

VISM[®]
A DIVISION OF NcSTAR

**RED DOT WITH
INTEGRATED GREEN LASER
AND FLASHLIGHT**

US PATENT: D704,297

OWNER'S MANUAL

VISM Red Dot Sight with Integrated Green Laser and Flashlight

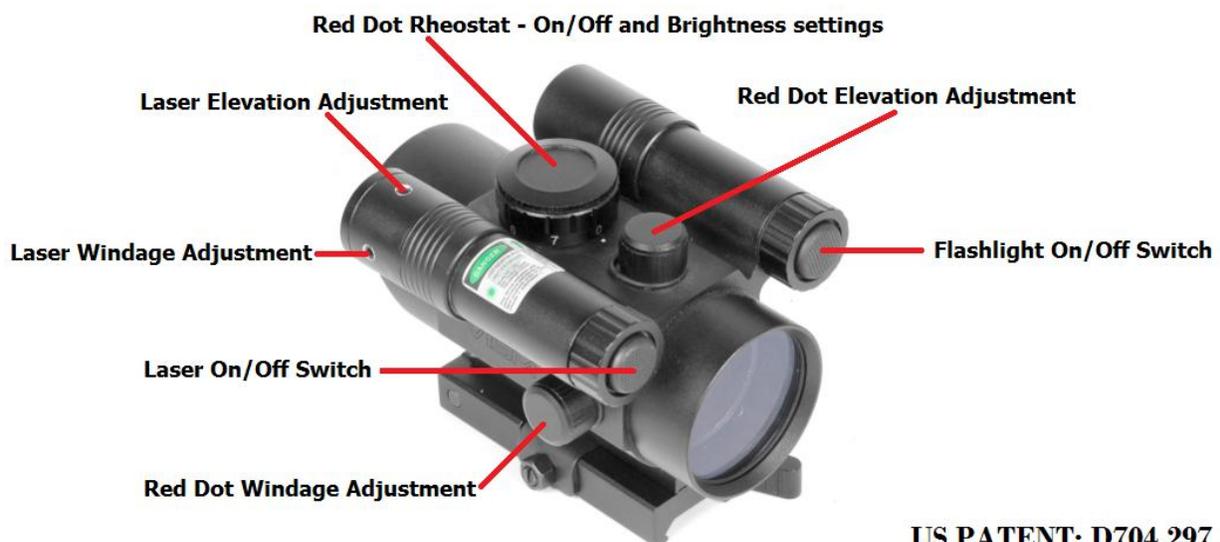
The Patented VISM VDFLG142 is a 42mm Red Dot optic with an integrated Green Laser & Flashlight and it is packed with many great features. The Red Dot is designed as the primary targeting system and the integrated Green Laser as a secondary targeting device. You can use the Red Dot or Green Laser individually or you have the option to use both the Red Dot and Green Laser at the same time. The Green Laser can be used for quick 'Point Shooting' with moving targets or quick target acquisition in low light conditions. The integrated Flashlight will allow you to illuminate and identify your target. The adjustable Quick Release Mount makes for easy mounting to nearly any Weaver/ Picatinny type rail.

Backed by America's Best Warranty, your VISM Optic will provide you with years of reliable service.

This Owner's Manual will help you understand all of the features of your new Dot Sight. Please follow all instructions carefully before initial use, to experience the best results.

Features:

- Red LED (Light Emitting diode) 100% safe for the eyes.
- Unlimited eye relief.
- Fully Adjustable Red Dot sight (Elevation & Windage).
- Seven brightness settings for Red Dot Sight.
- Fully Adjustable Green Laser sight (Elevation & Windage) with On/Off switch.
- Integrated Flashlight (110 Lumen) with On/Off switch.
- Ability to use Red Dot, Flashlight, or Green Laser Individually, or All Three at the same time.
- Built in Quick Release Mount for use with most Weaver style/ Picatinny type rails.
- Black anodized aluminum construction.
- US PATENT: D704,297





CAUTION: BE SURE THAT YOUR FIREARM IS UNLOADED AND POINTED IN A SAFE DIRECTION. PRACTICE SAFE FIREARM HANDLING PROCEDURES AT ALL TIMES.

