



# RAPIDSTRIKE

RIFLESCOPES (3-12X40 / 4-16X44 / 5-20X50)

## USER MANUAL



FF13072 - FF13073 - FF13074

The Firefield™ brand has products designed to maximize every intense moment. Originally designed for consumers who need products to hold up to heart pounding, fast-paced combat in the field with Xtreme shooting sports, Firefield™ has crossed over to service customers with hunting and tactical needs as well.

Firefield™ offers quality products with the outdoor enthusiast and shooting fanatic in mind that are affordable to the masses. Prepare for victory with the latest Firefield™ products!

The Firefield™ brand consists of riflescopes, laser sights, boresights, tactical flashlights, reflex sights, AK and Quad Rail mounts, binoculars and other shooting accessories. Firefield™ products are compatible with paintball, airsoft, AR15, shotguns and pistols.

Firefield™ concentrates on providing the consumer with products for fast-paced situations while being durable, yet affordable. Firefield™ works diligently creating products to serve the next generation of fast-paced gun enthusiasts. Transform fears into glory and excitement with Firefield™!

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[www.firefield.com](http://www.firefield.com)

## RAPIDSTRIKE

The RapidStrikes will be offered in 3-12x, 4-16x and 5-20x models with all the perks and distinguishing features which make the RapidStrike 1-6x the high speed LPVO it is. With their longer ranges, the new Firefield RapidStrikes are ideal for engaging hogs, varmints, or paper targets at the range.

### Features

- Pop-up locking turrets
- Resettable Turrets
- Second focal plane reticle
- Parallax Adjustment
- Fully multi-coated optics
- Single-piece, 30mm tube
- Hard anodized finish
- Shockproof, fogproof, waterproof

### Included Accessories:

- Throw Lever
- 30mm Scope Rings
- Sunshade
- Lens Cleaning Cloth
- Flip-up lens covers

## SPECIFICATIONS

TECHNICAL SPECIFICATIONS	FF13072	FF13073	FF13074
Reticle type	Mil-Hash	Mil-Hash	Mil-Hash
Reticle color	Black	Black	Black
Illuminated reticle (yes/no)	No	No	No
Reticle brightness settings	NA	NA	NA
Magnification (x)	3-12	4-16	5-20
Objective lens diameter (mm)	40	44	50
Eye relief (in/mm)	3.78 / 96	3.78 / 96	3.78 / 96
Field of view (ft @100yd)	34.4-10.6	31.8 - 8.0	25.5 - 6.4
Tube diameter (mm)	30	30	30
Parallax setting (yds)	15 - ∞	15 - ∞	15 - ∞
Windage/Elevation adjustment range	13 MIL	13 MIL	13 MIL
Adjustment value (one click =)	1/10 MIL	1/10 MIL	1/10 MIL
Maximum Caliber	.338	.338	.338
Battery type	NA	NA	NA
Battery life (hours)	0	0	0
Focal plane	Second	Second	Second
IP Standard (water rating)	IPX5 - weather-proof	IPX5 - weather-proof	IPX5 - weatherproof
Lens coatings	Fully Multicoated	Fully Multicoated	Fully Multicoated
Operating temperature (°F)	-13 to 131	-13 to 131	-13 to 131
Deminsions (in/mm)	12.60x2.60x1.97 320/66/50	12.6x2.6x1.97 320x66x50	12.2x2.60x1.97 310x66x50
Weight (oz)	18.5	18.9	19.9

## DIAGRAM

1. Objective lens
2. Eyepiece (diopter adjustment)
3. Magnification adjustment ring
4. Elevation adjustment
5. Windage adjustment
6. Parallax adjustment
7. Throw lever
8. Mount
9. Flip-Cap Lens Covers
10. Sunshade



## PARALLAX CORRECTION

The Firefield Rapidstrike riflescope is equipped with a side focus dial that is used to eliminate parallax and finely focus the image. Parallax occurs when the image of the target does not focus on the same optical plane as the reticle inside the riflescope. When parallax is present, the reticle appears to move over the target when the shooter's eye is not centered to the eyepiece. Adjusting the side focus dial properly will eliminate parallax.

TO ADJUST PARALLAX:

1. Turn the Parallax dial (6) until the image of the target is as sharp as possible. If you know the distance to your target, use the yardage marks on the dial as a starting reference.
2. Check for parallax by moving your head back and forth while looking through the scope. If the reticle appears to shift slightly adjust the focus dial until all shifting has been eliminated. Parallax is eliminated when there is no apparent shifting of the reticle.



## VARIABLE POWER ADJUSTMENT

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



## 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 or sharp, rotate the eyepiece until the reticle becomes clear and sharp. This adjustment stays the same unless the riflescope's operator changes.



## MOUNTING

The Firefield RapidStrike riflescope includes a 30mm ring mount (8).

### TO MOUNT THE SCOPE RINGS:

1. Remove the screws and upper half from the mount and place the scope on the mount.
2. Replace the upper half of the mount and the screws.
3. Loosely tighten the screws. 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.

## INSTALLING THE THROW LEVER

The Firefield Rapidstrike riflescope arrives with a magnification throw lever (7) in the box. The throw lever helps the shooter turn the magnification dial both quickly and easily.



### TO INSTALL THE THROW LEVER:

1. Take the provided magnification throw lever (7) and screw it into the empty hole on the magnification dial.
2. Tighten firmly by hand, but do not overtighten.
3. Installation is complete once the throw lever does not shift when the magnification dial is turned.

## 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.

### 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.

## 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.

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.

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

## TO RESET THE TURRETS

Once the riflescope is zeroed, the turrets can be reset to the “0” mark on your elevation and windage. To do this:

1. Use the provided tool or a large coin or flathead 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 MIL-HASH RETICLE

The Firefield Rapidstrike 3-12x40, 4-16x44, and 5-20x50 were designed for medium to long range shooting and are all equipped with the same Mil-Hash reticle. The Mil-Hash reticle is based on milradian (MRAD or MIL) design. Miliradian is a measurement of angle. A single mil is equal to 3.6” at 100 yards. the adjustments in the Firefield Rapidstrike scopes is 0.1 MIL, meaning that each click will move the point of impact 0.36” at 100 yards or 1cm at 100 meters. The reticle is second focal plane style. This means the reticle will remain the same visible size at all magnification levels and will be true at 12x magnification. All holdovers are accurate only at 12x magnification. The Mil-Hash reticle comes equipped with hash style subtension “holdovers” to allow shooters a way to engage targets at different ranges without adjusting the turrets.

## 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 reflex sight 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.com](http://www.firefield.com) for warranty details and information.

