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> Usogood 12x50 Binoculars Model AT66 Instruction Manual

usogood AT66

Usogood 12x50 Binoculars Model AT66 Instruction Manual

Your guide to setting up, operating, and maintaining your Usogood binoculars.

1. PRODUCT OVERVIEW

The Usogood 12x50 Binoculars Model AT66 are designed for outdoor enthusiasts, offering a powerful 12x magnification and a large 50mm objective lens for bright and clear viewing. These binoculars are suitable for various activities including birdwatching, hiking, travel, and observing sporting events or concerts. They feature a robust, waterproof, and fogproof design for reliable performance in diverse conditions.



Image 1.1: Usogood 12x50 Binoculars, Model AT66. This image shows the overall design of the binoculars.

Key Features:

- **High Magnification:** 12x magnification brings distant objects into clear view.
- **Large Objective Lens:** 50mm objective lenses gather ample light for bright images.
- **Superior Optics:** Equipped with FMC (Fully Multi-Coated) lenses and BaK-4 prisms for high light transmission and clear, sharp images.
- **Waterproof and Fogproof:** Designed to withstand various weather conditions.
- **Adjustable Eyecups:** Twist-up eyecups accommodate users with or without eyeglasses.
- **Included Accessories:** Comes with a smartphone adapter and a tripod for stable viewing and photography.

2. PACKAGE CONTENTS

Upon opening the package, ensure all the following items are present:

- 1x Usogood 12x50 Binoculars
- 1x Smartphone Adapter
- 1x Tripod

- 1x Carrying Bag with Strap
- 1x Eyepiece and Objective Lens Covers
- 1x Cleaning Cloth
- 1x Neck Strap
- 1x User Manual (this document)

3. SETUP AND INITIAL USE

3.1 Attaching the Neck Strap

Thread the provided neck strap through the strap lugs on the sides of the binoculars. Ensure it is securely fastened to prevent accidental drops.

3.2 Adjusting Interpupillary Distance

Hold the binoculars with both hands and look through them. Adjust the distance between the two barrels by moving them closer or further apart until you see a single, clear circular field of view. This ensures proper alignment with your eyes.

3.3 Adjusting Eyecups for Eye Relief

The binoculars feature twist-up eyecups to provide optimal eye relief for all users.

- **For non-eyeglass wearers:** Twist the eyecups counter-clockwise until they are fully extended.
- **For eyeglass wearers:** Twist the eyecups clockwise until they are fully retracted. This allows your eyeglasses to be closer to the eyepiece lenses, providing a full field of view.

18mm Large Eyepieces More Details & Brighter View



Image 3.1: Illustration of large eyepieces providing a clear view. The image highlights the 18mm eyepieces and compares the Usogood view to smaller eyepieces with blurred or partial views.

3.4 Focusing the Binoculars

The Usogood 12x50 binoculars use a central focus wheel and a right eyepiece diopter adjustment for precise focusing.

1. Close your right eye or cover the right objective lens.
2. Look through the binoculars with your left eye at a distant object.
3. Rotate the central focus wheel until the image in the left eyepiece is sharp and clear.
4. Open your right eye and close your left eye, or cover the left objective lens.
5. Look through the binoculars with your right eye at the same distant object.
6. Rotate the right eyepiece diopter ring (located on the right eyepiece) until the image is sharp and clear.
7. Now, both eyepieces are adjusted to your vision. For future viewing, simply use the central focus wheel to focus on objects at varying distances.

3.5 Attaching the Smartphone Adapter and Tripod

The included smartphone adapter and tripod allow for stable viewing and photography.

1. **Attach the smartphone adapter:** Secure your smartphone into the adapter. Align the phone's camera lens with one of the binocular eyepieces.
2. **Attach the tripod:** Screw the binoculars onto the tripod using the standard 1/4"-20 threaded interface located on the front hinge of the binoculars (often covered by a cap).
3. **Mount the phone adapter to the binoculars:** If using the phone adapter with the tripod, ensure the phone adapter is securely attached to the eyepiece before mounting the binoculars on the tripod for stability.



Image 3.2: Usogood binoculars mounted on a tripod with a smartphone attached via an adapter. This image demonstrates the setup for stable photography, highlighting the sturdy metal screw lock and non-slip foot pads of the tripod.

