



IMPACT REFLEX SIGHTS

USER MANUAL



**FF26022
IMPACT**



**FF26023
IMPACT DUO**

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. YTHING®

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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IMPACT REFLEX SIGHTS

Allowing shooters to engage their targets with both-eyes-open at close range, the Firefield Impact Reflex Sight is ideal for use on MSR platforms and shotguns. While many shooters customize their guns, Firefield Impact Reflex Sights are also customizable with multiple reticles and allow easy brightness level changes with digital switch brightness controls. Helping shooters stay aware of their surroundings, a wide angle lens permits a wide field of view and makes the reticle easier for the eye to pick up. 20-200 hours of battery life is achieved from a common CR2032 and is easily changed through the Impact's quick access battery compartment. The Impact's durable design makes it shockproof and an aluminum/polymer construction helps give the sight its IP55 water resistant rating.

www.firefield.eu

SPECIFICATIONS

Technical Specifications	FF26022	FF26023
Reticle type	4 pattern	4 pattern
Reticle color	Red	Red
Magnification, x	1x	1x
Objective lens, mm	33 x 23	31 x 22
Eye relief	unlimited	unlimited
Parallax setting	25 yd / 23 m	25 yd / 23 m
Adjustment value (one click=MOA)	1	1
Battery type	CR2032	CR2
Battery life, hrs	NA	25 - 40
Dimensions, in/mm	3.03 x 1.37 x 2.08 in / 77 x 35 x 53 mm	3.46 x 2.04 x 2 in / 88 x 52 x 51 mm
Weight	4.7 oz / 133 gr	5.6 oz / 159 gr

Laser Specifications	FF26023
Laser wavelength (nm)	632-650
Laser type	Red, Class IIIA
Laser output power (mW)	≤ 5
Dot size (in@50yds)	1

FEATURES

FF26022

- Digital switch brightness controls
- Quick access battery compartment
- Multiple reticles
- Parallax corrected
- Unlimited eye relief
- Shockproof

FF26023

- Digital switch brightness controls
- Multiple reticles
- Parallax corrected
- Unlimited eye relief
- Shockproof
- Integrated red laser sight

INCLUDED ACCESSORIES

- Lens cover
- Adjustment tool
- Battery

FF 26022 DIAGRAM

1. Objective lens
2. On / off switch
3. Windage adjustments
4. Elevation adjustments
5. Battery cap
6. Mounting screws
7. Crossbolt
8. Aperture
9. Reticle selection knob



FF 26023 DIAGRAM

1. Objective lens
2. Reticle on / off switch, brightness control
3. Windage adjustments
4. Elevation adjustments
5. Battery cap
6. Mounting screws
7. Crossbolt
8. Aperture
9. Reticle selection knob
10. Laser aperture
11. Laser on/off



IMPACT REFLEX SIGHT BATTERY INSTALLATION

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

1. Pull out the battery cap (5) located on the right side of the unit.
2. Remove the old battery by using a small flathead screwdriver.
3. Insert the new battery with the positive (+) side facing up.
4. Insert the battery cap back into the side of the unit.



OPERATING THE ON/OFF SWITCH

In order to activate the Firefield Impact:

1. Locate the on/off switch (2) on top of the unit.
2. Press the top of the digital switch marked “+” to turn on the unit.
3. To change brightness of the reticle use the “+” and “-” buttons.
4. To turn off, press and hold the top button marked “+” for three seconds.

Note: The Impact plus has a 1 hour shutoff. This helps preserve battery life if the unit is accidentally activated. If the sight turns off after one hour of use, press the digital switch to activate the unit.

IMPACT DUO REFLEX SIGHT BATTERY INSTALLATION

The Firefield Impact Duo Reflex Sight is powered by a CR2 battery. Should the reticle or laser grow dim or not illuminate, the battery needs to be replaced. To install a new battery:

1. Unscrew the battery cap (5) located on the right side of the unit.
2. Remove the old battery.
3. Insert the new battery with the positive (+) side facing up.
4. Screw the battery cap back on..



OPERATING THE ON/OFF SWITCH

In order to activate the Firefield Impact Duo:

1. Locate the on/off switch (2) on top of the unit.
2. Press the digital switch marked with the Firefield logo.
3. To change brightness of the reticle press the switch consecutive times.
4. To turn off, press and hold the button marked for three seconds.

Note: The Impact Duo has a 1 hour shutoff. This helps preserve battery life if the unit is accidentally activated. If the sight turns off after one hour of use, press the digital switch to activate the unit.

OPERATING THE LASER

In order to activate the Firefield Impact Duo's red laser:

1. Locate the on/off switch (11) on the side of the unit.
2. Press the digital switch until a click is heard and felt, the laser will activate.
3. To turn off, press the digital switch until a click is heard and felt. The laser will turn off.

The laser does not have windage and elevation adjustments. It is designed to offset the reticle's aiming point by 2 to 3" at 25 metres.



