

Garmin 010-02691-00

Garmin Xero L60i Rangefinder User Manual

Overview

Setup

Operation

Features

Maintenance
& Support

Troubleshooting

Specifications

Warranty

1. OVERVIEW

The Garmin Xero L60i is a high-performance laser rangefinder designed for precision distance measurement, mapping, and navigation. It integrates premium optics with advanced GPS technology and state-of-the-art sensors to provide comprehensive data for outdoor activities.

The device features a full-color, high-resolution graphic overlay that displays critical information such as distance, mapping data, and navigation cues directly within your field of view. It offers 7X magnification for clear viewing and can range trees up to 2,000 yards and game animals up to 1,500 yards.

XERO L60i RANGEFINDER

A revolutionary rangefinder above the rest. See your target through premium glass with a high-resolution graphic overlay that displays distance, mapping, navigation and more.

Figure 1: Garmin Xero L60i Rangefinder in an outdoor setting.



Figure 2: Various views of the Garmin Xero L60i Rangefinder.

GRAPHIC OVERLAY

Get a sharp view through a full-color, high-resolution graphic overlay that displays distance, location, mapping, ballistics, navigation and more.

2. SETUP

2.1 What's in the Box

Upon opening the package, ensure all components are present:

- Garmin Xero L60i laser rangefinder
- Carrying case
- 2 lithium AAA batteries
- Power/data cable
- Documentation (this manual and other guides)



Figure 3: Package contents of the Xero L60i.

2.2 Battery Installation

The Xero L60i uses 2 AAA batteries. To install or replace batteries:

1. Locate the battery compartment cover, typically found near the eyepiece.
2. Open the cover.
3. Insert the 2 AAA batteries, ensuring correct polarity (+ and -).
4. Securely close the battery compartment cover.

2.3 Diopter Adjustment

For a clear view of the display and reticle, adjust the diopter:

1. Look through the eyepiece.
2. Rotate the diopter adjustment ring (usually located around the eyepiece) until the display text and reticle appear sharp and in focus for your eye.

3. OPERATION

3.1 Powering On/Off

Press the power button (usually located on the top of the device) to turn the rangefinder on. The device will automatically power off after a period of inactivity to conserve battery life.

3.2 Display Overview

The Xero L60i features a bright, full-color, high-resolution graphic display overlay that presents distance, mapping, navigation, and other data. This overlay is visible through the eyepiece, integrating information seamlessly with your view of the environment.



KNOW THE DISTANCE AND BEYOND

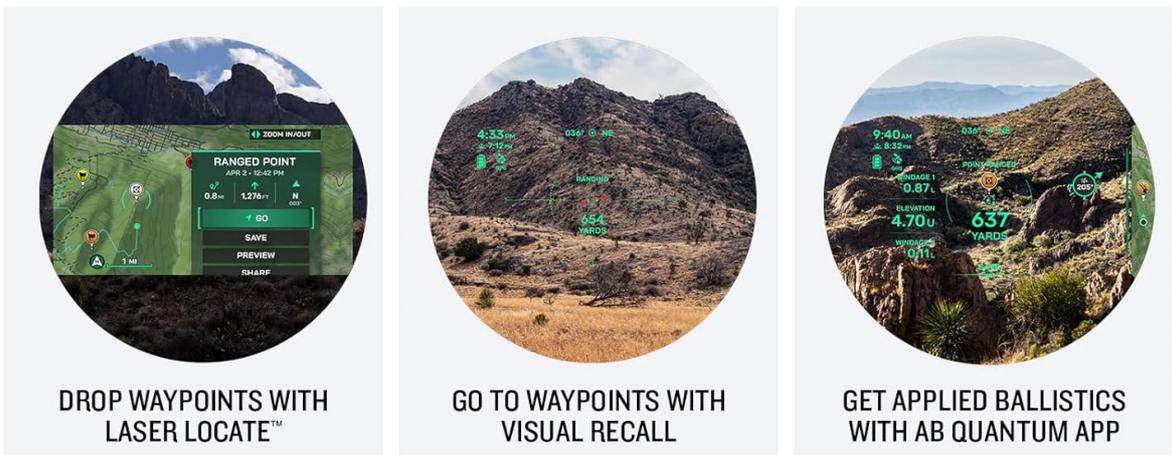


Figure 4: Full-color graphic overlay display.

3.3 Ranging Modes

The Xero L60i offers multiple ranging modes to suit different scenarios:

- **HCD (Horizontal Component Distance) Mode:** Provides angle-compensated distance, which is the horizontal distance to the target, crucial for accurate shooting on inclines or declines.
- **LOS (Line of Sight) Mode:** Displays the straight-line distance between the rangefinder and the target, regardless of the angle.
- **Scan Mode:** Allows for continuous range readings as you pan the rangefinder across a landscape, useful for ranging multiple targets or moving objects.

3.4 Target Modes

To optimize ranging in various environments, select the appropriate target mode:

- **Normal Mode:** Provides the range to the target that yields the strongest laser return. This is the default and most commonly used mode.
- **First Mode:** Prioritizes the closest object in the laser's path. Useful when your target is in front of other objects (e.g., a deer in front of trees).
- **Last Mode:** Prioritizes the farthest object in the laser's path. Useful when your target is behind obstructions like brush or small trees, ensuring you range the intended distant object.

