

**CROSSFIRE®**

**BINOCULAR**  
**PRODUCT MANUAL**





**Caution**

Binoculars are not intended for looking at the sun or other intense light sources. Such viewing could damage the retina and cornea of your eyes—even to the point of causing blindness.

**BASIC OPERATION**

**Adjust the eyecups**

Enjoy comfortable viewing even if you wear eyeglasses. Simply twist the eyecups up or down to see the full field of view. Keep the eyecups fully extended if you aren't wearing eyeglasses or sunglasses.



**Adjust the interpupillary distance**

The interpupillary distance (IPD) is the distance between the centers of the left and right pupil. Your binocular also has an IPD. To see a single image free of shading, rotate your binocular until its IPD aligns with your eyes.



The IPD of a binocular is the distance between the center of the left and right ocular lens.

Rotate the binocular barrels inward or outward to align the ocular lenses with your eyes.

## Focus your binocular

For the best views, use the center focus and diopter to adjust for vision differences in each eye. Choose an object that is about 20 yards away from you and perform this two-step process:

**Adjust the center focus.** Close your right eye or cover the right objective lens with your hand.

Look at the object with your left eye and adjust the center focus dial until the image is in focus.

**Note:** Keep the center focus in this position as you adjust the diopter.



**2. Adjust the diopter.** Close your left eye or cover the left objective lens with your hand and rotate the ring until the object is in focus. **Note:** Be sure to record this setting so you can go back to it if someone changes the diopter setting.



After setting the diopter you only need to use the center dial to focus your binocular. If your vision changes, you may need to repeat this process.

## Accessories

Use the provided eyepiece rainguard and tethered objective lens covers to protect lenses when you are not using your binocular. Between viewing sessions, safely store your binocular in the case. **Note:** If the optics are exposed to moisture, keep the covers off and allow the optics to dry out completely before putting them in the case for storage.

## Neckstrap

Securely attach the binocular strap to your binocular:



1. Thread the end of the strap from the bottom up through the strap attachment loop.
2. Hold the buckle and thread the end of the strap inside the buckle.
3. Adjust the overall length and pull the strap webbing tight so it is secure within the buckle.

**Note:** Please *do not* thread a metal ring directly onto the strap attachment loop when attaching rings or clips for other after-market equipment. Instead, use nylon zip ties according to the manufacturer's instructions.

## LENS CARE

Follow this two-step process to gently clean the exterior lenses of your binocular.

**1. Blow away any dust or grit before wiping the lens.**

Use a can of pressurized air, soft camel hair brush, or acrylic optical brush.

**2. Gently remove smudges, fingerprints, and eyelash oil from the lens.** Use a small amount of water or your breath to moisten the lens then wipe away smudges with a clean lens cloth. Isopropyl alcohol can help remove marks like fingerprints.



**Note:** Avoid over-scrubbing lenses and always use a clean lens cloth—replace the dirty lens cloth with a new, clean lens cloth. Please do not use facial tissue, heavy cotton, or flannel cloth on the lenses because these

materials can scratch the lens surface.

## THE VIP WARRANTY

We build optics based on our commitment to your absolute satisfaction. That's why Vortex products are unconditionally guaranteed and we make this Very Important Promise to you—a Very Important Person.

Rest assured that in the event your Diamondback becomes damaged or is defective, Vortex Optics will repair or replace the binocular at no charge to you. If we cannot repair your binocular, we will replace it with a binocular in perfect working order and equal or better physical condition. Call Vortex Optics at 800-426-0048 for prompt, professional, and friendly service.

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Visit [www.vortexoptics.com](http://www.vortexoptics.com) for more information. Canadian customers may visit [www.vortexcanada.net](http://www.vortexcanada.net) for customer service information.

**Note:** The VIP warranty does not cover loss, theft or deliberate damage to the product.

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