CAUTION: CAREFULLY FOLLOW ALL OF THE MOUNTING PROCEDURES. FAILURE TO DO SO CAN CAUSE DAMAGE TO YOUR OPTIC OR FIREARM

Mounting Procedure

Your optic's mount is the link between your firearm and your optic. It is very important to have a solid connection between the two in order to ensure proper function of all components. VISM has made installation fast and easy for the VDFLG142 by incorporating a Quick Release Mount System. You should place your firearm on a secure platform, such as a gun vise, before performing any of the following procedures.

To mount the optic to a Weaver/ Picatinny/ MIL-STD 1913 type rail, move the Auto-Locking Latch located within the Quick Release Lever away from the pivot point and swing the Quick Release Lever to the forward (Open) position. Place the Quick Release Mount onto the optics rail, with the Recoil Lug placed into one of the cross slots on the optics rail. Move the Quick Release Lever rearward (Closed position) to secure/tighten the Quick Release Mount to the optics rail.

On the Left side of the Quick Release Mount is a Lock Nut and Allen Head Adjustment Screw. The Allen Head Adjustment Screw is used to adjust the rail mount tension. To adjust the rail mount tension, you must first loosen the Lock Nut Counter-Clockwise (⤵). Once the Lock Nut is loosened or removed, you can then use an Allen wrench to turn the Allen Head Adjustment Screw.

Turn the Allen Head Adjustment Screw Clockwise (⤴) to make the rail mount tension Tighter, turn the Allen Head Adjustment Screw Counter-Clockwise (⤵) to make the rail mount tension Looser.

To test the rail mount tension, open and close the Quick Release Lever while mounted on the optics rail. Make adjustments to the Allen Head Adjustment Screw until you get the proper rail tension. Once you have the rail mount tension properly adjusted, turn the Lock Nut Clockwise (⤴) to Lock the Allen Head Adjustment Screw in place.

CAUTION: It does not take a lot of force to get this unit mounted securely. Be certain not to over tighten the Slotted Rail Tension Adjustment Screw to avoid stripping the threads. Damage can also occur to Quick Release Lever if too much force is applied

Operation

The large round knob on Top of the Optic is the Rheostat knob, with the Numbers 0 through 7 printed around the circumference of the knob. The Rheostat knob is the On/Off switch and Brightness Level adjustment for the Red Dot reticle. There is a White Dot printed on top of the optic's body near the Rheostat knob, the White Dot is the Indicator Mark for the Rheostat Knob. The Red Dot optic will be in the Off position when the Rheostat Knob is dialed to the number 0. The numbers 1 - 7 are the different Brightness settings for the Red Dot reticle. With the number 1 being the dimmest brightness level and each higher number increasing the Brightness Level of the reticle, with the number 7 being the very brightest setting for the Red Dot reticle. After you are done using the optic, make sure that the Rheostat Knob is dialed to 0 (Off position), in order to preserve battery life when the optic is not in use.

The Green Laser and Flashlight each have their own On/Off switch located at the back of each unit. The Center Rubber Button will turn the Green Laser or Flashlight On/Off with each push of the button.

Zeroing Your Red Dot Sight

Adjusting Windage And Elevation:

Your VDFLG142 is equipped with Windage and Elevation turrets. The Elevation Turret is located on top of the Optic Body. First remove the cap on the Elevation Turret by turning it Counter-Clockwise (↺), keep the caps in a safe place. Use a flat head screwdriver or thin coin to make adjustments.

Turning the Elevation turret Counter-Clockwise (↺) moves the reticle Down (⇩), raising your Bullet impact Up (⇧).

Turning the Elevation turret Clockwise (↻) will move the reticle Up (⇧), lowering your Bullet impact Down (⇩).

The Windage Turret is located on the Left side of the Optic Body. First remove the cap on the Windage Turret by turning it Counter-Clockwise (↺), keep the caps in a safe place. Use a flat head screwdriver or thin coin to make adjustments.

Turning the Windage turret Counter-Clockwise (↺) will move the reticle to the Right (⇨), moving your Bullet impact to the Left (⇦).

Turning the Windage Turret Clockwise (↻) will move the Red Dot to the Left (⇦), moving your Bullet impact to the Right (⇨).

Replace the Elevation and Windage caps after you have made all necessary adjustments.

NOTE: Each click of adjustment changes the point of impact (where the bullet strikes the target). Each click will move the Red Dot by the amount shown on the chart below.

