



IMPULSE RED DOT SIGHTS

USER MANUAL



1x28 DOT SIGHT
FF26026

1x28 W/RED LASER
FF26027

1x22 DOT SIGHT
FF26028

1x22 W/RED LASER
FF26029
FF26029EU

The Firefield™ brand has recently launched with 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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IMPULSE RED DOT SIGHT SERIES

Firefield Impulse Red Dot Sights prove big things do come in small packages. Perfect for rifles and shotguns, these lightweight and compact red dots give shooters an edge in close-range shooting scenarios with red and green illuminated reticles and optional integrated red laser. A functional and appealing cantilever mount design allows complete compatibility with magnifiers and backup sights, while an aluminum construction offers rugged durability in the form of shockproof, fog proof and IPX5 weatherproof ratings. When ultra-quick target acquisition is a must, Firefield Impulse Red Dots put you in the driver's seat on the road to Victory.



SPECIFICATIONS

Technical Specifications	FF26026	FF26027
Reticle type	Circle Dot	Circle Dot
Reticle color	Red	Red
Magnification, x	1	1
Objective lens, mm	28	28
Max elevation adjustment Range (MOA)	120	120
Max windage adjustment range (MOA)	120	120
Adjustment value (one click=MOA)	1/2	1/2
Battery type	AAA	AAA
Battery life, hrs	1000	1000
Dimensions, in/mm	3.6 x 2 x 2.04 / 142 x 60 x 73	3.6 x 2.5 x 2.1 / 142 x 60 x 73
Weight, oz/g	9.6 / 272	10.9 / 309

SPECIFICATIONS

Technical Specifications	FF26028	FF26029 / FF26029EU
Reticle type	Circle Dot	Circle Dot
Reticle color	Red and Green	Red and Green
Magnification, x	1	1
Objective lens, mm	22	22
Max elevation adjustment Range (MOA)	120	120
Max windage adjustment range (MOA)	120	120
Adjustment value (one click=MOA)	1	1
Battery type	CR2032	AAA
Battery life, hrs	240	170
Dimensions, in/mm	3.6 x 2 x 2.04 / 90 x 58 x 71	3.6 x 2.5 x 2.1 / 90 x 58 x 71
Weight, oz/g	7.5 / 212	8.6 / 243

LASER SPECIFICATIONS

Technical Specifications	FF26027	FF26029	FF26029EU
Laser wavelength (nm)	632-650	632-650	632-650
Laser type	Red, Class IIIA	Red, Class IIIA	Red, Class II
Laser output power (mW)	< 5	< 5	< 1
Dot size (in @ 100yds)	1.5	1.5	1.5
Battery type	AAA	AAA	AAA
Battery life (hours)	14.2	14.2	14.2

FEATURES

FF26026/FF26027

- Red reticle illumination
- Parallax corrected optical system
- Lightweight and durable
- Cantilever mount design
- AAA battery
- Hand adjustable windage and elevation
- Water resistant
- Flip up caps

FF26028/FF26029/FF26029EU

- Red and green reticle illumination
- Parallax corrected optical system
- Lightweight and durable
- Compact design
- CR2032 battery - FF26028
- AAA battery - FF26029 and FF26029EU
- Hand adjustable windage and elevation
- Water resistant
- Flip up caps

DIAGRAM

1. Objective lens
2. Eyepiece
3. On/off switch
4. Laser on/off switch
5. Mounting screw
6. Elevation/ windage adjustment
7. Battery cap
8. Lens covers





INSTALLATION

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

1. The Red Dot Sight comes with a weaver/picatinny mount.
2. Unload the weapon. Remove the bolt/firing pin to ensure the weapon is incapable of firing.
3. Install the red dot sight onto a Weaver or picatinny base. Tighten the mounting screw (5) between 45 - 65 inch pounds (5-7 Nm) of torque.
4. Once the alignment is checked, tighten the mounting screw. Take care not to over tighten the screw.
5. Ensure the red dot sight provides the desired eye relief by moving the weapon into the shooting position.
6. Check that the red dot sight is evenly mounted, and boresight the sight.

BORESIGHTING THE RED DOT SIGHT

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

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

To verify the red dot sight is accurately sighted in, always fire a three-shot test group at 100 meters.

4. If you are still off center, 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

In order to make windage and elevation adjustments:

1. Remove the caps covering the windage and elevation adjustments (6) .
2. The windage and elevation adjustments for FF26026 and FF26027 are 1/2 MOA, meaning that 1 click moves the point of impact 1/2inch at 100 yards (1,45cm at 100 meters).

The windage and elevation adjustments for FF26028, FF26029 and FF26029EU are 1 MOA, meaning that 1 click moves the point of impact 1inch at 100 yards (2,91cm at 100 meters, or 1,45cm at 50m).

FF26028, FF26029 and FF26029EU will require a flathead screwdriver to adjust windage and elevation. Adjustments can be both felt and heard allowing the shooter to make adjustments without looking at the dials.

3. Once adjustments are complete, screw the windage and elevation caps onto the adjustments.



INSTALLING THE BATTERY

The Firefield Impulse 1x28 Red Dot (FF26026), Firefield Impulse 1x28 Red Dot with red laser (FF26027), and Firefield Impulse 1x22 Red dot with laser (FF26029 and FF26029EU) are powered by 1 AAA. The Firefield Impulse 1x22 Red dot (FF26028) is powered by 1 CR2032. 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 (7) counterclockwise.
2. Remove the battery.
3. Insert new batteries with the positive (+) side facing up.
4. Screw the battery cap clockwise. Do not over tighten.

OPERATING THE ON/OFF SWITCH

FF26026, FF26027, FF26028:

In order to activate the red dot sight:

1. Locate the on/off switch (3).
2. Rotate the adjustment switch to the desired illumination setting of 1 through 5.
3. After use, turn the switch to the off position marked by "0".

FF26029, FF26029EU:

In order to activate the red dot sight:

1. Locate the Up Down arrow buttons.
2. Press up or down to adjust brightness.
3. Hold up to switch reticle color.
4. Hold down to shut off illuminated reticle.



OPERATING THE SIDE-MOUNTED LASER

The built in 5mW red laser (1mW red laser - FF26029EU) is used for target acquisition in close range, rapid changing environments. The laser has built-in windage and elevation adjustments (6) that allow the laser to be accurately sighted in with your rifle. To operate the laser:

1. Locate the red laser on/off switch (4).
2. Push the button located on the back of the switch to turn the laser on.
3. Push the button again to turn the laser off.

Warning: **NEVER** point the laser designator directly at, or into, someone's 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.

Note: due to visual restrictions of 5mW red lasers at greater distances in daylight, the most effective application is for close range/ CQB scenarios. Shooters should evaluate the recurrent range targets are acquired in their scenarios and sight the laser to their firearm's point of impact at that range.



MAINTENANCE

Proper maintenance of the red dot sight 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.

WARNING

Do **NOT** disassemble the red dot sight for any reason, as this will void the warranty and could be hazardous. Any internal work should be handled by the manufacturer. **CAUTION:** Use of controls or adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure.

Class 3a (<5mW/cm²)



FF26027 and FF26029

Class 2 (<1mW/cm²)



FF26029EU

TROUBLESHOOTING

Never ship back a product 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 that the firearm's mount is securely attached. Also, verify the red dot sight is mounted securely to the rifle. If there is any shifting, retighten the mounting system according to the mounting instructions but do not over tighten.
2. When test firing a rifle to check the point of impact relative to 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 red dot sight.

FIREFIELD WARRANTY

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

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