



OWNER'S MANUAL  
**MARINE BINOCULARS**

ZHUMELL 7X50 MARINE BINOCULARS WITH COMPASS AND RETICLE



**zhumell**  
your world within reach



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Zhumell customers know that there are plenty of ways to experience the world. They also understand that, however you choose to explore it, the best experience is one that fully immerses you in the world's most striking details.

That's where our optics products come in. We strive to put high-performance products in the hands of our customers so that they can experience the world up close, with their own eyes.

With Zhumell, you get field-tested, precision-crafted optics at the best possible value. So even if you're just starting out as an amateur birder or astronomer, you don't have to settle for entry-level products. Zhumell customers enjoy life's pursuits, hobbies, and adventures in rich, colorful detail- the kind of detail that only high-performance optics can produce.

At Zhumell, we design our binoculars, telescopes, and spotting scopes for discerning, price-conscious users who are uncompromising on quality. If you're looking for accessibly priced optics that will bring your world within reach, you're looking for Zhumell.

**Enjoy the view.**



## ENJOYING YOUR **ZHUMELL MARINE BINOCULARS**

1. Caring For Your Binoculars
2. Using Your Binoculars
  - i. Interpupillary Distancebase
  - ii. Eyepiece Focus
  - iii. Using the Reticle and Compass
  - iv. Internal Compass and Reticle Illumination
  - v. Battery Replacement
3. Zhumell Warranty

# CARING FOR YOUR ZHUMELL MARINE BINOCULARS

Zhumell binoculars are precision optical instruments designed for ease of use and versatility in their application. Your Zhumell binoculars are built with the highest-quality optics and top-notch construction to provide years of reliable functionality, but will require proper care.

If, after reading this manual, you still have questions about your Zhumell binoculars, please visit <http://www.zhumell.com> for more helpful tips and contact information. Our customer service representatives are available to address any problems you encounter with your binoculars. Please let us know about your experiences; we would like to hear your feedback.

**Enjoy your Zhumell.**

# CARING FOR YOUR ZHUMELL MARINE BINOCULARS

## WARNINGS

- Never look at the sun through your binoculars. Doing so can cause permanent damage to your eyes, including blindness.
- Always be sure your binoculars are properly mounted or stored.
- While viewing objects at distance, be sure to be aware of what's going on around you to prevent harm to yourself and your binoculars.

## CARE

- When cleaning optical lenses, use included lens cloth or other soft, lint-free cloth. Remove any visible dust or debris by blowing or using a lens brush.
- To remove smudges or prints, rub gently in a circular motion with a lens cloth or other soft cotton cloth. Coarse fabric can scratch your lenses.
- If further cleaning is required, use lens cleaner or diluted isopropyl alcohol to remove dirt and smudges - other chemicals may damage your equipment. Always apply solution to a lens cloth first, never directly to the lens.
- Store binoculars in a moisture-free area. Be sure to dry your equipment before packing it up.
- Always use lens caps when binoculars are not in use.
- Always store your binoculars in a protective case to avoid accidental damage.

# USING YOUR ZHUMELL MARINE BINOCULARS

To get the most from your Zhumell marine binoculars, be sure to understand and properly use these features. Doing so will lead to the most satisfying experience possible from your new optical equipment.

## INTERPUPILLARY DISTANCE

Interpupillary distance is the distance between the eyepieces of a binocular. Easy adjustment will ensure that your binoculars are giving you the view you want. To adjust interpupillary distance, follow these simple steps:

1. Hold binoculars in the normal viewing position
2. Grasp each barrel firmly
3. Gently move the barrels closer together or farther apart until you see a single circular field
4. When you view appears as a single circle, the interpupillary distance is correct. Note the settings for easy adjustment in the future.

## EYEPIECE FOCUS

Your Zhumell binoculars have individual eyepiece focus, which allows for greater control over your view. Each eyepiece is focused using the diopter ring directly behind the lens. To bring your binoculars into focus, follow these steps:

1. Choose a distant object on which to focus
2. Close your left eye or cover the left objective lens and turn the right diopter until the object is in perfect focus
3. Close your right eye or cover the right objective lens and turn the left diopter until the object is in perfect focus
4. When viewing with both eyes, the object should now be crystal-clear. If it is not, make individual adjustments as needed.

# USING YOUR ZHUMELL MARINE BINOCULARS

## INTERNAL RETICLE AND COMPASS ILLUMINATION

To illuminate the internal compass and reticle for low-light viewing, just press and hold the power button top of the binocular. Illumination will turn off when the button is released.

## BATTERY REPLACEMENT

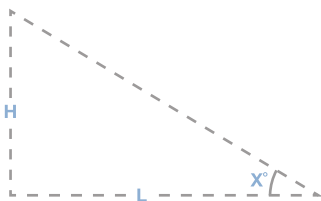
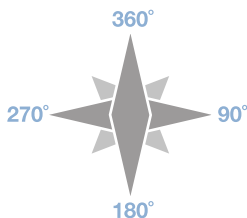
To replace the batteries that power the compass and reticle illumination, remove the battery housing cover using a coin. Place two (2) batteries, type SR-44, in the chamber with the negative side toward the binocular body, and replace the battery housing cover.

## USING THE RETICLE AND COMPASS

The Zhumell marine binoculars use degree measurements to determine your position, which are read as follows:

North = 360, East = 90, South = 180, West = 270.

- **Distance** - If the height of a viewed object is known, use the following equation substituting the object height for variable H:  $L = H / \text{MILS} \times 1000$
- **Angle** - To calculate the included angle of a viewed object, use the following equation:  $x = 0.06 \times \text{MILS}$
- **Height** - If the distance to a viewed object is known, use the following equation substituting the object distance for variable L:  $H = L \times \text{MILS} / 1000$



## **WARRANTY**

Zhumell products are designed to provide you with the highest quality and best value available, which is why we're proud to offer a world-class warranty on all of our products. All Zhumell binoculars are covered by a 25-year no-fault warranty.

To obtain warranty service, the damaged equipment must be returned to Zhumell. Our Customer Care associates will be happy to assist you in completing this return to get your Zhumell in working order as quickly as possible. There is a \$15 surcharge associated with warranty returns to cover return shipping and handling.

For more information, contact information, and to download the Zhumell Warranty Return Form, please visit <http://www.zhumell.com>.