Bushnell 134211

Bushnell H2O Waterproof/Fogproof Porro Prism Binocular 10x42mm Instruction Manual

Introduction

This manual provides comprehensive instructions for the proper setup, operation, and maintenance of your Bushnell H2O Waterproof/Fogproof Porro Prism Binocular 10x42mm. Please read this manual thoroughly before using your binoculars to ensure optimal performance and longevity. This product is designed for clear, reliable viewing in various outdoor conditions.



Image: The Bushnell H2O Waterproof/Fogproof Porro Prism Binocular 10x42mm, showcasing its robust design and objective lenses.

Product Features

- **Porro Prism Optical Design:** Provides a wide field of view and enhanced depth perception.
- **Textured Grip:** Ensures secure and comfortable handling.
- **Waterproof and Fogproof Construction:** Designed for reliable performance in challenging weather conditions.
- **BaK-4 Prisms:** Delivers bright, clear, and crisp images.

- **O-ring Sealed and Nitrogen Purged:** Guarantees 100% waterproof and fog-free operation.
- **Multi-Coated Optics:** Enhances light transmission for brighter, higher-contrast images.
- **Non-slip Rubber Armor:** Absorbs shock and provides a firm, protective grip.
- **10x Magnification and 42mm Objective Diameter:** Offers powerful viewing capabilities.
- **15-foot Close Focus Distance:** Allows for detailed observation of nearby subjects.
- **16mm Eye Relief:** Provides comfortable viewing, especially for eyeglass wearers.
- **Large Center-Focus Knob:** Facilitates quick and precise focusing adjustments.
- **Twist-Up Eyecups:** Adjustable for comfortable viewing with or without eyeglasses.

Setup

1. Adjusting Eyecups

Your Bushnell H2O binoculars feature twist-up eyecups for comfortable viewing. If you do not wear eyeglasses, twist the eyecups counter-clockwise until they are fully extended. This positions your eyes at the optimal distance from the ocular lenses. If you wear eyeglasses, twist the eyecups clockwise until they are fully retracted. This allows your eyes to be closer to the lenses, providing a full field of view.

2. Interpupillary Distance Adjustment

The interpupillary distance (the distance between the centers of your pupils) varies from person to person. To achieve a single, clear circular field of view, hold the binoculars firmly and adjust the distance between the two barrels by moving them closer together or further apart. You will know the distance is correct when you see a single, unified image without any dark edges or shadows.

3. Focusing

1. First, close your right eye and look through the left barrel with your left eye. Rotate the center focus knob until the image is sharp and clear.
2. Next, close your left eye and look through the right barrel with your right eye. 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 to your vision. For subsequent focusing on objects at different distances, use only the center focus knob.

Operating

General Usage

Once the binoculars are properly set up for your eyes, hold them steady and bring them up to your eyes. Use the center focus knob to bring your desired subject into sharp focus. For extended viewing, consider using a tripod adapter (sold separately) to reduce hand shake and provide a more stable image, especially with 10x magnification.

Maintenance

Cleaning

To clean the lenses, use a soft, lint-free cloth specifically designed for optical lenses. Gently wipe the lens surface. For stubborn dirt or smudges, apply a small amount of optical lens cleaning fluid to the cloth, not directly to the lens, and then wipe. Avoid using abrasive cloths, facial tissues, or paper towels, as these can

scratch the lens coatings. Clean the body of the binoculars with a soft, damp cloth.

Storage

Store your binoculars in a cool, dry place when not in use. It is recommended to keep them in their protective case to prevent dust accumulation and accidental damage. Avoid storing them in direct sunlight or in areas with extreme temperature fluctuations, as this can affect the internal components and coatings.

Troubleshooting

- **Blurry Image:** Ensure both the center focus knob and the diopter adjustment are correctly set for your eyes. Re-perform the focusing steps outlined in the 'Setup' section.
- **Double Image or Dark Edges:** Adjust the interpupillary distance by moving the barrels closer or further apart until a single, circular field of view is achieved.
- **External Fogging:** While the binoculars are internally fogproof, external condensation can occur in humid or rapidly changing temperature conditions. Allow the binoculars to acclimate to the ambient temperature or gently wipe the exterior lenses with a clean, dry cloth.
- **Difficulty Adjusting Focus:** Check for any obstructions around the focus knob or diopter ring. If the mechanism feels stiff, avoid forcing it. Contact customer support if the issue persists.

Specifications

Feature	Detail
Brand Name	Bushnell
Model Name	134211
Style	Black, 10x42mm
Magnification	10x
Objective Lens Diameter	42mm
Eye Relief	16mm
Close Focus Distance	15 feet
Item Weight	765 Grams
Item Dimensions (LxWxH)	8.63 x 8.13 x 3.38 inches
Material	Blend (Rubber Armor)
Special Feature	Waterproof, Fogproof
Country of Origin	China
Suggested Users	Unisex-adult
Included Components	Binoculars

Warranty and Support

Warranty Information

This Bushnell H2O binocular is covered by a Limited Lifetime Warranty. This warranty protects against defects in materials and workmanship for the lifetime of the product. For specific details regarding warranty coverage, claims, and limitations, please refer to the official Bushnell website or contact their customer service.

Customer Support

For technical assistance, warranty service, or any questions regarding your Bushnell H2O binoculars, please visit the official Bushnell website or contact their customer support department. Contact information can typically be found on the manufacturer's website or in the product packaging.