



# RAPIDSTRIKE

1-4X24 RIFLESCOPE

USER MANUAL



FF13071K

Firefield™ products are designed to provide unparalleled value in shooting technologies and enable young shooters to master their skills for tactical training situations, competitive shooting, hunting, and fast-paced combat in the field of Xtreme shooting sports.

Firefield™ offers quality products with the outdoor enthusiast and shooting fanatic in mind. Our lineup consists of riflescopes, laser sights, boresights, tactical flashlights, reflex sights, binoculars and other shooting accessories.

All Firefield™ products are compatible with airsoft, tactical rifles, shotguns and pistols, and are designed to maximize performance in every moment.

Transform your outdoor experience with Firefield™!

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## RAPIDSTRIKE

Improve your close- to mid-range target acquisition speed with the Firefield RapidStrike 1-4x24 riflescope kit. The kit includes a cantilever mount, and a Firefield Impact Mini Reflex Sight. RapidStrikes feature multi-coated, anti-reflective glass, a red and green illuminated circle-dot reticle with five brightness settings, 1-4x variable zoom and pop-up locking turrets to prevent accidental windage and elevation adjustments. The RapidStrike is constructed out of a durable single piece 30mm 6061-T6 aluminum tube and is IP67 rated waterproof, dustproof and shockproof up to 90 cm.

### Features

- Cantilever mount, throw lever and honeycomb filter included
- Pop-up locking turrets
- Multi-coated, anti-reflective glass
- Red and green illuminated circle-dot reticle
- 5 brightness settings
- 1-4x optical zoom
- ½ MOA adjustments
- IP67 waterproof and dustproof
- 6061-T6 30mm aluminum tube
- Firefield Impact Mini Reflex Sight

# SPECIFICATIONS

TECHNICAL SPECIFICATIONS		FF13071K
Reticle type		Circle Dot
Reticle color		Red, green, black
Illuminated reticle (yes/no)		Yes
Reticle brightness settings		0-5
Magnification (x)		1-4
Objective lens diameter (mm)		24
Eye Relief (mm/in)		3.98 / 101.2
Field of view (ft@100yd)		107.3 - 24.24
Field of view (m@100m)		35.7 - 8.08
Diopter adjustment (+/-)		+2 to -2
Tube diameter (mm)		30
Parallax setting (yds/m)		100/91.4
Windage/elevation adjustment range		50/50 MOA
Adjustment value (one click =)		1/2 MOA
Maximum caliber		.338
Battery type		CR2032
Battery life (hours)		100
Focal plane		Second
IP standard (water rating)		IP67-waterproof/dustproof
Lens coatings		Fully multicoated
Dimensions (in/mm)		8.86 x 2.4 x 1.9 255 x 61 x 48
Weight (oz/g)		13.86 / 393

## Included Accessories:

- CR2032 Battery
- Cantilever mount
- Firefield Impact Mini Reflex Sight

## Features:

- 4x optical system
- Pop-up locking turrets
- Red or green illuminated reticle
- Resettable turrets

# DIAGRAM

1. Objective lens
2. Eyepiece (diopter adjustment)
3. Magnification adjustment ring
4. Elevation adjustment
5. Windage adjustment
6. Illumination dial
7. Battery cap
8. Mount
9. Firefield Impact Mini
10. Lens caps



## INSTALLING THE BATTERY

The Firefield RapidStrike is powered by a CR2032 battery. Should the reticle illumination grow dim or not illuminate, the battery needs to be replaced. To install a new battery:

1. Unscrew the battery cap (7) on the illumination dial (6).
2. Insert the new battery with the positive (+) side facing up.
3. Screw the battery cap on clockwise until firmly secure. Do not over tighten.



## ILLUMINATION CONTROL

The Firefield RapidStrike riflescope uses an etched reticle. The reticle can be used without illumination and will appear black. To activate the reticle illumination in red:

1. Rotate the illumination dial (6) either clockwise or counterclockwise. The dial is marked with the brightness setting ranging from 0 (off) to 5.
2. Set the dial so the setting indicating desired brightness faces the shooter or the white indication mark on the housing.
3. To turn off, rotate the dial to the zero setting.



## DIOPTER ADJUSTMENT

The Firefield RapidStrike riflescope eyepiece (2) is designed to rotate to adjust for diopter. Diopter is the measurement of the eye's curvature. By rotating the eyepiece, the diopter is adjusted to properly match each person's vision. If the reticle does not appear clear, crisp, nor sharp, rotate the eyepiece until the reticle becomes clear and sharp. This adjustment should stay the same unless the riflescope's operator changes.



## VARIABLE POWER ADJUSTMENT

To change magnification, turn the magnification ring (3) to the desired level of power.



