Firefield

1-6x24 1st Focal Plane Riflescope

USER MANUAL

VICTORY JUSTIFIES EVERYTHING

Whether you are in a fast- paced combat situation or defending yourself and your home, Firefield™ will be by your side, preparing you for victory. Firefield™ offers quality products with outdoor enthusiasts and paintball fanatics in mind. Whether your weapon of choice is paintball, airsoft, AR15, shotgun or pistol, Firefield™ can accommodate your preference. Firefield™ will provide you with high quality and durability for a fraction of competitor pricing. Firefield™ products consist of boresights, flashlights, laser sights, reflex sights, rails, mounts, magazines, binoculars and other shooting accessories.

www.fire-field.com

FIREFIELD 1-6x24 1st FOCAL PLANE RIFLESCOPE

Shoot with confidence from anywhere, at anytime! The Firefield 1-6 x24 riflescope is equipped with a green or red illuminated, first focal plane reticle for range estimation at any magnification to help find the distance between the shooter and the target. Precision multicoated optics is a distinguishing feature of the Firefield 1-6 Riflescope and offers the clearest view in both bright and low light situations.

Featuring a tactical mil reticle the Firefield 1-6x24 riflescope is used for target acquisition in rapid changing environments, so it hits the target every time with precision accuracy. This scope features excellent eye relief for comfortable, easy viewing. Equipped with a 30 millimeter tube that allows the scope to gather more light, the Firefield 1-6x24 riflescope is perfect for all light conditions.

Weather resistant and fog proof, the nitrogen filled Firefield 1-6x24 riflescope features ½ MOA low profile windage and elevation adjustments for a sleek, streamlined look to the scope. The Firefield 1-6x24 riflescope is lightweight and shockproof for maximum portability and durability, so every adrenaline-filled moment is intensified. Firefield-Victory Justifies Everything!

Technical Specifications:

Reticle type	Mil Reticle
Reticle color	Red/green
Magnification	1-6x
Objective lens diameter	24mm
Exit pupil diameter	14.6-4mm
Eye relief	127-99mm
Field of view (ft @100yd)	100.4-16.7
Diopter adjustment	+2-3
MOA adjustment (one click)	1/2
Battery type	CR2032
Battery life	80-150hr
Lens coating	Green multi-coated
Waterproof standard	IPX4
Shockproof	yes

Dimensions	250x68x55mm
Weight	20.1oz

Features:

- First focal plane mil reticle
- Red/green reticle illumination
- 1-6x magnification
- 1/2" MOA adjustments
- IPX4 waterproof

DIAGRAM

1) Objective lens
2) Windage/elevation adjustment
3) Magnification adjustment
4) Diopter adjustment
5) Reticle illumination adjustment
6) Nitrogen purge screw

WARNING

Before handling this product, read and understand the contents of your firearm's manual, warnings, and the Firefield riflescope user manual. Follow all standard safety precautions and procedures during firearm operation.

INSTALLATION

It is recommended to have the riflescope mounted by a professional gunsmith. However, if attempting to mount the riflescope without professional assistance, please read and strictly adhere to the following directions:

1. All riflescopes come with basic rings for immediate mounting.
2. Unload the weapon. Remove the bolt/firing pin to ensure the weapon is incapable of firing.
3. Install the lower portions of the rings onto a Weaver base. Tighten the screws to between 45-65 inch pounds of torque.
4. Place the riflescope in the rings and install the top portion of the rings loosely so that the riflescope can move freely.
5. Establish the correct eye relief by moving the weapon into the shooting position. While in the shooting position, move the riflescope forward or backwards until the image is clearly visible.
6. Once the correct eye relief is established, check the crosshair alignment by pointing the riflescope at an object that is level and align the crosshair.
7. Once the alignment is checked, tighten the rings evenly. Take care not to over tighten the screws.

8. Check alignment and position, then boresight the riflescope.
Warning: Having the riflescope mounted too close to the rear can injure the shooter during firing. Ensure the riflescope is properly mounted before firing to prevent injury.

BORESIGHTING THE RIFLESCOPE

Boresighting and test firing should be performed safely on a firing range. Laser boresights are a quick and accurate method to sight in riflescopes. Below is listed the traditional method of boresighting.

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 20 yards to 50 yards away when sighting in the riflescope. Look through the bore of the weapon and locate the bullseye 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 bullseye.

To verify the riflescope is accurately sighted in, always fire a three-shot test group at 100 yards.

4) If you are still not centered, make the necessary amount of adjustments to move the reticle to the center of the target.

5) Again fire a three-shot test group, and use the center of the group to determine final adjustments.

