



The
CROSSFIRE™
Binocular Series

Congratulations on your purchase of a Crossfire™ binocular. We know you'll find this binocular offers excellent optical resolution and performance—a tremendous value for all your outdoor experiences.

Optical Quality.

The Crossfire features fully multi-coated optics for high light transmission and bright images.

Caution:

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

Rugged Design.

The Crossfire is lightweight, but very rugged and durable. Sporting an internal focusing mechanism, O-rings at all open points, and nitrogen purging, this binocular is waterproof, dustproof, and internally fogproof.



Preparing the Crossfire for Use

The Case

The soft case of the Crossfire provides protection for the binocular when not in use and comes with a woven nylon neckstrap for an easy carry in the field.



The Lens Covers

The Crossfire binocular comes with two tethered objective lens covers and a one-piece rainguard that covers the eyepieces. For convenience, the rainguard can be attached to the neckstrap where it is within easy reach. Simply slip the neckstrap through the attachment point on the rainguard before connecting the neckstrap to the binocular.



The Neckstrap

Attach the padded neckstrap to the binocular in three simple steps. Begin with the right barrel of the binocular and repeat the process for the left barrel.



1. Push a few inches of the strap through the neckstrap attachment point on the binocular.



2. Loop the strap over the attachment point, then thread the strap through the strap buckle.



3. Secure the end of the strap by slipping it through the strap loop.



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5

Customizing the Crossfire

Adjusting the Eyecups.

The eyecups on the Crossfire binocular twist up and down so any viewer can take advantage of the long eye relief and enjoy comfortable, full-field viewing.



With eyeglasses or sunglasses, retract the eyecups.



Without eyeglasses or sunglasses, extend the eyecups.

The twist-up eyecups are built on a solid frame and covered with rubber.

Adjusting the Interpupillary Distance.

The interpupillary distance (IPD) is the distance between the centers of the left and right eye pupils.

Match the IPD of your eyes to that of the binocular by rotating the binocular barrels inward or outward until you see a single image that is free of shading.



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6

Focusing the Binocular.

Choose an object that is about 20 yards away from you and follow this two-step process to properly adjust the focus. Be sure to stay in the same spot until you have adjusted both the center focus and diopter.

1. Adjust the center focus – Start by closing your right eye or covering the right objective lens with your hand. Focus your left eye on the object and adjust the center focus wheel until the image is in focus. Leave the center focus in this position as you adjust the diopter.



2. Adjust the diopter – Start by closing your left eye or covering the left objective lens with your hand. Look through your right eye and adjust the diopter (ring found on the right eyepiece) until the object is in focus. Make note of this diopter setting in case you need to set it again.



From this point on, you will only need to use the center focus dial.

Caring for the Lenses

Maintain the optical brilliance of the Crossfire binocular by keeping the lens surfaces free of dirt, dust, and oils.

Protect Lenses While Out in the Field.

Make use of the rainguard and tethered objective lens covers to protect the lenses when not viewing. Store the Crossfire in its custom carry case.

Keep Lenses Clean.

Along with normal use comes the need to clean the binocular lenses. Follow these guidelines for cleaning:

1. Remove any dust or grit from lenses before wiping.

Use a can of pressurized air or soft camel hair brush (acrylic optical brushes also work well).

2. Clear lens of smudges, fingerprints, or eyelash

oil. Fog the lenses with your own breath and wipe with the non-abrasive lens cloth included with the Crossfire binocular.

Other cleaning options:

Cleaning fluid and optical paper can also be used. However, you should never use facial tissue, heavy cotton, or flannel clothing on lenses—these materials can scratch the lens surfaces.

The VIP Warranty

We build optics based on our commitment to your absolute satisfaction. That's why Vortex products are unconditionally guaranteed.

Vortex pledges this Very Important Promise to you—a Very Important Person. That's why we call it the VIP warranty. In the event that a Crossfire requires service, no matter the cause, Vortex Optics will repair or replace the binocular at no charge to you.



Call Vortex Optics at 800-426-0048 for prompt, professional, and friendly service.

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The Vortex VIP warranty is completely transferable and has no warranty card to fill out. The VIP warranty does not include occurrences of loss, theft, deliberate damage, nor damage as a result of unauthorized repair, modification, or disassembly. Vortex Optics reserves the right to replace warranted products with a product of similar value and/or specifications in the event that the original product is no longer manufactured or has been discontinued.

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