



PRODUCT MANUAL

STRIKEFIRE® II

4 MOA RED DOTS

SPECIFICATIONS

SKU	SF-BR-504	SF-RG-501
DOT COLOR	Bright Red	Bright Red/Bright Green
DOT SIZE	4 MOA	
BATTERY TYPE	CR2	
BATTERY RUN TIME (@ SETTING 5)	50,000 hrs.	360 hrs.
ILLUMINATION SETTINGS	11 Settings (9 Daylight, 2NV)	10 Settings (8 Daylight, 2NV)
EYE RELIEF	Unlimited	
MAGNIFICATION	1x	
ADJUSTMENT GRADUATION	1/2 MOA	
TRAVEL PER ROTATION	30 MOA	
MAX ELEVATION ADJUSTMENT	100 MOA	
MAX WINDAGE ADJUSTMENT	100 MOA	
PARALLAX SETTING	Parallax Free	

Images are for representation only.
Product may vary slightly from what is shown.



WIDTH	2.5"
OVERALL HEIGHT (W/LOWER 1/3 CO-WITNESS MOUNT)	2.9"
LENGTH	5.6"
OPTIC BORE CENTER HEIGHT (W/LOWER 1/3 CO-WITNESS MOUNT)	40mm
WEIGHT (W/ BATTERY & LOWER 1/3 CO-WITNESS CANTILEVER MOUNT)	12.8 oz.
MOUNTING FOOTPRINT	30mm
LOWER 1/3 CO-WITNESS CANTILEVER MOUNT FOOTPRINT	Picatinny & Weaver®

STRIKEFIRE® II RED DOTS

The StrikeFire® II delivers fast target acquisition and dependable performance for tactical training and range sessions. Whether you're drilling close quarters or working midrange shots from cover, this red dot is built to keep you on target. The tube-style design provides increased protection and a familiar sight picture, perfect for shooters who value simplicity and ruggedness. Ready for regular use at the range, it's a solid choice for shooters looking for reliable performance without the complexity.



BASIC OPERATION

Battery Installation and Replacement

Remove the Battery Compartment cover. Install one CR2 battery so the “-” lettering faces outward and replace the cover. When replacing the cover, be sure it is fully tightened.

Power Up

To turn the StrikeFire® II on, press the “Up” button. To turn the StrikeFire® II off, press and hold the “Up” button for five seconds.

Auto-Shutoff

The red dot will automatically shut off after 12 hours if no buttons are pressed.

Press the “Up” button to turn illuminated dot on and off.



Press the “Down” button for 4 seconds to change dot color.
(Red/Green Model only)

Brightness Selection

Adjust the dot brightness by pressing and releasing the appropriate “Up” or “Down” button.

Illumination Color Adjustments (Red/Green Model Only)

Illumination is available in both bright red and bright green colors. To change between colors, press and hold the “Down” button for four seconds to switch the dot color.

Battery Life

The StrikeFire® II uses a CR2 battery. The typical battery life depends on the brightness intensity setting of the dot.

Turret Adjustments

Turrets are used to adjust the bullet's point of impact and are marked in Minute of Angle (MOA). There are two turrets on your dot. The turret on the top of the red dot is the Elevation Turret and is used to adjust the point of impact up and down. The turret on the right-hand side is the Windage Turret and is used to adjust the point of impact left and right.

Your StrikeFire® II features adjustable Elevation and Windage Turrets with audible clicks. Each click moves the bullet's point of impact 1/2 MOA. The chart below indicates how many inches your bullet's point of impact will move per 1/2 MOA click at different distances from your target.



DISTANCE IN YARDS	MOVEMENT PER CLICK (INCHES)
10 YDS.	~ 0.05"
20 YDS.	~ 0.10"
25 YDS.	~ 0.125"
30 YDS.	~ 0.15"
40 YDS.	~ 0.20"
50 YDS.	~ 0.25"
75 YDS.	~ 0.375"
100 YDS.	~ 0.50"
200 YDS.	~ 1.00"

Note: If not shooting at one of the example distances, use this formula:

(Yardage x 0.01) x .5235 = Movement Per Click in Inches

EXAMPLE: At a 25-yard sight-in distance, it will take 24 clicks of the turret to move the bullet's point-of-impact three inches.

To Make Turret Adjustments:

1. Remove the turret covers.
2. Use the raised bar on the turret cover, a coin or screwdriver to make adjustments.
3. Turn the turret in the appropriate direction as indicated by the arrow on the dial. Move the turret in the direction you wish the bullet's point of impact to change.

Note: The dot will move in the opposite direction of the turrets when dialed, this is normal.

Elevation Turret



Windage Turret

Mounting Height Options

The StrikeFire® II includes a Cantilever Ring Mount. The Cantilever Ring Mount puts the optic bore center 40mm above the base, providing lower 1/3 co-witness with iron sights on flat top AR-15 rifles. The StrikeFire® II can also be used with certain 30mm rings (not included) for lower mounting heights. For mounting height options please call our Technical Department at:

1-800-4VORTEX (1-800-486-7839) Ext. 1

Mounting the StrikeFire® II

To get the best results from your StrikeFire® II, proper mounting is essential. Although not difficult, the correct steps must be followed. Your firearm will need to be equipped with a Picatinny or Weaver® style rail/base.

