

Suncore A001-1

Suncore 10x42 Professional HD Binoculars Instruction Manual

Model: A001-1

1. INTRODUCTION

Thank you for choosing the Suncore 10x42 Professional HD Binoculars. These binoculars are engineered for superior optical performance, featuring 10x magnification and a 42mm objective lens diameter, providing a clear and broad view. Equipped with BAK4 prisms and FMC (Fully Multi-Coated) lenses, they ensure high light transmission and minimal distortion for bright, high-contrast images. The robust, waterproof, fogproof, and shockproof design makes them ideal for various outdoor activities, including bird watching, stargazing, travel, concerts, and sports events.

2. PRODUCT COMPONENTS AND FEATURES

Familiarize yourself with the key components of your Suncore 10x42 binoculars:

- **Objective Lenses:** 42mm diameter for excellent light gathering.
- **Eyepieces:** 22mm large eyepieces for a comfortable and wide field of view.
- **Focus Knob:** Central knob for adjusting focus.
- **Diopter Adjustment Ring:** Located on the right eyepiece for fine-tuning focus to individual eye strength.
- **Twist-Up Eyecups:** Adjustable for use with or without eyeglasses.
- **BAK4 Prisms:** High-quality prisms for bright, clear, and sharp images.
- **FMC Lenses:** Fully Multi-Coated optics to enhance light transmission and reduce glare.
- **Tripod Adapter Socket:** For mounting on a tripod (adapter sold separately).
- **Non-slip Rubber Armor:** Provides a secure grip and shock protection.



Figure 2.1: External Components of Suncore 10x42 Binoculars



Figure 2.2: Internal Optical Structure

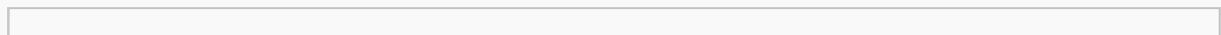


Figure 2.3: Clarity with BAK4 Prism



Figure 2.4: 22mm Large Eyepiece Advantage

3. SETUP AND INITIAL ADJUSTMENT

Follow these steps for initial setup and to achieve a clear view:

1. **Adjust Eyecups:** If you wear eyeglasses, twist down the eyecups. If you do not wear eyeglasses, twist them up to the desired position for comfortable viewing.
2. **Adjust Interpupillary Distance:** Hold the binoculars with both hands and bend the body until you see a single circular field of view. This adjusts the distance between the eyepieces to match the distance between your eyes.
3. **Attach Neck Strap:** Securely attach the provided neck strap to the strap attachments on the binoculars.

4. OPERATING INSTRUCTIONS

To focus your Suncore 10x42 binoculars:

1. **Step 1: Adjust Eyecups and Interpupillary Distance.** Ensure the binoculars are adjusted to the correct position according to your eyes (as described in Section 3).
2. **Step 2: Focus Left Eye.** Close your right eye and sight an object with your left eye. Rotate the central focus knob until the image is sharp and clear.
3. **Step 3: Focus Right Eye (Diopter Adjustment).** Open your right eye and close your left eye. Rotate the right eyepiece focus ring until the object image is sharp and clear. Once set, you will only need to use the central focus knob for subsequent focusing.

Easy to Use and Focus



Figure 4.1: Easy Focusing Steps

5. MAINTENANCE AND CARE

Proper care will ensure the longevity and performance of your binoculars:

- **Cleaning Lenses:** Use the provided cleaning cloth or a soft, lint-free cloth. For stubborn dirt, use a lens cleaning solution specifically designed for optics. Apply a small amount to the cloth, not directly to the lens.
- **Cleaning Body:** Wipe the rubber armor with a soft, damp cloth. Avoid harsh chemicals.
- **Storage:** Store binoculars in a cool, dry place, preferably in the carrying bag, to protect them from dust and moisture. Avoid extreme temperatures.
- **Waterproof/Fogproof:** While the binoculars are waterproof and fogproof, avoid prolonged submersion in water. Ensure lens caps are on when not in use in wet conditions.
- **Avoid Direct Sunlight:** Never look directly at the sun through the binoculars, as this can cause severe eye damage.

6. TROUBLESHOOTING

If you encounter issues with your binoculars, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Image is blurry or out of focus.	Improper focusing or diopter setting.	Re-adjust focus using the central focus knob and diopter ring as per Section 4.
Double image or two overlapping circles.	Interpupillary distance is incorrect.	Adjust the hinge of the binoculars until a single, circular field of view is achieved.
Dark edges or vignetting in the view.	Eyecups not correctly adjusted.	Twist eyecups up or down until the full field of view is visible.
Dust or smudges on lenses.	Lenses require cleaning.	Clean lenses gently with a soft, lint-free cloth as per Section 5.

Problem	Possible Cause	Solution
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7. SPECIFICATIONS

Feature	Specification
Brand	Suncore
Model Number	A001-1
Magnification	10x
Objective Lens Diameter	42 mm
Eyepiece Diameter	22 mm
Prism Type	BAK4 Porro Prism
Lens Coating	Fully Multi-Coated (FMC)
Focus Type	Center Focus
Water Resistance Level	Waterproof
Special Features	Lightweight, Portable, Waterproof, Fogproof, Shockproof
Material	Rubber (Enclosure)
Item Weight	1.18 Pounds

8. INCLUDED ACCESSORIES

Your Suncore 10x42 Binoculars package includes the following items:

- Suncore 10x42 Binoculars
- Carrying Bag
- Neck Strap
- Eyepiece Covers
- Objective Lens Covers
- Cleaning Cloth
- Instruction Manual (this document)

Stargazing	Travel	Wildlife	Sports	Concert
				

VERSATILE BINOCULARS - REDISCOVER THE BEAUTY OF THE WORLD



Figure 8.1: Complete Accessories

9. WARRANTY AND SUPPORT

For warranty information or technical support, please refer to the contact details provided with your purchase documentation or visit the official Suncore website. Keep your purchase receipt as proof of purchase for any warranty claims.