

Leica 40811

Leica 8x42 Geovid R Rangefinder Binoculars (Model 40811) User Manual

1. INTRODUCTION

The Leica 8x42 Geovid R Rangefinder Binoculars combine high-quality optical performance with an integrated laser rangefinder. This manual provides detailed instructions for the proper setup, operation, and maintenance of your Geovid R binoculars to ensure optimal performance and longevity.

These binoculars are designed for various outdoor activities, offering clear visuals and precise distance measurements. The integrated Equivalent Horizontal Range (EHR) function assists in calculating accurate distances for angled shots.

2. COMPONENTS OVERVIEW

Familiarize yourself with the main components of your Leica Geovid R binoculars.



Figure 2.1: Front view of the Leica 8x42 GeoVID R Rangefinder Binoculars. This image shows the objective lenses, the central focusing wheel, and the two control buttons on the top housing.



Figure 2.2: Eyepiece view of the Leica 8x42 Geovid R Rangefinder Binoculars. This image highlights the adjustable eyecups and the diopter adjustment ring on the right eyepiece.

- **Objective Lenses:** The large lenses at the front of the binoculars, responsible for gathering light.
- **Eyecups:** Adjustable for comfortable viewing with or without eyeglasses.
- **Diopter Adjustment:** Located on the right eyepiece, used to compensate for differences in vision between your eyes.
- **Central Focusing Wheel:** Used to bring objects into sharp focus.
- **Rangefinder Buttons:** Two buttons on the top housing for activating and operating the laser rangefinder.
- **Hinge:** Allows adjustment of the interpupillary distance.

3. SETUP

3.1. Attaching the Carrying Strap

Thread the provided neoprene carrying strap through the strap lugs on the sides of the binoculars. Ensure it is securely fastened before use.

3.2. Inserting the Battery

The Geovid R requires one CR2 battery for the rangefinder function. Locate the battery compartment, typically on the underside or side of the main body. Unscrew the cap, insert the CR2 battery with the correct polarity, and securely replace the cap.

3.3. Adjusting Eyecups

Rotate the eyecups counter-clockwise to extend them for use without eyeglasses. Rotate clockwise to retract them for use with eyeglasses. Adjust until you see a full, clear field of view without vignetting.

3.4. Adjusting Interpupillary Distance

Hold the binoculars up to your eyes and adjust the hinge by moving the barrels closer together or further apart until you see a single, circular field of view.

3.5. Diopter Adjustment

1. Close your right eye and look through the left eyepiece at a distant object. Rotate the central focusing wheel until the object is in sharp focus.
2. Close your left eye and look through the right eyepiece. Rotate the diopter adjustment ring (on the right eyepiece) until the object is in sharp focus.
3. Your binoculars are now adjusted for your individual vision. Future focusing will only require the central focusing wheel.

4. OPERATING INSTRUCTIONS

4.1. Basic Observation

Once the binoculars are set up, simply look through the eyepieces and use the central focusing wheel to bring your desired object into sharp focus.

4.2. Using the Laser Rangefinder

The Geovid R features an integrated laser rangefinder for precise distance measurements.

1. Aim the binoculars at your target.
2. Press one of the rangefinder buttons (located on the top housing) briefly. A reticle will appear in the display.
3. Press the button again to activate the laser and measure the distance. The measured distance will be displayed in yards or meters (depending on your settings).
4. For continuous scanning, press and hold the rangefinder button. The display will continuously update the distance as you scan across different targets.

The maximum range for distance measurement is up to 2000 yards.

4.3. Equivalent Horizontal Range (EHR) Function

The EHR function provides a ballistically corrected distance for angled shots, particularly useful in mountainous or uneven terrain. This function calculates the horizontal distance to the target, which is crucial for accurate trajectory compensation.

- To activate EHR, refer to your device's specific menu settings (usually accessed by holding down a rangefinder button or through a combination of presses).
- Once activated, when you take a measurement, the display will show both the line-of-sight distance and the EHR value.
- The EHR function is accurate up to 1200 yards.

5. MAINTENANCE

5.1. Cleaning the Optics

Use a soft, lint-free cloth or a lens brush to remove dust and loose particles from the lenses. For stubborn smudges or fingerprints, use a specialized optical cleaning solution and a clean microfiber cloth. Avoid using abrasive materials or excessive pressure, which can scratch the lens coatings.

5.2. Cleaning the Housing

Wipe the exterior housing with a soft, damp cloth. Do not use harsh chemicals or solvents.

5.3. Storage

Store your binoculars in a cool, dry place, preferably in the provided Cordura case, away from direct sunlight and extreme

temperatures. Remove the battery if storing for extended periods to prevent leakage.

6. TROUBLESHOOTING

Problem	Possible Cause	Solution
Image is blurry or out of focus.	Improper focus or diopter setting.	Adjust the central focusing wheel. Re-adjust the diopter if necessary (refer to Section 3.5).
Rangefinder not displaying distance.	Low battery, incorrect target, or obstruction.	Replace the CR2 battery. Ensure the target is within the rangefinder's capabilities and not obscured.
Display is dim or not visible.	Low battery or extreme lighting conditions.	Replace the CR2 battery. Adjust display brightness settings if available (refer to device menu).
Cannot achieve a single, circular field of view.	Incorrect interpupillary distance.	Adjust the hinge until a single field of view is achieved (refer to Section 3.4).

7. SPECIFICATIONS

- **Model:** Leica 8x42 Geovid R (40811)
- **Magnification:** 8x
- **Objective Lens Diameter:** 42mm
- **Product Dimensions:** 10 x 7 x 8 inches (25.4 x 17.78 x 20.32 cm)
- **Item Weight:** 8.56 pounds (3.88 kg)
- **Laser Rangefinder Range:** Up to 2000 yards
- **EHR (Equivalent Horizontal Range) Range:** Up to 1200 yards
- **Battery Type:** CR2
- **Manufacturer:** Leica

8. WARRANTY AND SUPPORT

For detailed warranty information and customer support, please refer to the official Leica website or contact your authorized Leica dealer. Keep your proof of purchase for warranty claims.

Manufacturer: Leica

Website: www.leica-camera.com (This is a general link, specific support links may vary by region).