OPERATING WINDAGE AND ELEVATION ADJUSTMENTS

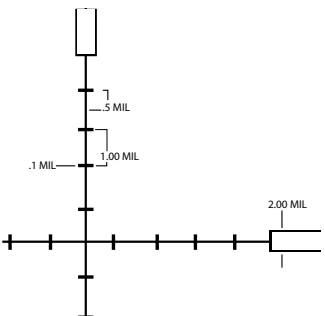
In order to make windage and elevation adjustments:

1. Make the necessary windage and elevation adjustments by rotating the adjustments (2). The windage and elevation adjustments are 1/2 MOA, meaning that 1 click moves the point of impact 1/2 inch at 100 yards. Adjustments can be both felt and heard allowing the shooter to make adjustments without looking at the dials.

MAGNIFICATION ADJUSTMENT

The Firefield 1-6x24 Riflescope comes equipped with variable magnification options. By rotating the magnification ring (4) to the desired setting, shooters can find a magnification that is appropriate for their shooting scenario. Note: Do not loosen the screw located on the magnification ring, doing so will cause problems with the variable magnification function.

MIL-DOT RETICLE



The Firefield 1-6x24 Riflescope uses a mil reticle. Mil stands for millradian. A millradian is 1/6283.2th of a circle or 3.438 MOA. The millradian represents one unit at 1000 yards. To simplify, a target that is one yard tall at 1000 yards would measure 1 milradian.

CALCULATION METHOD

In order to determine distance there are three variables: target size, mils read, and range. In order to determine distance, the target size must be known. By using the reticle, mils read can be determined and the following calculation can be used to derive an estimated distance.

Target size (in yards) x 1000/Mils read = yards to target

For example, a full size deer is approximately six feet long. Convert feet into yards, so the deer is 2 yards long. Now measure the deer with the mil-dot reticle; it is 4 mils long. Next, multiply the target size (2 yards) by the constant of 1000. This equals 2000. Now divide 2000 by mils read (4), this equals 500. So the deer is roughly 500 yards away.

OPERATING THE ILLUMINATED RETICLE

The Firefield 1-6x24 Riflescope features and illuminated reticle. Illuminating the reticle improves visual distinction between the target and the reticle in low/poor lighting conditions. The reticle can be used in the following states: black (off), green and red. Red and green illumination consists of five levels of brightness. In order to illuminate the reticle:

1. Rotate the reticle illumination adjustment (5) located on the left side of the riflescope.
2. Turn the adjustment dial to the desired brightness level until the reticle stands out against the target.

NOTE: Settings 1-3 are intended for use in low lighting conditions. Settings 4 and 5 are intended for use in bright light conditions.

DIOPTER ADJUSTMENT

The diopter is the measurement of the eye's curvature. Firefield 1-6x24 riflescope has a diopter adjustment (4) that helps attain a clear sharp reticle. If the reticle does not appear clear, crisp, or sharp, rotate the diopter adjustment ring until the reticle becomes clear and sharp. The adjustment should stay the same unless the riflescope's operator changes.

REPLACING THE BATTERY

If the reticle appears dim or fails to illuminate, the battery needs to be replaced. The Firefield 1-6x24 Riflescope uses a CR2032 to illuminate its reticle. Three volt CR2032 batteries can be purchased at stores where batteries are sold or online. In order to replace the battery:

1) Remove the battery cap located on the reticle illumination adjustment (5) with a flat head screw driver. Rotate the cap counterclockwise until it is removed. It might be necessary to hold the illumination adjustment in place to prevent it from rotating.
2) Remove the old battery and insert a new battery with positive (+) side up.
4) Replace the battery cap. Use a flat head screw driver, rotate the cap clockwise until it is attached. It might be necessary to hold the illumination adjustment in place to prevent it from rotating.
5) Check that the reticle illumination is now functioning properly.

MAINTENANCE

Proper maintenance of the riflescope is recommended to ensure longevity. It is recommended that when the riflescope becomes dirty that 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. No further maintenance is required. Not following instructions can cause damage to the unit and void the warranty.

WARNING

The Firefield riflescopes are nitrogen purged and o-ring sealed unless otherwise noted. DO NOT disassemble the riflescope for any reason as this will void the warranty and could be hazardous. Any internal work should be handled by the manufacturer. Any tampering with the purge screw (6) will void the warranty.

TROUBLESHOOTING

Never ship back a riflescope without getting proper authorization beforehand. Doing so could result in losing the riflescope due to a multitude of reasons, i.e. sending it to the wrong address and other problems associated with unexpected packages.

1) Check the firearm's mount that it is securely attached. Also, verify the riflescope is mounted securely to the rifle. If there is any shifting, retighten the mounting system according to the mounting instructions, but do not overtighten.

2) When test firing a rifle to check the point of impact relative to the windage and elevation adjustments, firing from a shooting rest will help eliminate shifting during firing.

3) Be sure to use factory-loaded ammunition of the same bullet type, weight, and preferably, lot number when sighting in the riflescope.

FIREFIELD WARRANTY

Please visit www.fire-field.com for warranty details and information.

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