Garmin 010-02618-10

Garmin Xero C1 Pro Compact Chronograph User Manual

Model: 010-02618-10 | Brand: Garmin

1. Product Overview

The Garmin Xero C1 Pro chronograph is a compact and versatile device designed for precise measurement of projectile velocities. It is engineered to provide accurate data for various projectile types, including bullets, arrows, bolts, slugs, birdshot, paintballs, and airsoft BBs. Its user-friendly design and robust construction make it suitable for use in diverse environments.

2. Key Features

- **Wide Velocity Range:** Measures projectiles from 100 fps to 5,000 fps.
- **Simple Setup:** Easy to set up and use; simply turn it on, point it, and shoot within approximately 15 inches of the device.
- **Compact and Portable:** Designed to fit easily in a back pocket for convenient transport.
- **Backlit Display:** Features an easy-to-read, backlit display for clear visibility.
- **Button-Operated:** Intuitive button controls for straightforward operation.
- **Extended Battery Life:** Provides up to 6 hours of battery life for prolonged use at the range.
- **ShotView App Integration:** Pair with your smartphone via Bluetooth to record results, compare velocity for every shot, calculate extreme spreads, and monitor deviation.
- **Non-Interfering Design:** Does not require attachment to your firearm, ensuring no impact on zero or barrel harmonics.
- **Durable Construction:** IPX7 water-resistant rating ensures durability in various weather conditions.

3. What's in the Box

- Garmin Xero C1 Pro chronograph unit
- 1/4-20 thread tripod mount

- USB Type A to Type C cable
- Documentation (Quick Start Manual, Safety and Product Information Manual)

4. Setup Guide

Setting up your Garmin Xero C1 Pro is designed to be quick and easy, allowing you to focus on your shooting activities.

4.1 Initial Charging and Power On

Before first use, ensure the device is fully charged using the provided USB Type A to Type C cable. The charging port is located on the side of the unit. Once charged, press and hold the PWR button (located on the top of the unit) to power on the device.



Figure 1: Top view of the Garmin Xero C1 Pro showing the power and navigation buttons.

4.2 Attaching the Tripod Mount

The Xero C1 Pro comes with a 1/4-20 thread tripod mount. Screw the chronograph onto the tripod mount securely. The tripod provides a stable base for accurate readings.



Figure 2: Garmin Xero C1 Pro attached to its mini tripod, displaying the main menu.

4.3 Positioning the Chronograph

Place the chronograph on a stable surface, such as a shooting bench, approximately 5 to 15 inches from the muzzle of your firearm or the point where the projectile will pass. Ensure the device is pointed downrange, in line with your shot. The radar technology allows for flexible positioning without needing to attach anything to your firearm, preventing interference with zero or barrel harmonics.

4.4 ShotView App Pairing (Optional but Recommended)

For enhanced data tracking and analysis, pair your Xero C1 Pro with the ShotView smartphone app via Bluetooth. Download the app from your device's app store. Follow the on-screen prompts on the chronograph to initiate pairing. The app allows you to record results, compare velocities, calculate extreme spreads, and manage data for different projectiles.

Your browser does not support the video tag.

Video 1: Product Overview Video demonstrating the setup and basic functionality of the Garmin Xero C1 Pro.

5. Operating Instructions

The Garmin Xero C1 Pro is designed for intuitive operation with its button-controlled interface.

5.1 Navigating the Menu

Use the up and down arrow buttons on the top of the device to scroll through menu options. Press the 'OK' button to select an option, and the 'Back' button to return to the previous screen. The 'Back' button also functions as the power button when held down.



Figure 3: The 'Select Mode' menu on the Garmin Xero C1 Pro, allowing selection of projectile type.

5.2 Starting a New Session

From the main menu, select "New Session." The device will prompt you to select the type of projectile (e.g., Rifle, Pistol, Bow, Air Rifle). After selecting, you may be prompted to enter projectile weight for kinetic energy calculations. Once configured, the device is ready to measure velocities.

5.3 Reading Velocity Data

As projectiles pass within the optimal range of the chronograph (approximately 15 inches), the device will automatically detect and display the velocity. The backlit display shows real-time readings, along with average velocity, standard deviation, and extreme spread for the current session. All data is recorded and can be reviewed in the 'History' section or synced to the ShotView app.



Figure 4: Example of a velocity reading display on the Garmin Xero C1 Pro.

6. Maintenance

Proper maintenance ensures the longevity and accuracy of your Garmin Xero C1 Pro.

- **Cleaning:** Wipe the device with a soft, damp cloth after each use to remove any dust, dirt, or debris. Avoid using abrasive cleaners or solvents.
- **Storage:** Store the chronograph in a cool, dry place away from direct sunlight and extreme temperatures. Ensure the device is fully charged before long-term storage.
- **Battery Care:** The device contains a non-user-replaceable lithium-ion battery. Charge regularly to maintain battery health. Avoid fully discharging the battery frequently.
- **Water Resistance:** The IPX7 rating means the device can withstand accidental immersion in 1 meter of water for up to 30 minutes. However, it is not designed for continuous underwater use. Always ensure the charging port cover is securely closed.

7. Troubleshooting

If you encounter issues with your Garmin Xero C1 Pro, refer to the following common solutions:

Problem	Possible Cause	Solution
Device not powering on	Low battery; Power button not held long enough	Charge the device fully. Press and hold the PWR button for several seconds.
Inaccurate or no velocity readings	Incorrect positioning; Obstruction in radar path; Projectile outside velocity range	Ensure device is 5-15 inches from muzzle and pointed downrange. Clear any obstructions. Verify projectile velocity is within 100-5000 fps.
Bluetooth pairing issues	Device not in pairing mode; Bluetooth off on smartphone; Interference	Ensure Bluetooth is enabled on both devices. Restart both devices. Move closer to the smartphone.
Display too dim/bright	Brightness settings need adjustment	Navigate to 'Settings' on the device and adjust display brightness.

8. Specifications

- **Model Name:** Garmin Xero C1 Pro
- **Item Model Number:** 010-02618-10
- **Product Dimensions:** 5.1 x 4.5 x 5.5 inches
- **Item Weight:** 5.7 ounces (161 Grams)
- **Batteries:** 1 Lithium Ion battery required (included)
- **Battery Life:** Up to 6 hours
- **Connectivity Technology:** Bluetooth
- **Human Interface Input:** Buttons

- **Screen Size:** 2.2 Inches
- **Water Resistance:** IPX7 rated
- **Manufacturer:** Garmin
- **Date First Available:** November 19, 2023

9. Warranty and Support

For detailed warranty information and customer support, please refer to the documentation included in your product packaging or visit the official Garmin website. Garmin offers various support resources, including FAQs, software updates, and contact information for technical assistance.
Protection plans are also available for extended coverage. Please check with your retailer or Garmin's official channels for more details on available protection plans.

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