

**VENOM<sup>®</sup>**  
**RED DOT**





The Venom® Red Dot combines speed and simplicity in a tiny, powerful package. Choose your preferred dot diameter and get on target quickly and precisely.



Anti-reflective lens coating on lens surface for brighter views



ArmorTek® protects exterior lens from scratches, oil, and dirt.



Windage Adjustment Dial



O-ring sealed for waterproof performance.



Shockproof construction withstands impact.



## Protective Cover

Remove cover when using or adjusting Venom red dot.



## Battery

To install or replace the battery, remove the battery cover by rotating it counter-clockwise. Place the battery in the circular slot with numbers facing outward. Replace the battery cover and tighten until snug. Do not over tighten.





## Powering Up

To turn the Venom 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 Adjustments

The Venom red dot has two brightness modes, Auto and Manual. Auto mode will increase or decrease in brightness depending on the ambient lighting conditions. In auto mode, the unit will power down after 14 hours to save battery life. Manual mode is controlled by the up/down buttons and will not power down automatically.

- To engage Auto mode, press and hold up arrow until the dot flashes three times.
- To engage Manual mode, press and hold up arrow until the dot flashes two times.

## Windage and Elevation Adjustment

The Venom features adjustable elevation and windage dials with 1 MOA clicks.



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

To adjust the elevation and windage settings, turn the dials up or down or left or right as indicated by the arrows.



## MOUNTING THE VENOM

### Included Rail Mount

The Venom red dot is shipped from the factory with a low rail mount that clamps to a slotted spec base rail.

Note: If your firearm is not already equipped with a slotted base rail, this type of base may be purchased from many firearms dealers.



1. Attach the low rail mount to the Venom using the included screws.
2. Attach the Venom to the 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 Venom down and forward toward the muzzle and firmly tighten base clamp screw using large coin or flat blade screwdriver.

## Mounting Options

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



Check [www.vortexoptics.com](http://www.vortexoptics.com) for other mount options.



## SIGHTING IN

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

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 click will yield about  $\frac{1}{4}$  inch of adjustment.

Fire a three-shot group at final preferred sight-in distance (25-50 yards).

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 click will yield about  $\frac{1}{2}$  inch of adjustment.

Fire a final three-shot group to confirm proper adjustment. Repeat as necessary.



## MAINTENANCE

### Cleaning

The Venom red dot 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 the red dot 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

We build optics based on our commitment to your absolute satisfaction. That's why Vortex products are unconditionally guaranteed and we make this Very Important Promise to you—a Very Important Person.

Rest assured that in the event your optic becomes damaged or defective, Vortex Optics will repair or replace it at no charge to you. If we cannot repair your riflescope, we will replace it with a riflescope in perfect working order and in equal or better physical condition. Call Vortex Optics at 800-426-0048 for prompt, professional, and friendly service.



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Visit [www.vortexoptics.com](http://www.vortexoptics.com) for more information.  
Canadian customers may visit [www.vortexcanada.net](http://www.vortexcanada.net)  
for customer service information.

Note: The VIP Warranty does not cover loss, theft, deliberate damage, or cosmetic damage that does not hinder the performance of the product.

Dual Use: Shooting Tactical / Hunting





Manual #VMD-RD-16A

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