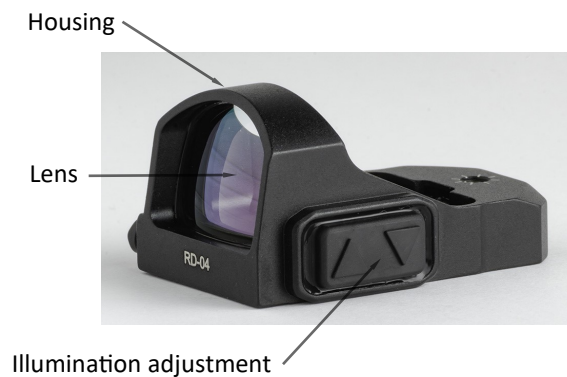


XOPTEK™ Micro Reflex Sight

Description

The **XOPTEK™** Micro Reflex Sight is designed as a lightweight rapid aiming device for pistols and carbines and as an auxiliary sight for long range magnified optical sights. In operation, the sight projects a brilliantly illuminated red dot into the users field of view to act as a precise aiming point for close to mid-range targets.



Specifications

Magnification	1.0x +/- 5%
Parallax	less than 1MoA
Transmittance	75%
Aiming point size	4 MoA (Model RD-04) , 6 MoA (Model RD-06)
Reticle adjustment range	60 MoA
Precision for re-clamp	less than 0.5MoA (Picatinny Rail Model)
Dot color	Red
Battery	CR2032
Battery life (average)	34,000 hours (setting 5)
Waterproof	1 meter
Dimensions	Length 46 mm Width 38 mm Height 25 mm from top of mount base
Weight (with battery)	37 g (without mounting plate and screws)

Installation

XOPTEK™ Micro Reflex Sights may be delivered with a variety of mounting plates to accommodate various applications.

XOPTEK™ Micro Reflex Sights with Mount for *SpecterDR®*

- 1) The *SpecterDR®* mounting plate is attached to the bottom of the Micro Reflex Sight by means of two Torx® head screws that are visible from the top surface of the sight. Using the enclosed Torx® wrench, remove the mounting plate from the bottom of the Micro Reflex Sight by turning the screws counter-clockwise until the baseplate detaches from the sight. Be careful not to lose the screws that attach the sight to the mounting plate or the two slotted-head screws that are necessary to mount the mounting plate to the *SpecterDR®* sight.



- 2) Using a 1.5mm allen wrench (not included) remove the plug screws from the auxiliary sight mounting holes on the top surface of the *SpecterDR®* sight body.



SpecterDR® mounting holes



With plug screws removed

- 3) Using a small flat-blade screwdriver, attach the mounting plate to the top of the *SpecterDR*® using the supplied slotted-head screws. Snug the screws in an alternate fashion, rather than fully tightening one before the other. Ensure that the mounting plate is sitting flat on the top flat surface of the *SpecterDR*®. Fully tighten screws.



- 4) Re-attach the Micro Reflex Sight to the top of the mounting plate using the two Torx® head screws.



XOPTEK™ Micro Reflex Sights with Picatinny Mount

- 1) The Picatinny mounting plate is attached to the bottom of the Micro Reflex Sight by means of two Torx® head screws that are visible from the top surface of the sight. Using the included Torx® wrench, ensure the mounting screws are tight. Approximately 12-13 inch-lbs torque is appropriate.



- 2) Using the supplied Torx® wrench, turn the cross shaft screw head a number of turns counter-clockwise to release the clamp foot, ensuring there is a wide enough opening for the mount to slip over the edges of the Picatinny rail. Don't loosen the clamp foot too much or it will become unthreaded from the cross shaft and you will risk losing it or the compression springs contained by the clamp foot.