MOUNTING

The Firefield Impact includes an integrated rail that fits standard weaver and picatinny rails. For safety reasons, allow at least 3 inches of clearance between the end of the Impact Plus and your eye when shooting.

To mount:

1. Loosen the two mounting screws (6) on the side of the sight.
2. Place the unit on your firearm rail with the objective lens (1) facing towards the muzzle.
3. Confirm the sight is sitting flat on top of the rail and that the crossbolt (7) is located between the grooves on the rail.
4. When the sight is in place, tighten each mounting screw evenly with the included hex key. Tighten to 55 to 65 in/lbs of torque.

OPERATING THE WINDAGE AND ELEVATION ADJUSTMENTS

In order to make windage and elevation adjustments (3, 4) the included allen wrench is needed. "UP" and "R" (right) are marked on the sight for adjustment reference. Rotate the adjustment with the allen wrench as needed to adjust the reticle to the point of impact. The windage and elevation adjustments are 1 MOA, meaning that 1 click moves the point of impact 1 inch at 100 yards (2.91 cm at 100 m), 1/2" at 50 yards (1,45 cm at 50 m), and 1/4" at 25 yards (0,73 cm at 25 m).

In order to make windage and elevation adjustments:

1. Use the included hex tool to make adjustments or "clicks".
2. Turn the adjustments in the appropriate direction needed to change the point-of-impact as indicated by the "UP" and "R" (left) arrows marked on the adjustments.

3. For elevation adjustment, turn the adjustment counter-clockwise to adjust the bullet's point of impact up. Turn the adjustment clockwise to adjust the bullet's point of impact down. For windage adjustments, turn the adjustment clockwise to adjust the bullet's point of impact right. Turn the adjustment counter-clockwise to adjust the bullet's point of impact left.

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. Below is listed the traditional method of boresighting and works best when the unit is mounted on a rest.

1. When mounting the sight 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 sight. 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 reflex sight until the reticle is centered on the bull's-eye.

To verify the sight is accurately sighted in, always fire a three-shot test group at 50 or 100 metres preferably using the same ammo manufacturer, grain, and lot number.

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

5. Again, fire a three-shot test group to confirm the adjustments. Use the center of the new group to determine final adjustments.

MAINTENANCE

Proper maintenance of the Firefield Impact Reflex Sight is recommended to ensure longevity. It is recommended that when the sight 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. To remove oils or dried water spots off the lens or laser's aperture lens, apply a small amount of denatured 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.

STORAGE

Make sure that your Firefield Impact Reflex Sight is securely attached to your rifle before storing, and be sure that the unit is turned off. Cover with the included neoprene cover. Remove the batteries if the unit will be stored for an extended period of time.

WARNING

Before handling the Firefield Impact read and understand the contents of your firearm's manual, and the Firefield reflex sight 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 reflex sight. 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.

- The reflex sight should be tested during periods of non-use to make sure it is still operating properly.
- NEVER point the laser sight directly at, or into, an eye. This may cause damage to the eye, or blindness.
- Avoid looking directly into the laser.
- Avoid shining the laser into mirrors or other reflective surfaces.

CAUTION-USE OF CONTROLS OR ADJUSTMENT OR PERFORMANCE OF PROCEDURES OTHER THAN THOSE SPECIFIED HEREIN MAY RESULT IN HAZARDOUS RADIATION EXPOSURE.

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.

The sight does not hold zero:

1. Verify the sight is mounted securely to the rifle. If the sight can be shifted in any direction, retighten the mounting according to the mounting instructions but do not over tighten. The sight will need to be re-zeroed afterwards.
2. Be sure to use factory-loaded ammunition of the same bullet type, weight, and, preferably lot number when sighting in.

The reticle or laser 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. If you are near-sighted and typically wear corrective lenses (contacts or glasses) they will need to be used when shooting with a reflex or red dot sight. These optical devices are designed where the reticle is on a focal plane that is set to 25 to 50 yards. To your eye this is the same as looking at an object at that distance, and without corrective vision the object would appear blurry.
2. Decrease the brightness level of the reticle. The halo or fuzzy appearance may be caused by excess illumination than is required for the current environment the sight is being used in.
3. Make sure the objective lens and aperture are clean and do not have any film, fingerprints, or debris covering the surface. Blow off any debris or dirt covering the lens. Use a lens cloth or cotton swab dipped in alcohol to remove any film or fingerprints.
4. If you are testing the product at a close range, 5 yards or less, to verify its on/off operation the eye will accommodate and focus either on the sight's reticle or the target you are observing not both. Test the product beyond 5 yards and focus your eye on the target, then the reticle and target should be in focus.
5. If you are using the sight with a magnifier, the reticle will appear slightly fuzzy. This is not a defect reflex/red dots, but a performance limitation of the sight's single lens system.

The reticle or laser turns off while firing:

1. The spring contact under the battery cap may also be pulled up slightly in order to increase tautness so contact is ensured.

FIREFIELD WARRANTY

Please visit www.firefield.eu for warranty details and information.

Manufactures by Sellmark:
2201 Heritage Parkway, Mansfield, TX 76063



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