



**COMPACT 30mm RED & GREEN DOT
OPTIC WITH CANTILEVER MOUNT**

INSTRUCTIONS

Compact 30mm Red & Green Dot Optic with Cantilever Mount

Item# DMRG130

- ❖ **PLEASE FOLLOW ALL OF THE DIRECTIONS IN THIS MANUAL CAREFULLY.**
- ❖ **CAUTION: ALWAYS PRACTICE SAFE FIREARMS HANDLING!**
- ❖ **BE SURE THAT THE FIREARM IS UNLOADED BEFORE PERFORMING ANY OF THE FOLLOWING PROCEDURES!**
- ❖ **BE SURE THAT THE FIREARM IS POINTED IN A SAFE DIRECTION AT ALL TIMES!**

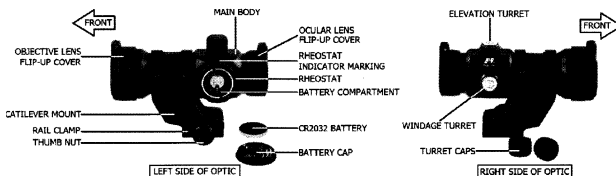
The DMRG130 is a 30mm Red & Green Dot optic with an included Cantilever Mount. This compact sighting system will allow a shooter to engage targets very quickly and accurately at close ranges. This 30mm Cantilever Mount will mount onto nearly any Weaver style or Picatinny rail. This Optic is also backed by our NcSTAR Lifetime Limited Warranty. We trust that you will receive many years of enjoyment and service from your new Compact Red & Green Dot optical system.

- ❖ **For optimum performance, please follow all of the procedures in this Owner's Manual very carefully.**

FEATURES:

- Unlimited eye relief.
- Compact Optic Design.
- Black anodized aluminum construction.
- Fully Adjustable Red/Green Dot (Elevation & Windage).
- Five brightness settings each for the Red or Green Dots.

- 30mm Cantilever Weaver Style Mount for use with most Weaver style or Picatinny rails.
- Red and Green LED (Light Emitting Diode) 100% safe for the eyes.



SPECIFICATIONS:

- Length: 4.46"
- Width: 2.25"
- Height: 2.9"
- Weight: 7.3 oz.
- Objective Lens Diameter: 30mm
- Magnification: 1X
- Reticle: Red or Green Dot
- Dot Size: 3 MOA
- Click Value: 1/2 MOA
- Lens Coating: Platinum
- Battery Type: CR2032

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 the components. NcSTAR has made installation easy for the DMRG130 by including a 30mm Cantilever Weaver style mount with the optic. You should place your firearm on a secure platform, such as a gun vise, before performing any of the following procedures.

- ❖ **CAUTION: CAREFULLY FOLLOW ALL OF THE MOUNTING PROCEDURES. FAILURE TO DO SO CAN CAUSE DAMAGE TO YOUR SIGHT OR FIREARM**
- ❖ **CAUTION: BE SURE THAT YOUR FIREARM IS UNLOADED AND POINTED IN A SAFE DIRECTION. PRACTICE SAFE FIREARM HANDLING PROCEDURES AT ALL TIMES.**

1. Begin by loosening the *Thumb Nut* on the side of the mount. Using your thumb, a flat head screw driver, or coin turn the *Thumb Nut* on the Mount counter-clockwise to loosen *Rail Clamp* from the mount.
2. After loosening *Thumb Nut*, pull the *Rail Clamp* away from the side of the mount. This will allow you place the 30mm *Cantilever Mount* directly onto the optics rail of your firearm. Seat the Red/Green Dot sight and *Cantilever Mount* onto the top of your firearm's optics rail, with the objective lens (Platinum coated lens) facing in the same direction as the muzzle. Make sure that the Mount Bolt on the bottom of the Mount fits securely into a cross slot on your firearm's optics rail. Once you have your sight and mount positioned properly, turn the *Thumb Nut* clockwise until the *Rail Clamp* secures the Red/Green Dot sight onto the firearm's optics rail.
3. You have now successfully mounted your sight.

OPERATION

The *Rheostat Knob* performs a number of functions. The *Rheostat Indicator Marking* is printed and located on the top of the optic's *Main Body* with a White Dot.

There are Numbers printed on the *Rheostat Knob*.

- The *Rheostat Knob* is the ON/OFF switch for both the Red and Green Dots. The Red and Green Dots will turn OFF when the *Rheostat Knob* is set to the Number "0" .
- The Numbers "1-5" are the different brightness settings for each of the Red or Green Dots, in which "1" is the dimmest setting and the higher numbers increases the brightness level of the Red/Green Dots. Number "5" is the maximum brightness setting for each of the Red/Green Dots.
- After you are done using the DMRG130, make sure that the *Rheostat Knob* is set to "0" (OFF position) in order to preserve battery life.

ZEROING YOUR RED/GREEN DOT SIGHT

ADJUSTING THE WINDAGE AND ELEVATION:

The Red/Green Dot optic equipped Windage and Elevation Turrets. The *Elevation Turret* is located on top of the *Main Body*. First remove the *Turret Cap* from the *Elevation Turret* and use a flat blade screwdriver or coin to make adjustments.

Turning the *Elevation Turret* **Clockwise** will move the Dot **Up**. Turning the *Elevation Turret* **Counter-Clockwise** will move the Dot **Down**.

The *Windage Turret* is located on the Right side of the *Main Body*. First remove the *Turret Cap* on the *Windage Turret* and use a flat blade screwdriver or coin to make adjustments.

Turning the *Windage Turret* **Clockwise** will move the Dot to the **Right**. Turning the *Windage Turret* **Counter-Clockwise** will move the Dot to the **Left**.

Replace the *Turret Caps* once you have made all necessary adjustments.

- ❖ **NOTE: Each click of adjustment changes the point of impact (where the bullet strikes the target). This means that the markings on the *Windage Turret* stating →L will move the point of impact left. This also means that the markings on the *Elevation Turret* →UP will move the move the point of impact up. Each click will move the 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
1/8"	1/4"	3/8"	1/2"	1"

SIGHTING IN YOUR RED/GREEN 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.

❖ **CAUTION: 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. From a steady and supported shooting position (such as a shooting bench with a rifle rest or sand bags) take careful & consistent aim and slowly fire three to five round groupings at a target.
2. Observe where the bullets have struck the target and adjust windage and elevation as necessary, until your point of aim matches your point of impact.
3. Your firearm and 30mm Red/Green Dot sight is now zeroed.

BATTERY INSTALLATION

Your Red/Green Dot comes ready to use with a pre-installed CR2032 battery from the factory. If the battery life expires or your optic 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 *Battery Cap*, grasp the knurled edge of the *Battery Cap* firmly with one hand and twist it off 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 new CR2032 Battery in the *Battery Compartment* with the Positive “+” terminal facing out towards the *Battery Cap*. 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.

CARE AND MAINTENANCE

Your Red/Green Dot optic 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 scope 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 scope 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 scope and your firearm.**

**COMPACT 30mm RED & GREEN DOT
SIGHTING SYSTEM**

FOR TECHNICAL ASSISTANCE CALL:

1-866-NcSTAR-8
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