## OPERATING THE WINDAGE AND ELEVATION ADJUSTMENTS

The Firefield RapidStrike riflescope has finger-adjustable elevation and windage adjustments (4, 5) with a locking, pop-up feature. These turrets must be pulled up to disengage the locking mechanism. Once disengaged, adjustments can be made. When adjustments are finished, the turret can be pushed back down to lock the adjustment. In order to make windage and elevation adjustments:

1. Turn the adjustments in the appropriate direction needed to change the bullet's point-of-impact as indicated by the "UP" and "R" (right) arrows marked on the adjustments.



## MOUNTING

The Firefield RapidStrike riflescope includes a 30mm cantilever mount. Mount the scope rings per the manufacturer's instructions. Do not perform a final tightening of the rings until you have thoroughly checked eye relief and reticle alignment. The riflescope should still be able to move fore and aft and rotate. To achieve maximum eye relief:

1. Set the riflescope to its highest magnification.
2. Set the riflescope as far forward in the rings as possible then slowly move the riflescope closer to your eye. Stop moving the riflescope once a full field of view is visible.
3. Next, rotate the riflescope to vertically align the crosshair. Use a reticle leveling tool if available.
4. Once alignment is complete, tighten the mounting ring's screws per the manufacturer's instructions. Do not over tighten.



## BORESIGHTING AND SIGHTING IN

Boresighting and test firing should be performed safely on a firing range. Laser boresights are a quick and accurate method for sighting in. The traditional method of boresighting is listed below.

1. When mounting the riflescope on a bolt action rifle, remove the bolt; or when mounting to a semi-automatic rifle, disassemble the rifle until there is a straight line of sight through the bore.
2. Use a target at least twenty yards to fifty yards away when sighting in the riflescope. Look through the bore of the weapon and locate the bull's-eye of the target.
3. Sight in the target through the bore and then make windage and elevation adjustments (see "Operating Windage and Elevation Adjustments" for instructions) to the riflescope until the reticle is centered on the bull's-eye.

To verify the riflescope is accurately sighted in, always fire a three-shot test group preferably using the same ammo manufacturer, grain, and lot number. 100 yards is the most common zero distance. For long range shooting, a 200-yard zero is generally preferred. Before firing, make sure the image is properly focused and no parallax is present.

4. After firing a group, use the center of this grouping to make adjustments to the elevation and windage, these adjustments will move your firearm's grouping to the center of the target.

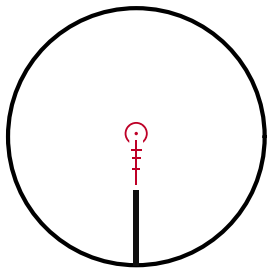
5. Fire another three-shot test group to confirm adjustments and use the center of the new grouping to determine any final adjustments.

Once the riflescope is zeroed, the turrets can be reset to the "0" mark on your elevation and windage dial and the zero stop ring can be set on the elevation turret. To do this:

1. Use a large coin or flathead screwdriver to loosen the cap screw on the turret. Remove the cap screw entirely, but be careful not to lose it and the rubber gasket.
2. Once the cap is removed, lift the turret cap straight up and off of the turret being careful not to make any clicks.
3. Re-install the elevation turret cap, so that the "0" mark is aligned with the line indicator on the riflescope. Re-tighten the cap screw. Do not over tighten.

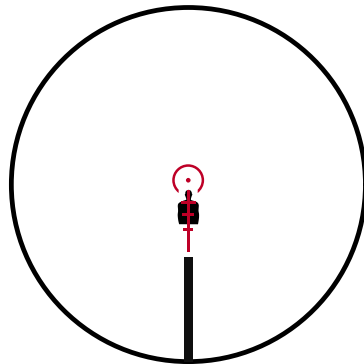
## USING THE CIRCLE DOT RETICLE

The Firefield RapidStrike 1-4x24 riflescope was designed for 3-gun competition and shooting close to medium range targets. The reticle is a second focal plane, minute of angle (MOA) reticle. This reticle is calibrated for 5.56x45 / .223 Rem. 55-grain FMJ ammo. The reticle was designed for a 100 yard zero. At 4x magnification, the 1 MOA aiming dot is used to engage targets from 0 to 200 yards. The reticle consists of a circle dot design for quick target acquisition in close-range engagements. At 1x magnification, the outer circle will cover approximately 15 inches of a target at 25 yards. This is nearly equivalent to shoulder width of IPSC targets. Below the aiming dot, holdovers can be used to determine range of IPSC targets and perform ballistic holdovers out to 600 yards. Finally, the main horizontal subtension is scaled in 5 MOA increments (at 4x) and can be used for leads for moving targets.



