Galileo G-840WA

Galileo G-840WA 8X40mm Wide-Angle Binocular Instruction Manual

1. Introduction

The Galileo G-840WA 8X40mm Wide-Angle Binocular is designed to provide clear, magnified views of distant objects. Featuring 8x magnification and 40mm objective lenses, this binocular offers a wide field of view, making it suitable for various outdoor activities. This manual provides essential information for the proper setup, operation, maintenance, and care of your binocular to ensure optimal performance and longevity.

2. Product Overview

The G-840WA binocular incorporates a Porro prism design for enhanced depth perception and fully coated optics to minimize glare and improve light transmission. Its robust construction includes water-resistant comfort grip rubber armoring for durability and secure handling. Key features include a full-range center focus mechanism, fold-down rubber eyecups, and an integrated tripod socket for stable viewing.

Figure 1: Front view of the Galileo G-840WA 8X40mm Wide-Angle Binocular, showcasing its design and central focus wheel.

Figure 2: The Galileo G-840WA 8X40mm Wide-Angle Binocular shown with its included carrying case, highlighting portability.

3. Setup

1. **Unpacking:** Carefully remove the binocular and all accessories from the packaging. Verify that the binocular, carrying case, neck strap, lens cloth, and protective eye caps are present.
2. **Attaching the Neck Strap:** Securely attach the provided neck strap to the strap lugs located on the sides of the binocular. Ensure it is firmly fastened to prevent accidental drops.
3. **Adjusting Interpupillary Distance (IPD):** Hold the binocular up to your eyes. Adjust the distance between the two barrels by moving them closer or further apart until you see a single, perfectly circular field of view. This ensures both eyes are aligned with the optical path.
4. **Adjusting Eyecups:** The G-840WA features fold-down rubber eyecups. If you wear eyeglasses, fold down the eyecups to bring your eyes closer to the ocular lenses, maximizing your field of view. If you do not wear eyeglasses, leave the eyecups in the up position for comfortable viewing.

4. Operating

1. **Focusing Procedure:**

- **Step 1 (Left Eye Focus):** Close your right eye. Look through the left eyepiece at a distant object. Rotate the central focus wheel until the image in your left eye is sharp and clear.
- **Step 2 (Right Eye Diopter Adjustment):** Close your left eye. Look through the right eyepiece at the same distant object. Rotate the diopter adjustment ring (typically located on the right eyepiece) until the image in your right eye is sharp and clear.
- **Step 3 (General Focusing):** With both eyes open, your binocular is now adjusted for your vision. For subsequent focusing on objects at different distances, use only the central focus wheel.

2. **Wide-Angle Viewing:** The wide-angle design provides an expansive field of view (430' at 1000yds), which is particularly beneficial for observing fast-moving subjects or scanning broad landscapes without constantly repositioning the binocular.
3. **Tripod Mounting:** For extended viewing sessions or to achieve maximum stability, the binocular can be mounted on a standard photographic tripod. Locate the binocular tripod socket, usually covered by a cap, at the front of the central hinge. A tripod adapter (sold separately) may be required to connect the binocular to your tripod.

5. Maintenance

- **Cleaning Lenses:** Use the provided lens cloth or a soft, lint-free optical cleaning cloth to gently wipe the lenses. For stubborn smudges or dirt, apply a small amount of lens cleaning fluid specifically designed for optics onto the cloth, then gently wipe the lens surface. Never apply cleaning fluid directly to the lenses.
- **Cleaning Body:** Wipe the rubber armoring and body of the binocular with a soft, damp cloth. Avoid using abrasive cleaners, solvents, or harsh chemicals, as these can damage the finish and rubber coating.
- **Storage:** When not in use, store the binocular in its protective carrying case in a cool, dry, and dust-free environment. Ensure the protective eye caps are in place to prevent dust accumulation and scratches on the lenses.
- **Water Resistance:** The G-840WA features water-resistant construction, offering protection against light splashes and moisture. However, it is not designed for submersion in water. Avoid prolonged exposure to heavy rain or direct water spray.

