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Bushnell 141042

Bushnell 10x42 Powerview Roof Prism Binocular User Manual

Comprehensive guide for optimal use and care of your Bushnell binoculars.

1. Introduction

Thank you for choosing the Bushnell 10x42 Powerview Roof Prism Binoculars. This manual provides detailed instructions for setting up, operating, and maintaining your binoculars to ensure years of reliable performance. These binoculars are designed for superior light transmission and high-magnification viewing, ideal for various outdoor activities.

2. Product Overview

2.1 Key Features

- **Magnification:** 10x for powerful long-range observation.
- **Objective Lens:** 42mm diameter for excellent light gathering.
- **Optics:** Multi-coated optics for superior light transmission and clarity.
- **Prism System:** BaK-7 roof prisms for a slim, streamlined, and durable design.
- **Armor:** Non-slip rubber armor absorbs shock and provides a secure grip.
- **Focus System:** Central focus knob for easy and precise adjustments.
- **Eyecups:** Twist-up eyecups for comfortable viewing with or without eyeglasses.
- **Tripod Adaptable:** Features a base for tripod mounting (tripod adapter sold separately).
- **Field of View:** 288 feet at 1000 yards (87 meters at 1000 meters).

2.2 Components

Your Bushnell 10x42 Powerview Binoculars package includes the following items:

- Bushnell 10x42 Powerview Binoculars
- Objective Lens Caps
- Eyepiece Rain Guard
- Neck Strap/Lanyard
- Soft Carrying Case
- Lens Cleaning Cloth



Figure 2.1: Bushnell 10x42 Powerview Roof Prism Binocular.



Figure 2.2: Binocular with included soft carrying case and neck strap.

3. Setup

3.1 Unpacking

Carefully remove all components from the packaging. Inspect the binoculars and accessories for any signs of damage. Retain the packaging for future storage or transport.

3.2 Adjusting Eyecups

The binoculars feature twist-up eyecups for comfortable viewing. If you do not wear eyeglasses, twist the eyecups counter-clockwise until they are fully extended. If you wear eyeglasses, twist the eyecups clockwise until they are fully retracted to allow your eyes to be closer to the ocular lenses.



Figure 3.1: Eyecups in extended position.

3.3 Adjusting Interpupillary Distance (IPD)

The interpupillary distance is the distance between the centers of your pupils. To adjust the IPD, hold the binoculars with both hands and look through them. Move the two halves of the binoculars closer together or further apart until you see a single, clear circular field of view. This adjustment ensures both eyes are properly aligned with the optical path.

3.4 Focusing

To achieve a sharp image, follow these steps:

1. First, close your right eye and look through the left objective lens. Rotate the central focus knob until the image is sharp and clear.
2. Next, close your left eye and look through the right objective lens. Rotate the diopter adjustment ring (located on the right eyepiece) until the image is sharp and clear.
3. Now, with both eyes open, the binoculars are adjusted for your individual vision. For subsequent viewing, simply use the central focus knob to focus on objects at varying distances.



Figure 3.2: Front view of binoculars highlighting the central focus knob.

4. Operating Instructions

4.1 General Use

Hold the binoculars steady and bring them to your eyes. Use the central focus knob to bring your desired subject into sharp focus. The 10x magnification is suitable for a wide range of activities, including bird watching, sporting events, concerts, and general outdoor observation.



Figure 4.1: Examples of binocular usage.

4.2 Attaching the Lanyard

Thread the provided lanyard through the strap lugs located on the sides of the binocular body. Secure the lanyard firmly to prevent accidental drops. The lanyard allows for convenient carrying around your neck or wrist.

4.3 Using the Carrying Case

When not in use, store your binoculars in the provided soft carrying case. This protects the binoculars from dust, scratches, and minor impacts. The case features a shoulder strap for easy transport.

5. Maintenance and Care

- **Lens Cleaning:** Use only the provided lens cleaning cloth or a soft, lint-free cloth. Breathe lightly on the lenses to create moisture, then gently wipe. For stubborn dirt, use a small amount of lens cleaning fluid applied to the cloth, not directly to the lens.
- **Storage:** Store binoculars in a cool, dry place when not in use. Avoid extreme temperatures and high humidity. Always use the lens caps and eyepiece rain guard to protect the optical surfaces.

- **Handling:** Avoid dropping the binoculars or subjecting them to severe impacts, as this can misalign the optics.
- **Water Exposure:** While the rubber armor provides some protection, these binoculars are not fully waterproof. Avoid prolonged exposure to heavy rain or submersion in water.

6. Troubleshooting

Problem	Possible Cause	Solution
Blurred image	Improper focus or IPD adjustment.	Re-adjust central focus knob and diopter. Ensure IPD is correctly set for a single circular field of view.
Double image	Incorrect interpupillary distance (IPD).	Adjust the two halves of the binoculars until a single circular field of view is observed.
Dark or dim image	Low light conditions or dirty lenses.	Ensure objective lens caps are removed. Clean lenses with the provided cloth. Use in adequate lighting.
Difficulty with eyeglasses	Eyecups not properly retracted.	Twist eyecups fully clockwise until retracted for comfortable viewing with eyeglasses.

7. Specifications

Feature	Detail
Magnification	10x
Objective Lens Diameter	42 mm
Close Focus	23 feet / 7 meters
Field of View (at 1000 yards/meters)	288 feet / 87 meters
Eye Relief	17.5 mm
Exit Pupil	4.2 mm
Prism Type	Roof Prism (BaK-7)
Weight	21.1 ounces / 685 grams
Model Number	141042

8. Warranty and Support

8.1 Limited Lifetime Warranty

Bushnell Powerview Binoculars carry a limited lifetime warranty against defects in materials and workmanship for the original owner. This warranty covers the product for its useful lifetime. For full warranty details and terms, please refer to the official Bushnell website or contact customer support.

8.2 Customer Support

For technical assistance, warranty claims, or general inquiries, please visit the official Bushnell website or contact their customer service department. Contact information can typically be found on the product packaging or the Bushnell website.

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