4. KEY FEATURES

4.1 Optics and Magnification

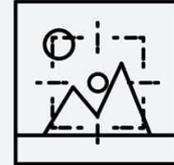
The Xero L60i features razor-sharp optics with a flat field of view, accurate color fidelity, and superior light transmission. It provides 7X magnification with edge-to-edge clarity, and automatic display brightness controls ensure optimal performance in low-light conditions.

4.2 Ranging Capabilities

The device is capable of ranging trees out to 2,000 yards and game animals out to 1,500 yards, providing reliable distance measurements for various hunting and outdoor scenarios.



RANGE TREES OUT TO
2,000 YARDS



RANGE ANIMALS OUT TO
1,500 YARDS



RANGE 2,000+ YARDS WITH
SENSOR LOCATE

Figure 5: Ranging a target with the Xero L60i.

4.3 Advanced Navigation Features

- **Laser Locate™:** Drop a waypoint on objects you've ranged. The graphic display can then guide you to these locations.
- **Sensor Locate™:** Leverage GPS technology to project a waypoint even further, beyond typical rangefinder distances.
- **Visual Recall:** If you temporarily lose sight of a ranged location while moving, the visual recall feature and mapping overlay on the display can help guide you back.
- **Onboard TopoActive Mapping:** Navigate using detailed topographic maps displayed on the graphic overlay. This includes a 3-axis compass and elevation profiles of your route.



GARMIN EXPLORE™ APP

SEND WAYPOINTS TO
YOUR SMARTPHONE



USE THE APP TO PLAN
AND NAVIGATE



Figure 6: Garmin Explore App integration for mapping and navigation.

ONBOARD BALLISTICS

Access the onboard Applied Ballistics Ultralight solver with the AB Quantum app, and get the data you need to make the perfect shot. Archers also get arrow ballistics, such as max arrow height, angle-compensated range and more.



Figure 7: Navigation ecosystem with a compatible Garmin device.

4.4 Ballistics Integration

- **Onboard Applied Ballistics Calculator:** Utilize the integrated Applied Ballistics Ultralight solver with the AB Quantum app to obtain precise shooting solutions.

- **Xero Ballistics:** Get specific arrow ballistics data, including maximum arrow height and angle-compensated range, for archery applications.



ADVANCED WAYPOINTS

Leverage advanced GPS technology and onboard sensors to drop a waypoint on objects you've ranged with the Laser Locate waypoint projection feature. Project a waypoint beyond rangeable distances with the sensor locate feature. If you lose sight of an object while traveling to it, visual recall on the graphic overlay will guide you back to it.

Figure 8: Using the Xero L60i for ballistics calculations while aiming.

5. MAINTENANCE

5.1 Cleaning the Optics

To maintain optimal optical clarity:

- Gently brush away any loose dust or debris from the lenses using a soft lens brush or compressed air.
- Apply a small amount of lens cleaning solution to a microfiber lens cloth.
- Wipe the lenses in a circular motion, starting from the center and moving outwards. Avoid excessive pressure.
- Do not use abrasive cloths, paper towels, or harsh chemicals, as these can scratch or damage the lens coatings.

5.2 General Care

- Store the rangefinder in its protective carrying case when not in use.
- Avoid exposing the device to extreme temperatures or direct sunlight for prolonged periods.
- Ensure the battery compartment is securely closed to prevent moisture ingress.

6. TROUBLESHOOTING

If you encounter issues with your Garmin Xero L60i Rangefinder, consider the following general steps:

- **No Power:** Check if the batteries are correctly installed and fully charged. Replace batteries if necessary.
- **Unclear Display:** Adjust the diopter ring for your vision. Ensure lenses are clean.
- **Inaccurate Readings:** Ensure you are using the correct ranging and target modes for your environment. Make sure the laser path to the target is unobstructed.
- **Connectivity Issues:** If experiencing problems with Bluetooth or app connectivity, ensure your smartphone or compatible device is within range and Bluetooth is enabled. Restart both devices if needed.

For more detailed troubleshooting guides or persistent issues, please refer to the official Garmin support website or contact customer service.

7. SPECIFICATIONS

Feature	Specification
Model Number	010-02691-00
Product Dimensions	1.99 x 4.94 x 3.53 inches
Item Weight	12.8 ounces
Batteries	2 AAA batteries (included)
Operating System	Garmin OS
Connectivity	Bluetooth, Wireless
Human Interface Input	Buttons
Color	Black
Magnification	7X
Max Range (Trees)	2,000 yards
Max Range (Game Animals)	1,500 yards

8. WARRANTY & SUPPORT

8.1 Warranty Information

The Garmin Xero L60i Rangefinder is covered under Garmin's Lifetime Unlimited VIP Warranty. This warranty includes all electrical components, ensuring long-term reliability and support for your device.

For detailed terms and conditions of the VIP Warranty, please refer to the official Garmin website or the documentation included with your product.

8.2 Customer Support

Should you require assistance, technical support, or warranty service, please contact Garmin Customer Support through their official website or the contact information provided in your product documentation.

Online resources, including FAQs, software updates, and additional manuals, are available on the Garmin support portal.