6. Troubleshooting

- **Blurred Image:** If the image appears blurry, ensure you have followed the complete focusing procedure, including the diopter adjustment for your right eye. Check the lenses for any smudges, dirt, or condensation.
- **Double Image:** A double image typically indicates incorrect interpupillary distance (IPD). Adjust the distance between the binocular barrels until you perceive a single, unified circular field of view.
- **Difficulty Focusing:** If the central focus wheel or diopter adjustment ring feels stiff or does not move smoothly, do not force it. Ensure no debris is obstructing the mechanism. If the issue persists, contact customer support.

7. Specifications

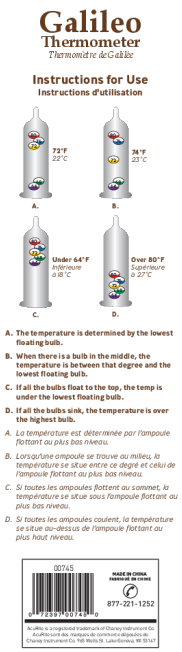
Feature	Specification
Magnification	8x

Feature	Specification
Objective Lens Diameter	40mm
Optical Design	Porro Prism
Optics Coating	Fully Coated
Linear Field of View	430' at 1000yds
Angular Field of View	8.2°
Minimum Focus Distance	12'
Exit Pupil Size	5mm
Eye Relief	Approx. 12mm - 14mm
Interpupillary Distance (IPD)	57mm to 73mm
Relative Brightness Index (RBI)	25
Twilight Factor	17.89
Special Features	Wide Angle Design, Water Resistant, Comfort Grip Rubber Armoring, Full Range Center Focus, Fold Down Rubber Eye Guards, Binocular Tripod Socket
Weight	2.14 pounds
Model Number	G-840WA

8. Warranty and Support

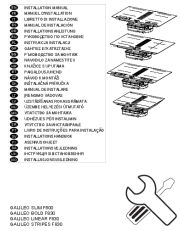
The Galileo G-840WA 8X40mm Wide-Angle Binocular is backed by a Limited Lifetime Warranty. For detailed information regarding warranty coverage, claims, or technical assistance, please refer to the warranty card included with your purchase or visit the official Galileo website. You may also find support resources through the Galileo and Cassini Optics Store.

Related Documents - G-840WA



[Galileo Thermometer Instructions for Use]

Instructions on how to read a Galileo thermometer, explaining the relationship between floating bulbs and temperature. Includes English and French text.



[Galileo Hob Extractor Installation Manual]

This document provides installation instructions for Galileo hob extractors, including models SLIM F600, BOLD F830, LINEAR F830, and STRIPES F830. It covers safety precautions, parts identification, assembly steps, dimensions, and electrical connections.

[GNSS Raw Measurements on Android Devices: IPIN 2018 Tutorial]

Explore how to use GNSS raw measurements on Android devices with this tutorial from IPIN 2018. Learn about Galileo, GPS, and advanced positioning techniques for developers and researchers.

[VIVALUX Galileo Series Ceiling Light Fixture Assembly Instructions]

Detailed assembly and safety instructions for the VIVALUX Galileo series ceiling light fixtures, including models CL780-3R, SSP781-9L, SSP782-9H, SSP783-6H, and SSP784-6R. Ensure proper installation by a qualified electrician.

[OTTO A306 Traffic Recorder: User Manual and Features]

Comprehensive user manual for the OTTO A306 traffic recorder (dashcam), detailing product features, button functions, special functions like G-Sensor and parking monitoring, installation guide, app connection, and troubleshooting.

	[Sony FE 20mm F1.8 G Lens Operating Instructions] Operating instructions for the Sony FE 20mm F1.8 G (SEL20F18G) E-mount interchangeable lens, covering attachment, focusing, exposure, specifications, and precautions.