4. OPERATING THE BINOCULARS

4.1 General Observation

Once adjusted, simply bring the binoculars to your eyes and use the central focus wheel to achieve a sharp image of your desired subject. The 12x magnification and 50mm objective lenses provide a wide and bright field of view, ideal for observing wildlife, landscapes, or distant events.

Wide Field of View from Thousand Miles

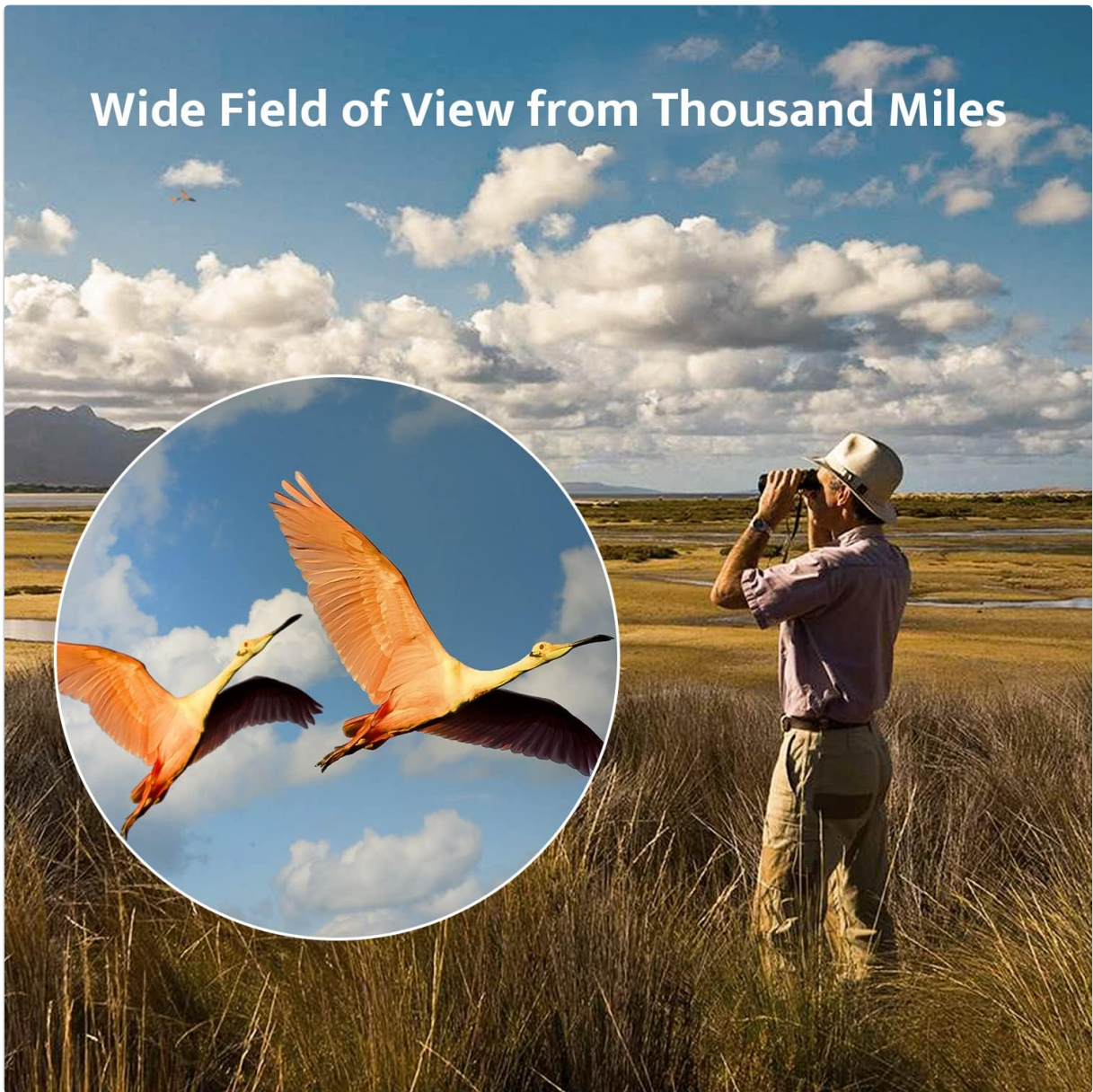


Image 4.1: A person using Usogood binoculars to observe a wide field of view, with a magnified inset showing two birds in flight. This illustrates the wide field of view capability.

