



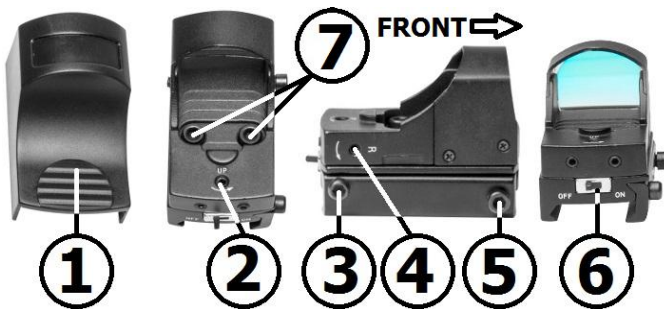
**DDAB / DDABG / DDABL  
MICRO DOT REFLEX OPTIC**

# **INSTRUCTIONS**

# DDAB / DDABG / DDABL MICRO DOT REFLEX OPTIC

Congratulations on your purchase of this NcSTAR Micro Dot Reflex Optic. This Reflex Optic is very compact in physical size, making it very convenient to mount in many different positions on your firearm or onto other accessories and other larger optics. This is a Tubeless Reflex Optic design it has the benefits of a wide field of view and unlimited eye relief. This helps the shooter acquire the targets much quicker and to engage at Close Quarter Combat ranges.

- ❖ **This Reflex Optic is set at the factory to be Parallax Free 40 yards and beyond. This ensures that the Parallax related aiming errors are minimized at 40 yards and longer distances.**
- ❖ **The Reflex Optic is equipped with a standard On/Off Switch located at the rear of the optic body. When not in use, be sure that the On/Off Switch is set to the Off position to preserve battery life.**



1. Plastic Dust Cover
2. Elevation Adjustment Screw
3. Short Mount Bolt
4. Windage Adjustment Screw
5. Long Mount Bolt (Recoil Lug)
6. On/ Off Switch
7. Larger Allen Head Bolts to separate the Optic from the Mount. For changing out the Battery.

## **Mounting Your Reflex Optic:**

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

This Reflex Optic has an Unlimited Eye Relief, so you may mount it onto any position of your firearm's optics rail that is most comfortable for you. Be sure not to mount the optic too close to your eyes as injury may result upon the recoil of the firearm. Your new Reflex Optic is equipped with an integral Rail Mount that is designed to fit onto Weaver and Picatinny type rails.

### **To install the optic onto your firearm:**

1. Use the supplied Allen Wrench to remove both of the two Allen Head Bolts from the right side of the Base Mount. Set the two Bolts and Side Rail Clamp to the side of your work area.
2. Place the Reflex Optic onto the top of the optics rail of your firearm. Once you have selected the optic position that best suits you, be sure that the optic is fully seated on the rail.
3. Replace the Side Rail Clamp back onto the Base Mount, next insert each of the Bolts into the Base Mount. The longer Front Bolt protrudes from the bottom of the Base Mount, the Bolt also functions as a Recoil Lug. Be sure that this front Bolt fits into one of the grooves of the Weaver or Picatinny type rail. This will ensure that the Optic stays securely in place on the rail, when the firearm recoils when fired.
4. Proceed to carefully tighten the Allen Head Bolts firmly in place, but do not over tighten. Your new Reflex Optic is ready for Zeroing.

## **Zeroing Your Reflex Optic:**

- ❖ **SAFETY: 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.**

**In the rear of the MICRO DOT OPTIC are two set screws that are set at the factory for optimal performance of the Reticle Plate. There is No need for adjusting these set screws in this Updated Version of the MICRO DOT OPTIC. These set screws are epoxied in place by the Factory to prevent tampering. Please do not attempt to make any adjustments to these set screws.**

The Elevation Screw located on the Top of the optic moves the Red Dot Up and Down, while the Windage Screw located on the Right side of the optic moves the Red Dot Left and Right.

### **Elevation Adjustment Screw:**

- Clockwise (↻) moves Dot DOWN (↓) – moves Bullet Impact UP (↑)
- Counter-Clockwise (↺) moves Dot UP (↑) - moves Bullet Impact DOWN (↓)

### **Windage Adjustment Screw:**

- Clockwise (↻) moves Dot LEFT (⇐) – moves Bullet Impact to the RIGHT (⇒)
- Counter-Clockwise (↺) moves Dot RIGHT (⇒) - moves Bullet Impact to the LEFT (⇐)

After you have completed installation of your Reflex Optic it will be necessary to adjust the Reflex Optic point of aim to match the rifles point of impact. This can be accomplished using several methods, but we recommend the use of a Bore Sighting Device to save time and ammunition.

