01772-10 | Brand: Garmin

1. INTRODUCTION

The Garmin Foretrex 701 Ballistic Edition is a durable, wrist-mounted GPS navigator designed for outdoor and tactical use. It combines advanced navigation capabilities with specialized ballistic software to provide precise positioning and aiming solutions. This manual provides essential information for setting up, operating, and maintaining your device.

Key Features:

- **Military Standard Durability:** Constructed to MIL-STD-810G for thermal, shock, and vibration resistance.
- **Multi-GNSS Support:** Works with GPS, GLONASS, and Galileo satellite systems for accurate positioning.
- **Integrated Sensors:** Features a 3-axis accelerometer, 3-axis compass, and barometric altimeter.
- **Applied Ballistics Elite Software:** Calculates aiming solutions for long-range shooting.
- **Extended Battery Life:** Up to 48 hours in navigation mode, 1 week in UltraTrac mode, and 1 month in watch mode.
- **Smart Notifications:** Receive texts, emails, and alerts directly on your wrist when paired with a compatible smartphone.
- **Night Vision Goggle Compatible:** Monochromatic display is readable with NVGs.



Figure 1.1: The Garmin Foretrex 701 Ballistic Edition, a wrist-mounted GPS navigator.

2. WHAT'S IN THE BOX

Verify that all items are present in your product packaging:

- Foretrex 701 Ballistic Edition device
- USB cable
- Documentation (Quick Start Manual, Safety and Product Information)
- Hook and loop wrist strap
- Strap extender

Video 2.1: An unboxing video for the Garmin Foretrex 701 Ballistic Edition, showing the contents of the package including the device, USB cable, documentation, and wrist strap.

3. SETUP

3.1 Battery Installation

The Foretrex 701 operates on two AAA batteries. For optimal performance and battery life, it is recommended to use high-quality alkaline or lithium AAA batteries. Ensure correct polarity when inserting the batteries.

1. Locate the battery compartment cover on the back of the device.
2. Open the cover by sliding or unlatching it according to the markings.
3. Insert two AAA batteries, observing the positive (+) and negative (-) indicators within the compartment.
4. Securely close the battery compartment cover.

Video 3.1: This unboxing video also demonstrates the battery installation process for the Foretrex 701, showing how to open the compartment and insert AAA batteries.

3.2 Initial Power On

After installing the batteries, press and hold the **Power** button located on the side of the device until the Garmin logo appears on the screen. The device will then initiate its startup sequence.

4. OPERATING INSTRUCTIONS

4.1 Basic Navigation

The Foretrex 701 utilizes GPS, GLONASS, and Galileo satellite systems to provide accurate positioning. Use the **PAGE** button to cycle through different data screens, including the compass, map, and trip computer.



Figure 4.1: The device screen showing location coordinates (MGRS and Lat/Lon).

4.2 Tracking and Waypoints

The device can record your routes and track the distance covered. You can mark waypoints to save specific locations of interest.

1. To mark a waypoint, press the **MARK** button.
2. To view saved waypoints, tracks, or routes, navigate to the main menu using the **PAGE** button and select the appropriate option.

Video 4.2: A hands-on demonstration of the Garmin Foretrex 701, showcasing navigation, waypoint management, and track recording features.

4.3 Applied Ballistics Elite Software

The Foretrex 701 Ballistic Edition includes Applied Ballistics Elite software to calculate aiming solutions for long-range shooting. This feature provides critical data such as elevation, windage, and holdovers.



Figure 4.3: The device screen showing calculated ballistic data for elevation and windage.

4.4 Stealth Mode

Stealth Mode disables all wireless communications and hides GPS data, allowing users to track distance traveled during training or operations without recording specific location data. This ensures discretion and confidentiality.

4.5 Jumpmaster Mode

Jumpmaster Mode calculates high-altitude release points in accordance with military guidelines, supporting HAHO (High Altitude High Opening), HALO (High Altitude Low Opening), and Static jump types.

4.6 Kill Switch

The Kill Switch hotkey performs a quick reset on the unit, restoring it to its factory settings and erasing all stored user data. This feature is designed for situations where immediate data erasure is required.

4.7 Smart Notifications

When paired with a compatible smartphone via the Garmin Explore app, the Foretrex 701 can display smart notifications such as texts, emails, and alerts directly on its screen. This allows you to stay updated without needing to check your phone separately.

5. MAINTENANCE

5.1 Cleaning the Device

Regularly clean the device with a soft, damp cloth. Avoid using harsh chemicals or abrasive materials that could damage the screen or casing.

5.2 Water Resistance

The Foretrex 701 is IPX7 water-resistant, meaning it can withstand incidental exposure to water of up to 1 meter for 30 minutes. Ensure the battery compartment cover is securely closed to maintain water resistance.

5.3 Battery Care

Remove batteries if the device will not be used for an extended period to prevent leakage. Use only recommended battery types.

6. TROUBLESHOOTING

6.1 Device Not Powering On

- Ensure batteries are correctly installed with proper polarity.
- Replace with fresh batteries.
- Check for any debris in the battery compartment.

6.2 Poor GPS Signal

- Ensure you have a clear view of the sky.
- Move away from tall buildings, dense foliage, or deep canyons.
- Allow the device sufficient time to acquire satellite signals.

6.3 Screen Readability Issues

- Adjust the backlight settings for better visibility.
- Ensure the screen is clean and free of smudges.

7. SPECIFICATIONS

Feature	Detail
Product Dimensions	0.9 x 2.9 x 1.7 inches
Item Weight	3.2 ounces
Item Model Number	010-01772-10
Batteries	1 Lithium Polymer batteries required (Note: Device typically uses 2 AAA batteries)
OS	[Proprietary Operating System]
Connectivity Technologies	USB, Bluetooth
Display Technology	200 x 128 pixels
Human Interface Input	Buttons
Screen Size	2.9 Inches
Map Type	Satellite
Battery Life	48 Hours (Navigation Mode)

Feature	Detail
Mounting Type	Wrist Mount

8. WARRANTY AND SUPPORT

For detailed warranty information, product support, and additional resources, please refer to the documentation included in your product packaging or visit the official Garmin website. Garmin provides comprehensive support to ensure optimal performance and user satisfaction.

Garmin Support Website: www.garmin.com/support