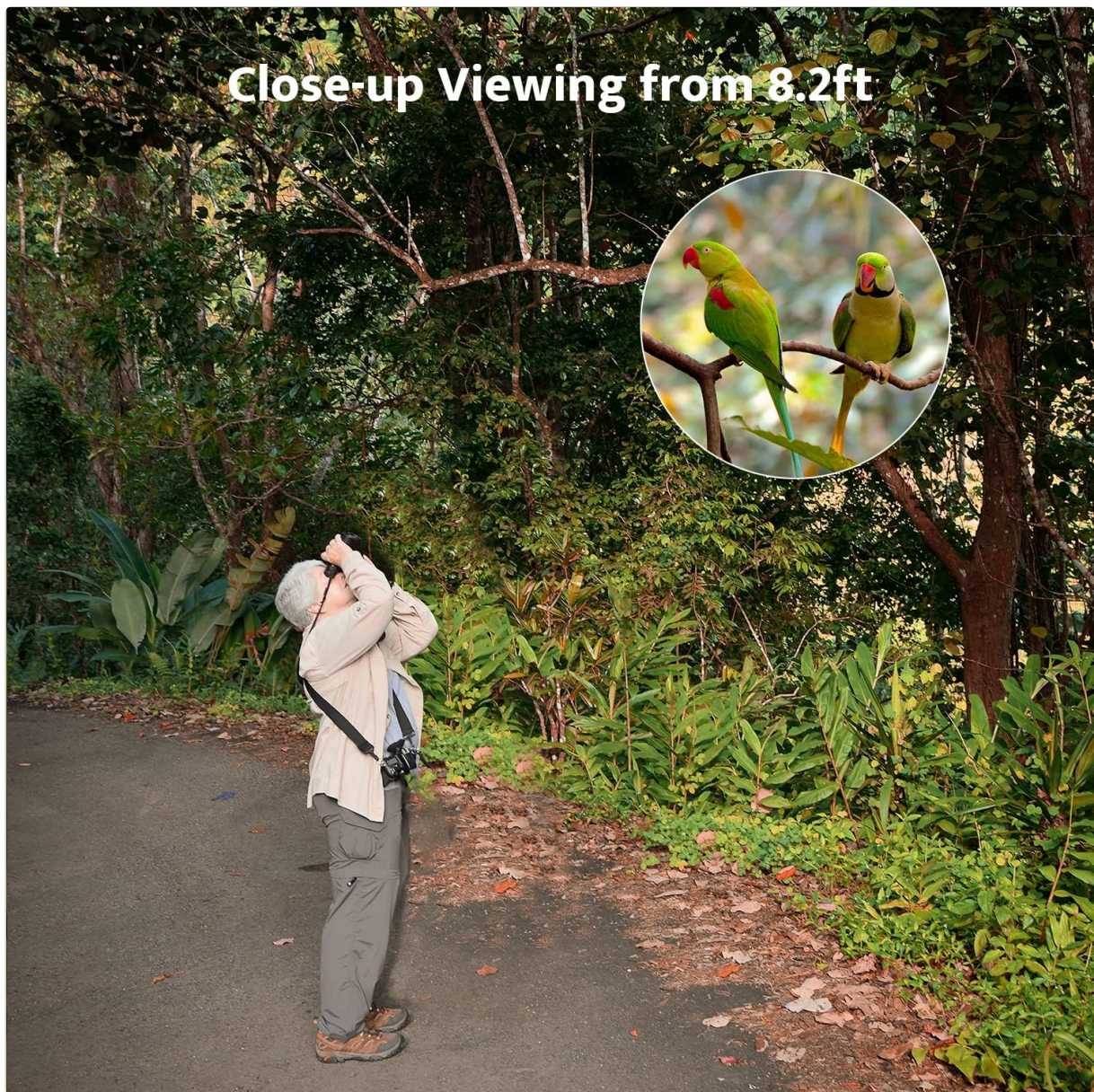


Image 4.2: A person using Usogood binoculars for close-up viewing of birds in a forest setting. The inset shows a magnified view of two parrots, demonstrating the close focus capability.