1. Separate the upper Ring Mount Cap from the lower half of the Cantilever Ring Mount. Then attach the lower half to the rail/base and make sure this is solidly seated in the base groove.



2. Be sure the base clamp is hooked around the outside of the rail/base. Press downward and forward toward the muzzle. Then, firmly tighten the Base Clamp Hex Nut to 35-45 in-lbs.
3. Place the StrikeFire® II on the lower half of the ring mount and install the upper Ring Mount Cap on top of the red dot. Align screw holes and insert the Ring Cap Screws. Tighten Ring Cap Screws evenly to 15-18 in-lbs.
4. Once the screws are tightened, the StrikeFire® II should not move on the rail/base.

Note: It is good practice to regularly re-check all mounting screws to be sure they haven't loosened under field conditions.

SIGHTING IN

Bore Sighting

Initial bore sighting of the dot will save time and money at the range by roughly aligning the dot to the firearm. This can be done in several ways, either by using a mechanical or laser bore sighter according to the manufacturer's instructions, or by removing the bolt and sighting through the barrel.

To Visually Bore Sight a Rifle:

1. Place the rifle solidly on a rest and remove the bolt.
2. Sight through the bore at a target approximately 25-50 yards away.

Note: It will help to have larger, high contrast target to focus on as it can be difficult to pick up smaller targets through the bore of the rifle.
3. Move the rifle and rest until the target is visually centered inside the barrel.
4. With the target centered in the bore, make the windage and elevation adjustments until the reticle is also centered on the target. You may notice the reticle travels in the opposite direction as listed on the turrets. This is completely normal.

Final Range Sight-In

After the dot has been bore sighted, final sight-in should be done at the range using the exact ammunition you expect to hunt or shoot with. Sight-in and zero the dot at the preferred distance. 25 or 50 yards are the most common zero distances for this optic.



1. Following all safe shooting practices, fire a three-shot group as precisely as possible to determine an average point of impact to correct from. This will also help you establish the firearm system's accuracy potential.
2. Adjust the turrets to correct for any offset in your point of impact. Be sure to read pages 7-9 prior to adjusting.
3. Fire another three-shot group to establish another average point of impact. This procedure may be repeated as many times as necessary until your point of impact and your point of aim are in the same place, and you have achieved a perfect zero.

Note: Vortex® does not recommend the use of a weighted gun vise, as it can put extreme stress on the gun, stock, dot, and mount. It is best practice to use a combination of sandbags or a bipod and sandbags. Letting your weapon recoil naturally also provides consistency from shot to shot.

MAINTENANCE AND STORAGE

Cleaning

Your StrikeFire® II requires very little routine maintenance other than periodically cleaning the exterior lenses. The optic's exterior may be cleaned by wiping with a soft cloth. When cleaning the lenses, be sure to use products that are specifically designed for use on coated optical lenses.

- Be sure to blow away any dust or grit on the lenses prior to wiping the surfaces.
- Using your breath, or a very small amount of water or pure alcohol, can help remove stubborn dried water spots.

Lubrication

All components of the StrikeFire® II are permanently lubricated, so no additional lubricant should be applied.

Note: Other than removing the Battery Compartment Cover, Turret Caps, and Flip Caps, do not attempt to disassemble any components of the StrikeFire® II. Disassembly may void warranty.

Storage

If possible, avoid storing your dot in direct sunlight or any very hot location for long periods of time.

TROUBLESHOOTING

Red Dot Does Not Illuminate

If the dot does not illuminate, please check the following before returning the dot for service:

- Is the battery dead? Replace the battery.
- Is the battery installed correctly? Be sure the battery is oriented with the “-” facing outward.
- Is the battery cap loose? Be sure cover is snug and contact points are clean.

Dot Moves Within the Window

This is a normal function of any dot that is parallax free. The placement of the dot within the window does not affect your point of impact. As long as the dot is on the target and zeroed, you will hit your target.

Dot is Blooming

An astigmatism may cause the dot to look clustered, linear, or starburst. Lowering the dot intensity to an appropriate brightness setting, focusing on the target and not the dot, and keeping both eyes open helps reduce blooming.

Mounting Screws Coming Loose

Check to make sure that the mounting screws were torqued to proper specifications. Be sure to check that the Base Clamp Hex Nut that holds the Cantilever Ring Mount to the base is torqued to 35-45 in-lbs and that the Ring Cap Screws are torqued to 15-18 in-lbs.

Bullets Are Not Grouping

Be sure all mount screws are tight. You should not be able to twist or move the dot in any direction. Many times, problems thought to be with the dot are actually mount problems.

NOTICE

Virtual Patent Marking Notice By Vortex Optics

This product may be protected by patents in the U.S. and elsewhere for Vortex Optics. <http://vtx.legal> website is provided to satisfy the virtual patent marking provisions of various jurisdictions including the virtual patent marking provisions of the America Invents Act and provide notice under 35 U.S.C. §287(a). Please visit <http://vtx.legal> to view list of products that may be covered by one or more U.S./Foreign patents or published patent applications.



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Learn more at VortexOptics.com

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Note: *The VIP® Warranty does not cover loss, theft, deliberate damage, or cosmetic damage not affecting product performance.*

For the most up to date manual visit VortexOptics.com



M-00194-1

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