Windage/ Elevation inches of movement per click				
25 yards	50 yards	75 yards	100 yards	200 yards
1/4"	1/2"	3/4"	1"	2"

Sighting In Your Red Dot Sight:

We recommend the use of a bore sighting device to save time and ammunition when zeroing your sight. This device will help you get on paper much quicker. Follow all of the instructions set by the manufacturer of your bore sighting device very carefully. Once you have achieved a relative zero by way of bore sighting, it is still necessary to shoot your firearm to ensure an accurate zero.

CAUTION: Always be sure to remove the bore sighting device before from your firearm before shooting live ammunition. Failure to do so can result in damage to your firearm, or injury to yourself and those around you.

With some firearms it may not be possible to use a bore sighting device. In this case it will be necessary to use a more traditional method of zeroing.

WHEN OPERATING ANY TYPE OF FIREARM ALWAYS USE PROPER EYE AND EAR PROTECTION. BE SURE TO USE YOUR FIREARM IN AN AREA THAT IS PERMISSIBLE UNDER LOCAL, STATE, AND FEDERAL LAW.

1. Secure your firearm using a steady platform such as a rifle bench rest or sand bags.
2. Fire 3 to 5 carefully aimed shots at a target that is set to your desired Zeroing distance (50 yards is recommended).
3. Observe where the bullet grouping has struck the target and make adjustments to the Elevation and Windage settings as necessary until your point of aim matches your point of impact.
4. Continue with this process until you have achieved your desired level of accuracy.
5. Your optic is now Zeroed to your firearm at the distance that you have chosen.

Zeroing Your Laser Sight

Adjusting Windage And Elevation:

The integrated Green Laser Sight on your VDFLG142 is adjustable for both Windage and Elevation. The Green Laser Windage Adjuster (Left side) and Elevation Adjuster (Top side) are both found on the front of the Green Laser Housing, and can be adjusted using the provided Allen wrench.

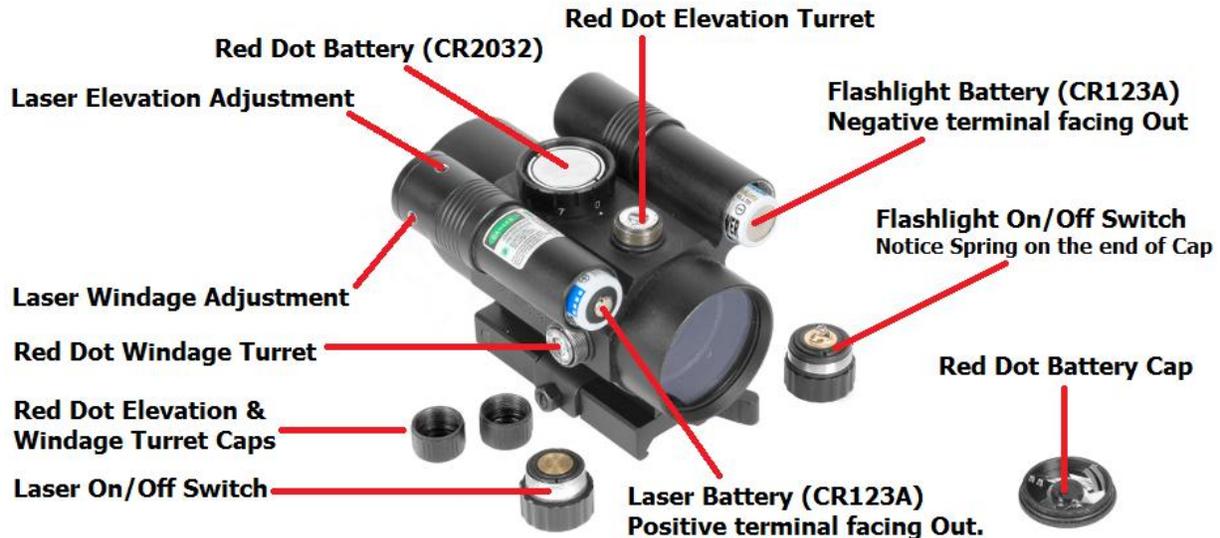
To adjust the Elevation Up (↑), turn the Laser Elevation Adjuster Counter-Clockwise (↺).