4.2 Low Light Performance

These binoculars are designed to perform well in low-light conditions, such as dawn or dusk, due to their large objective lenses and high light transmission. However, they are not suitable for use in complete darkness.

4.3 Using with Smartphone for Photography/Videography

With the smartphone adapter and tripod, you can capture photos and videos through your binoculars. Ensure your phone's camera is properly aligned with the binocular eyepiece for the best results. Use your phone's camera app to zoom and focus as needed.

4.4 Water Resistance

The binoculars are waterproof and fogproof, offering protection against light rain and humid conditions. However, they are not designed for prolonged immersion in water or use under heavy rainfall. Avoid submerging the binoculars.

5. MAINTENANCE AND CARE

5.1 Cleaning the Lenses

Use the provided cleaning cloth or a soft, lint-free cloth specifically designed for optical lenses. Gently wipe the lens surfaces to remove dust and smudges. For stubborn dirt, a small amount of lens cleaning fluid can be applied to the cloth, not directly to the lens.

Caution:

- Do not use abrasive cloths, paper towels, or facial tissues, as these can scratch the lens coatings.
- Avoid touching the lens surfaces with your fingers.

5.2 Cleaning the Body

Wipe the rubber armor and body of the binoculars with a soft, damp cloth. Avoid using harsh chemicals or solvents, as these may damage the finish.

5.3 Storage

When not in use, store the binoculars in their carrying bag in a cool, dry place. Avoid exposing them to extreme temperatures or high humidity for extended periods. Ensure lens caps are in place to protect the optics from dust and scratches.



Image 5.1: A collage showing the compact size and portability of the binoculars, including being held, worn with a strap, placed in a pocket, and stored in its carrying case.

6. TROUBLESHOOTING

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

- **Blurry Image:**
 - Ensure the central focus wheel is adjusted correctly for the object's distance.
 - Verify the right eyepiece diopter is set for your individual vision (refer to Section 3.4).
 - Check if the objective or eyepiece lenses are dirty and clean them if necessary (refer to Section 5.1).
- **Double Image or Partial View:**
 - Adjust the interpupillary distance until you see a single, circular field of view (refer to Section 3.2).
 - Ensure eyecups are correctly positioned for your use (extended for non-eyeglass wearers, retracted for eyeglass wearers).
- **Difficulty Attaching Smartphone Adapter:**
 - Ensure your phone is securely seated in the adapter clamps.
 - Carefully align your phone's camera lens with the binocular eyepiece.
- **Fogging Lenses:**
 - While the binoculars are fogproof, rapid temperature changes can sometimes cause temporary external condensation. Allow the binoculars to accustom to the new temperature.
 - If internal fogging occurs, contact customer support.

If these steps do not resolve the issue, please contact Usogood customer support for further assistance.

7. SPECIFICATIONS

Feature	Specification
Model Number	AT66
Magnification	12x
Objective Lens Diameter	50 mm
Eyepiece Type	Twist-up
Focus System	Central Focus Wheel, Right Eyepiece Diopter
Field of View	102m/1000m (approx. 335 ft/1000 yds)
Angle of Field	5.6° (Apparent Angle: 5.4°)
Eye Relief	15.5 mm (approx. 0.61 inches)
Prism Type	BaK-4
Lens Coating	Fully Multi-Coated (FMC)
Water Resistance	Waterproof (resists light water, not immersion)

Feature	Specification
Fogproof	Yes
Weight	439 g (approx. 0.97 lbs)
Interpupillary Distance	55-75 mm
Close Focus Distance	8.2 ft (approx. 2.5 meters)
Tripod Mount	Standard 1/4"-20 Thread
Material	Rubber Armor

Note: Specifications are subject to change without notice. Minor variations may occur.

8. WARRANTY AND SUPPORT

Usogood provides a two-year warranty for this product. For any technical assistance or warranty claims, please contact Usogood customer support. Our technical support team is available 24/7 to assist you. Please retain your proof of purchase for warranty purposes.