

USCAMEL 10x50 Marine Binoculars

USCAMEL 10x50 Marine Binoculars User Manual

Model: 10x50 Marine Binoculars

1. INTRODUCTION

Thank you for choosing the USCAMEL 10x50 Marine Binoculars. This manual provides detailed instructions for the proper use, setup, operation, and maintenance of your binoculars. Please read this manual thoroughly before using the product to ensure optimal performance and longevity.

These binoculars are designed for a wide range of outdoor activities, including marine navigation, bird watching, hunting, hiking, and general observation, offering clear and bright images even in challenging conditions.

2. PRODUCT OVERVIEW

2.1 Key Features

- **Magnification & Objective Lens:** 10x magnification with a large 50mm objective lens for bright, detailed views.
- **Wide Field of View:** Offers a field of view of 396 feet at 1000 yards.
- **High-Quality Optics:** Features BAK4 Porro Prisms for excellent light transmission and brightness, and FMC (Fully Multi-Coated) Green Film Lenses for reduced reflection, improved light transmission, and sharp images.
- **Waterproof & Fogproof:** Nitrogen-filled and O-ring sealed for complete waterproof and fogproof performance. Designed to float if dropped in water.
- **Integrated Rangefinder & Compass:** Built-in illuminated compass for direction location and an internal rangefinder reticle for calculating object distance and size.
- **Adjustable Eyecups & Diopter:** Foldable eyecups for comfortable viewing with or without glasses, and ± 5 diopter adjustment for individual eye focusing.
- **Accessories Included:** Comes with a carrying bag, neck strap, and tripod adapter for enhanced usability.

and portability.

2.2 Components Diagram



This diagram illustrates the main components of the binoculars, including the compass illuminator window, eyepiece, rubber foldable eyecups, left & right focusing rings, objective lens, battery compartment, tripod interface, non-slip stripes, and objective lens cover.



- ❶ Packing Box
- ❷ Binoculars
- ❸ Carrying Bag
- ❹ Eyepiece cover
- ❺ Objective lens cover
- ❻ Tripod mounting adapter
- ❼ Lens Cloth
- ❽ Instruction Manual
- ❾ Neck Strap

The package includes: 1. Packing Box, 2. Binoculars, 3. Carrying Bag, 4. Eyepiece cover, 5. Objective lens cover, 6. Tripod mounting adapter, 7. Lens Cloth, 8. Instruction Manual, 9. Neck Strap.

3. SETUP

3.1 Adjusting Interpupillary Distance (IPD)

Hold the binoculars with both hands and look through them. Bend the binoculars at the hinge until you see a single, clear circular field of view. This adjusts the distance between the eyepieces to match the distance between your pupils.

3.2 Focusing the Binoculars

1. **Eyecup Adjustment:** If you wear glasses, fold down the rubber eyecups. If you do not wear glasses, keep them extended.
2. **Diopter Adjustment:** Look through the binoculars at a distant object. Cover the right objective lens (front lens) with your hand. Rotate the central focusing ring until the image in the left eyepiece is sharp and clear.

3. **Fine Focusing:** Now, cover the left objective lens. Rotate the right diopter ring (located on the right eyepiece) until the image in the right eyepiece is sharp and clear.
4. **General Focusing:** From now on, you will only need to use the central focusing ring to focus on objects at varying distances.

3.3 Compass Battery Installation

The illuminated compass requires batteries (LR936/AG9, included). Locate the battery compartment, typically near the compass illuminator window. Insert the batteries with the correct polarity as indicated. This powers the internal illumination for the compass and reticle.

3.4 Attaching the Neck Strap and Tripod Adapter

- **Neck Strap:** Thread the provided neck strap through the strap lugs on the sides of the binoculars. Adjust the length for comfortable carrying.
- **Tripod Adapter:** For extended viewing or increased stability, attach the binoculars to a tripod using the included tripod adapter. Screw the adapter into the tripod interface on the front hinge of the binoculars, then mount it onto a standard photographic tripod.

More comfortable to use with accessories



The binoculars come with a tripod adapter and a neck strap for comfortable use and stability.

4. OPERATING INSTRUCTIONS

4.1 Using the Rangefinder Reticle

The internal rangefinder reticle is located in the left eyepiece. It allows you to estimate the distance to an object or its size if the distance is known. The reticle consists of horizontal and vertical scales. To use it:

1. Align the object with the reticle.
2. Use the provided formula or chart (often found in the full instruction manual or online resources) to calculate distance or size based on the object's height/width on the reticle.