To adjust the Elevation Down (↓) turn the Laser Elevation Adjuster Clockwise (↻).

To adjust the Windage Left (⇐), turn the Laser Windage Adjuster Counter-Clockwise (↺).

To adjust the Windage Right (⇒) turn the Laser Windage Adjuster Clockwise (↻).

NOTE: For sighting in your Laser Sight, please use the instructions above titled **SIGHTING IN YOUR RED DOT SIGHT.**



Battery Installation

Your Red Dot Optic comes ready to use with a pre-installed battery. If the battery life expires or your Red Dot reticle no longer illuminates, follow these simple instructions:

1. The Battery compartment is located within the Rheostat Knob.
2. On the top of the Rheostat Knob you will notice a thin Battery Cap. To remove this cap, grasp it firmly with one hand and twist it Counter-Clockwise (⤿) while holding the Rheostat Knob firmly in place with the other hand.
3. Remove the old battery and dispose of it properly. Replace it with a new 3 volt Lithium Battery type CR2032 only. Place the Battery in the Battery compartment with the Positive “+” terminal facing out.
4. Twist the Battery Cap Clockwise (⤿) back onto the Rheostat Knob and hand tighten. Avoid using tools (such as pliers) to perform this procedure as this may cause damage to the unit.

The Green Laser and the Flashlight each use a 3 Volt Lithium CR123A Battery. At the rear of each unit, you will find a push button On/Off Switch Cap. Turn the Switch Cap Counter-Clockwise(⤿) to remove it from their respectable bodies.

- The **Green Laser Switch Cap** will not have a spring at the end of the Switch, it will be smooth. The CR123A battery is inserted into the Green Laser Body with the Positive Terminal “+” facing Out.
- The **Flashlight Switch Cap** will have a spring at the end of the Switch. The CR123A battery is inserted into the Flashlight Body with the Positive Terminal “+” going In. The Negative Terminal “-“ facing out.

Turn the Switch Caps in Clockwise (⤿) into each of their respectable bodies until the Cap switch is flush with the Body.

Care And Maintenance

Your VISM Dot Sight is a factory sealed unit, please do not attempt to take it apart or clean it internally. The exposed optical lens surfaces will perform their best if they are routinely cleaned with a lens brush and the lens cloth provided with your sight. For a deep cleaning, you can also use high quality camera lens paper and camera lens cleaning solutions. Never use any other type of materials or solvents other than those designed specifically for optical lenses to avoid damaging your sight. Clean the outer edge of the lens cavity first with cotton swabs, clearing as much debris and dust as possible. Then, gently clean the lenses using a circular motion starting in the center and ending at the edges. Do not rub the lenses continually; simply wipe in small circular patterns. Maintain the exterior surfaces of the optic by removing dirt or sand by using a soft brush or a soft dry cloth. You can also use a silicone treated cloth to restore luster of the optics body and protect the optic against corrosion. Be careful not to touch any of the lenses with the silicone cloth. When not in use, always store your sight in a dry place with lens covers on to prevent scratches to the lenses.

If you are not sure about any of the procedures in this manual, always seek the help of a qualified professional to avoid damage to your Red Dot and your firearm.

Specifications:

Red Dot:

- Objective Lens Diameter: 42mm
- Reticle: Red Dot
- Dot Size: 3 MOA
- Click Value: 1 MOA
- Magnification: 1X
- Lens Coating: Ruby
- Length: 4.75"
- Width: 3.34"
- Height: 3.25"
- Weight: 15.5oz.
- QR Mount Length: 3"
- Operating Voltage: 3V DC
- Battery Type: CR2032 Lithium
- US PATENT: D704,297

Green Laser:

- Laser Class: Class IIIa
- Wavelength: 532 nm (Green)
- Maximum Output Power: <5mW
- Line Width: <0.1 nm
- Beam Divergence: <1mrad
- Beam Diameter: <1 mm
- Operation Current: <300mA
- Operating Temperature: 59 – 95 degrees Fahrenheit
- Operating Voltage: 3V DC
- Battery type: CR123A Lithium

Flashlight:

- LED Type: 1 Watt Bright LED
- LED Peak Output: 110 Lumens
- Operating Voltage: 3V DC
- Battery type: CR123A Lithium



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