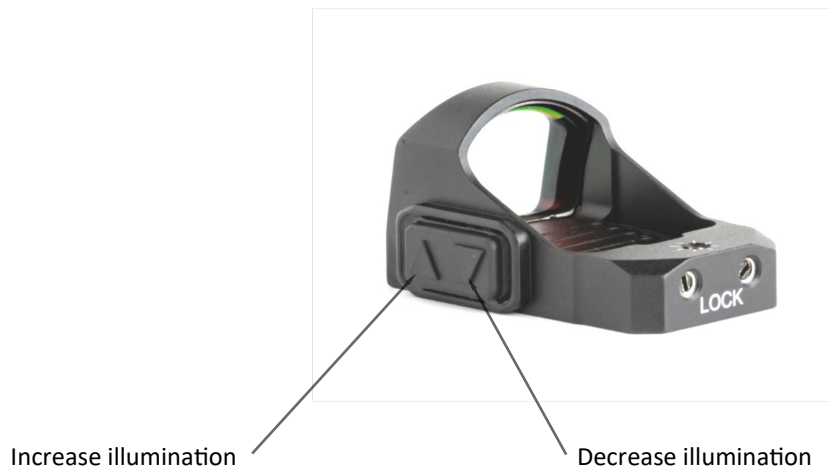


- 3) Install the mounting plate on the Picatinny rail, while making sure the cross-shaft of the mount seats in a corresponding groove, and that the bottom of the mount is seated flat on the top surface of the rail.
- 4) Push the mounting plate forward (toward the muzzle) to ensure that the cross shaft rests against the front edge of the groove. This will prevent potential positional shift due to recoil.
- 5) Tighten the clamp foot by turning the cross shaft clockwise.

Illumination

The **XOPTEK™** Micro Reflex Sight operates with a single CR2032 battery. The sight is delivered with a battery installed. The Battery compartment is located on the right side of the housing, covered by a plate secured by two Torx® head screws.

- 1) The red illuminated aiming dot may be set to one of ten intensity settings, by momentarily pressing the 'UP' (▲) or 'DOWN' (▼) arrows on the left side of the sight.
- 2) Pressing either of the illumination buttons will turn on the red aiming dot. The sight will always turn on at the same setting at which it was set when it last turned off.
- 3) The aiming dot illumination may be turned off by pressing the 'DOWN' (▼) arrow for three seconds.
- 4) The dot illumination will automatically turn off after 8 hours of inactivity (8 hours of not having dot illumination adjusted in brightness).



Zeroing

The concept of zeroing is to adjust the red aiming dot of the sight to be coincidental with the center of the group at a particular range. Remember that when zeroing, you are not really moving the group, but rather moving the aiming dot to coincide with the group. The following procedure is for rifle application.

- 1) Set up a target at 50 meters with a distinct and easy-to-see aiming point.
- 2) Using a secure rest, carefully fire a three-shot group.
- 3) Determine the center of the group, and measure both the horizontal and vertical distance from the group center to the center of the aiming point of the target. Record the measurements in millimeters.
- 4) Loosen the 'Lock' screws at the rear of the sight by turning them one-quarter turn counter-clockwise.



- 5) Correct the elevation of the group by adjusting the elevation screw at the top rear of the sight. If the group was below the aiming mark, you will need to turn the adjustment screw in the clockwise direction to correct. If the group formed above the aiming mark, you will need to adjust the elevation screw in the counter-clockwise direction. Using the slot in the adjustment screw head as a reference, estimate the number of graduations you'll need to turn the elevation screw. At 50 meters, each graduation line (i.e.: tick mark) of the Elevation adjustment scale represents 17.5mm on the target face.



Zeroing, continued

- 6) Using the screwdriver provided, correct the windage of the group by adjusting the windage screw at the right side rear of the sight. If the group was to the left of the aiming mark, you will need to turn the adjustment screw in the clockwise direction to correct. If the group formed to the right of the aiming mark, you will need to adjust the elevation screw in the counter-clockwise direction. Using the slot in the adjustment screw head as a reference, estimate the number of graduations you'll need to turn the elevation screw. At 50 meters, each graduation line (i.e.: tick mark) of the Elevation adjustment scale represents 17.5mm on the target face.



- 7) Once the adjustments are made, tighten the LOCK screws at the rear of the sight with the screwdriver provided.
- 8) Fire another 3-round group. If the center of the group does not form over the center of the aiming mark, repeat steps 3 through 7 to fine-tune the zero.

Changing the Battery

The **XOPTEK™** Micro Reflex Sight operates with a single CR2032 battery. The sight is delivered with a battery installed, and although the battery life is very long, it may become necessary at some point to change the battery.

It is an important feature of the **XOPTEK™** Micro Reflex Sight that the battery may be changed without removing the sight from the firearm and without having to re-zero the sight.

- 1) The Battery compartment is located on the right side of the housing, covered by a plate secured by two Torx® head screws.



Battery cover

- 2) Using the Torx® wrench supplied, remove the battery cover by turning the screws counter-clockwise.
- 3) Remove the old CR2032 battery and discard per local environmental regulations.
- 4) Insert a new CR2032 battery into the slot with the positive (+) side facing upward.



- 5) Replace the battery cover and tighten the Torx® head screws with the supplied Torx® wrench.



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