Using a Bore Sighting Device will ensure that your shots land “on paper”. It is also a good idea to perform bore sighting from a bench rest if at all possible. Follow the Manufacturer’s Instructions for the Bore Sighting Device that you choose in order to achieve the best results. You are now ready to finalize your Zero. Bore Sighting alone is not sufficient enough to ensure an accurate Zero. You must shoot your firearm at the range in order to confirm a 100% accurate Zero.

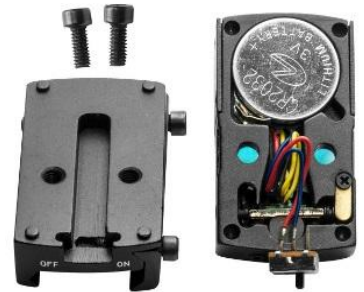
- ❖ **CAUTION: ALWAYS BE SURE TO REMOVE THE BORE SIGHTING DEVICE BEFORE SHOOTING LIVE AMMUNITION. FAILURE TO DO SO CAN CAUSE DAMAGE TO YOUR FIREARM OR INJURY TO YOURSELF AND THOSE AROUND YOU.**

### **Follow these steps to fine tune your Zero:**

1. Secure your firearm onto a steady shooting platform such as a Bench Rifle Rest, Shooting Rest, or Sand Bags.
2. Shoot a 3 to 5 shot groupings at a target that is set to your desired Zeroing distance (25-50 yards is recommended for a Reflex Optic).
3. Observe where the grouping of bullets has struck the target and make the necessary adjustments to the Elevation and Windage set screws.
4. Repeat this process until you have achieved your desired level of accuracy.
5. Your Reflex Optic is now Zeroed to your firearm at the specific distance that you have chosen.

## **Installing The Battery:**

1. Using the supplied Allen wrench remove the two larger Allen Head Bolts located at the top of the Reflex Optic. Turn the Allen head bolts Counter-Clockwise to remove. With the two Allen Head Bolts removed, you can now separate the Upper Reflex Optic from the Base Mount.
2. Turn the Upper Reflex Optic upside down to reveal the battery compartment. Remove and properly dispose of the old battery. Replace with a Brand NEW CR2032 3V lithium battery into the battery compartment with the "+" Battery Terminal facing out.
3. Use CAUTION when placing the Upper Reflex Optic back onto the Base Mount to prevent damage to the wires, On/Off Switch, and other internal mechanisms. Carefully place the On/Off Switch back into the recess in the Base Mount and align the wires into the wire channel so that they do not get pinched when the Upper Reflex Optic is bolted back onto the Base Mount. When placing Upper Reflex Optic back onto the Base Mount make sure that the bolt holes align up.
4. Place the two Allen Head Bolts through the top of the Upper Reflex Optic and tighten the Bolts Clockwise. Make sure not to over tighten the Allen Head Bolts, as this may interfere with the Reticle Plate from moving freely.
5. Check and verify that the Red Dot is operating correctly. If it is not working, please make sure that the Battery was installed correctly.



## **Care and Maintenance:**

The Optical lens surfaces will perform their best if they are routinely cleaned with a lens brush or the lens cloth. 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 lens to avoid damaging your optic. Clean the outer edges of the lens cavity first with cotton swabs, clearing as much debris and dust as possible. Then, gently clean the lens using a circular motion starting in the center and ending at the edges. Do not rub the lens 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 clean soft dry cloth. You can also use a silicone treated cloth to restore luster of the Optic's body and protect it against corrosion. Be careful not to touch the lens with the silicone cloth. When not in use, always store your optic in a dry place.

❖ **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 OPTIC AND YOUR FIREARM.**

## **Specifications:**

Magnification: 1X  
Objective Size: 23.5mm X 16.8mm  
Dot Size: 2 MOA  
Length: 1.8"  
Width: 1.1"  
Height: 1.4"  
Weight: 1.3 oz.

Lens Coating: Ruby (DDAB)  
Lens Coating: Platinum (DDABG & DDABL)  
Battery type: CR2032 (3 volts Lithium)

### **MODELS:**

DDAB = Red Dot reticle  
DDABG = Green Dot reticle  
DDABL = Blue Dot reticle

# **DDAB / DDABG / DDABL MICRO DOT REFLEX OPTIC**



FOR TECHNICAL ASSISTANCE CALL:  
1-866-NCSTAR-8  
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