4.2 Using the Illuminated Compass

The built-in compass provides directional orientation. To activate the illumination for the compass and reticle, press the illuminator switch located near the compass housing. This is particularly useful in low light conditions to clearly see the compass readings and the reticle.

IPX7 Waterproof Binoculars

Dry nitrogen filled and O-ring sealed for waterproof protection to prevent dust, fogging and moisture damage in all weather conditions.



The compass and reticle can be illuminated for clear readings in both daylight and low light environments.

4.3 General Viewing Tips

- Hold the binoculars steady for the best viewing experience. Using a tripod is recommended for prolonged observation.
- Always use the central focusing wheel for quick adjustments to maintain a sharp image.
- Protect the lenses from direct sunlight, as concentrated light can damage your eyes or the binoculars.

5. MAINTENANCE

5.1 Cleaning the Lenses

The lenses of your binoculars have delicate coatings that can be easily damaged. Follow these steps for cleaning:

1. Brush off any dust or loose debris from the lenses using a soft lens brush or compressed air.
2. Apply a few drops of lens cleaning fluid (specifically designed for optical lenses) onto a clean microfiber lens cloth.
3. Gently wipe the lenses in a circular motion, starting from the center and moving outwards. Avoid excessive pressure.
4. Do not use abrasive cloths, paper towels, or household cleaners, as these can scratch or damage the lens coatings.

5.2 Waterproof Care

While your binoculars are waterproof and designed to float, proper care is still essential:

- After exposure to saltwater, rinse the binoculars with fresh water and dry them thoroughly with a soft cloth.
- Ensure all caps and covers are securely in place when not in use, especially before exposing to water or humid environments.

Compass Ranging Function

- Internal reticle ruler and built-in compass for range measurement and orientation.
- Press the illuminator switch to lighting the compass and reticle ruler to get bright and clear images in low light conditions.



The binoculars are IPX7 waterproof, designed to withstand immersion and float on water.

5.3 Storage

- Store the binoculars in their carrying case when not in use to protect them from dust, dirt, and impacts.
- Keep them in a cool, dry place, away from direct sunlight and extreme temperatures.
- Remove batteries if storing for extended periods to prevent leakage.

6. TROUBLESHOOTING

- **Blurry Image:** Ensure both the central focusing wheel and the right diopter ring are properly adjusted for your eyes. Check for dirt or smudges on the lenses.
- **Compass Illumination Not Working:** Check if the batteries (LR936/AG9) are correctly installed and not depleted. Replace if necessary.
- **Double Image:** Re-adjust the interpupillary distance (IPD) by bending the binoculars at the hinge until a single circular field of view is achieved.
- **Fogging Inside Lenses:** While the binoculars are fogproof, extreme temperature changes can

sometimes cause temporary internal fogging. Allow the binoculars to acclimate to the ambient temperature. If persistent, contact support.

For issues not covered here, please refer to the support section.

7. SPECIFICATIONS

Feature	Specification
Model	10x50 Marine Binoculars
Magnification	10x
Objective Lens Diameter	50 mm
Field of View	396 ft at 1000 yards (132m at 1000m)
Prism Type	BAK4 Porro Prism
Lens Coating	FMC (Fully Multi-Coated) Green Film
Waterproof Rating	IPX7 (Nitrogen-filled, O-ring sealed, floats)
Compass	Built-in, Illuminated
Rangefinder	Internal Reticle
Diopter Adjustment	±5
Battery Type (for illumination)	LR936/AG9
Item Weight	3.59 pounds
Package Dimensions	9.69 x 8.82 x 4.33 inches
Manufacturer	USCAMEL

8. WARRANTY AND SUPPORT

8.1 Warranty Information

USCAMEL products are manufactured to high-quality standards. Specific warranty details may vary. Please retain your proof of purchase for any warranty claims. For detailed warranty terms and conditions, refer to the documentation included with your product or contact USCAMEL customer support directly.

8.2 Customer Support

If you encounter any issues or have questions regarding your USCAMEL 10x50 Marine Binoculars, please contact USCAMEL customer support. You can often find contact information on the manufacturer's official website or through the retailer where you purchased the product.

Visit the official USCAMEL Store for more information:[USCAMEL Store](#)



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