



VIPER[®]
RED DOT



PRODUCT MANUAL

The Viper® combines speed and simplicity in a tiny, powerful package. The 6 MOA dot diameter gets you on target fast.



Images are for representation only. Product may vary slightly from what is shown.

HOW TO USE THE VIPER® RED DOT

Protective Cover

Remove cover when using or adjusting your Viper®. Please note that installing the cover does NOT shut the Viper® off.



Battery

To install, place the battery in the circular slot with numbers facing outward. Attach the body to the base using the two attachment screws.



Powering Up

To turn the Viper® on, press either the up or down arrow. To turn off, press and hold the down arrow for five seconds.

Power On

Press the Up
or Down Arrow

Power Off

Press and hold
the Down Arrow



Brightness Adjustment

Adjust the illumination intensity using the appropriate arrow button:

- Tap the Up Arrow to increase brightness.
- Tap the Down Arrow to decrease brightness.

Windage and Elevation Adjustment

The Viper® features adjustable elevation and windage dials with 1 MOA marks.

Note: Windage and elevation adjustments are protected by two lock screws. Both must be loosened with the small screwdriver before either can be adjusted.



One dial mark yields one MOA of adjustment.
One MOA = 1.05 inches @100 yards.

To adjust the elevation and windage settings:

1. Loosen both Adjustment Lock Screws 1½ turns.
2. Adjust dials up or down or left or right as indicated by arrows.
3. Retighten both lock screws after making adjustments.

MOUNTING THE VIPER®

In addition to the supplied low rail mount, an optional riser mount places the Viper® at the correct height for AR-15 rifles.

Note: If your firearm is not already equipped with a base rail, buy one from one of many firearms dealers.



Optional riser mount
not included.

1. Attach the low rail mount to the Viper® using the included screws.
2. Attach the Viper® to the Picatinny base rail, making sure the recoil lug is solidly seated in the base groove.
3. Check to see that the clamp is fully down and hooked around the outside of the base.
4. Press the Viper® down and forward toward the muzzle and, using the supplied hex wrench, firmly tighten down the clamp screw.



SIGHTING IN

After mounting, an initial sight-in of the Viper® at 25 yards will be helpful. Final sight-in should be done at the desired distance (typically 25-50 yards).

1. Be sure the windage and elevation lock screws are tight before firing. Fire a three-shot group as precisely as possible at 25 yards.
 - Loosen the Windage and Elevation Adjustment Lock Screw before adjusting.
 - Using the center of the three-shot group as a reference, make the necessary adjustments for windage and elevation correction. Using arrows for reference, adjust dials in the direction you wish the group to move. At 25 yards, each dial mark will yield about $\frac{1}{4}$ inch of adjustment.
 - Retighten the Lock Screws.
2. Fire a three-shot group at final preferred sight-in distance (25-50 yards).
 - Loosen Windage and Elevation Lock Screws before adjusting.

- Using the center of the three-shot group as a reference, make necessary adjustments for windage and elevation correction. Using arrows for reference, adjust dials in the direction you wish the group to move. At 50 yards, each dial mark will yield about $\frac{1}{2}$ inch of adjustment.
 - After achieving satisfactory zero, retighten Lock Screws.
3. Fire a final three-shot group to confirm proper adjustment. Repeat as necessary.
 - Confirm that all mounting screws and lock screws are snug and tight.

MAINTENANCE

Cleaning

The Viper® will require very little routine maintenance other than periodically cleaning the exterior lenses. If desired, the exterior lens may be cleaned by wiping with a soft, dry cloth.

When cleaning the lenses, be sure to use products that are specifically designed for use on coated optical lenses such as the Vortex Lens Pen and Fog Free Cleaning Kits.

- Be sure to blow away any dust or grit on the lens prior to wiping the surface.
- Using your breath, or a very small amount of water or pure alcohol, can help remove stubborn things like dried water spots.

Troubleshooting

If the red dot does not illuminate, please check the following before returning for service:

- Is the battery oriented correctly? Be sure the battery is installed with the + side facing upwards.
- Is the battery dead? If so, replace the battery.



VIP WARRANTY

OUR UNCONDITIONAL PROMISE TO YOU.

We promise to repair or replace the product. Absolutely free.

- ▶ **Unlimited**
- ▶ **Unconditional**
- ▶ **Lifetime Warranty**

Learn more at VortexOptics.com
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Note: The VIP Warranty does not cover loss, theft, deliberate damage, or cosmetic damage not affecting product performance.

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