## RANGING AND ELEVATION HOLDOVERS WITH THE RETICLE

The reticle can be used to estimate the range of IPSC targets based on the shoulder width of the target. Ranging is simple by matching the width of the IPSC target to length of the horizontal holdover points of the reticle. The following image shows approximately the size ratio for the distance of 400 yards. Note for a 300-yard target, the open base of the circle is used for ranging. By knowing the distance to your target, the holdover can then be used to compensate for bullet drop. Range estimation and holdovers must be done at 4x magnification. Note that for 300-yard holdover, the tip of the vertical subtension is used.





## MAINTENANCE

Proper maintenance of the Firefield RapidStrike riflescope is recommended to ensure longevity. It is recommended that when the sight becomes dirty, it is wiped down with a dry or slightly damp cloth. Blow dirt and debris off all optics and then clean lenses with a lens cleaning cloth. To remove oils or dried water spots, apply a small amount of denature alcohol to a lens cloth or cotton swab. Clean the surface of the lens and let dry. Finally use your breath to clean the lens once more. No further maintenance is required. Do not attempt to disassemble any components of the scope.

## WARNING

Before handling the Firefield RapidStrike riflescope, read and understand the contents of your firearm's manual, and the Firefield manual. Follow all standard safety precautions and procedures during firearm operation, even when the riflescope is not in use.

- Avoid hitting or dropping the unit
- ALWAYS check that the chamber of your weapon is clear before mounting or dismounting the riflescope.
- The reticle illumination should be tested during periods of non-use to make sure it is still operating properly. Failure to follow standard firearm safety precautions and procedures, as well as the above warnings, is dangerous and may result in serious injury, damage to property, or death.

## TROUBLESHOOTING

Proper authorization is required before shipping any product back to Firefield. Failure to obtain authorization could result in your product being returned to the wrong address, lost, or damaged. Firefield is not liable for products returned without authorization.

If the riflescope does not hold zero:

1. Verify the sight is mounted securely to the rifle. If the riflescope can be shifted in any direction, retighten the mount according to the mounting instructions but do not over tighten. The sight will need to be re-zeroed afterwards.
2. Check that all screws on the mount are securely tightened.
3. When sighting in be sure to use factory-loaded ammunition of the same bullet type, weight, and preferably lot number.

### **The reticle does not illuminate:**

1. Check that the battery is in working order and that the polarity of the battery is correct.
2. Check that there is no residue, film, or corrosion on the battery contacts that may be preventing the reticle from illuminating.

### **The reticle is blurry and not in focus:**

1. Rotate the eyepiece to adjust the diopter adjustment until the reticle becomes clear and sharp.

**The reticle has a halo or is fuzzy:**

1. The halo or fuzzy appearance is caused by greater illumination than is required for the current environment the riflescope is being used in, decrease the brightness level of the reticle until clear.

**The reticle illumination turns off while firing:**

1. Tighten the battery cap with a coin or flathead screw driver so the cap is fully seated.

## FIREFIELD WARRANTY

Please visit [www.firefield.eu](http://www.firefield.eu) for warranty details and information.

## DIAGRAM

1. Objective lens
2. On / off switch
3. Assembly set screws
4. Mounting bolt
5. Windage and elevation adjustments
6. Battery cap
7. Low profile mount



## INSTALLING THE BATTERY

The Firefield Impact Mini Reflex Sight is powered by one CR1632 battery. Should the reticle grow dim or not illuminate, the battery needs to be replaced.

### To install a new battery:

1. Unscrew the battery cap (6) on top of the unit.
2. Remove the battery.
3. Insert the a new battery with the positive (+) side facing up.
4. Screw the battery cap on until firmly secure. Do not over tighten.

## OPERATING THE ON/OFF SWITCH

In order to activate the Firefield Impact Mini Reflex Sight Locate the on/off switch (2) on side of the unit.

1. Push the switch to turn on the unit.
2. Consecutive presses of the switch will cycle the brightness settings.
3. To turn off the unit hold down the on/off switch for 3 seconds.



## OPERATING WINDAGE AND ELEVATION ADJUSTMENTS

Included with the Firefield Impact Mini Reflex Sight is a flat head screw driver. This tool is necessary in adjusting the windage and elevation (5).

1. With the sight securely mounted, rest the gun on a solid support and aim at a target 50 to 100 yards away. All test shots should be done under the same conditions to achieve maximum accuracy. This includes using the same rest and same cartridge type. Fire a test group to see where the gun is shooting.
2. Adjust the windage and elevation with the flat head screwdriver till the reticle is zeroed on the bullet's point of impact.



*Note: The windage and elevation adjustments on the Impact Mini Reflex Sight have a continuous rotation, no clicks.*



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