



RED DOT SIGHT WITH BUILT IN LASER

ITEM# DLB140R

INSTRUCTIONS

Red Dot Sight with Built in Laser

Item# DLB140R

- ❖ 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!
- ❖ CAUTION: AVOID DIRECT EYE EXPOSURE TO LASER BEAM!



The DLB140R is a compact optical system packed with many features, and is also very user friendly. The Quick Release Mount makes for easy mounting to nearly any Weaver Style or Picatinny rail. This Red Dot/Laser combo is also backed by our Lifetime Limited Warranty. We trust that you will receive many years of enjoyment and service from your new Red Dot/Laser Sight.

- ❖ For optimum performance, please follow all of the procedures in this owner's manual very carefully.

FEATURES:

- Unlimited eye relief
- Black anodized aluminum construction
- Built in fully adjustable laser sight
- Five brightness settings for Red Dot Sight
- Ability to use Red Dot or Laser Individually, or both at the same time
- Built in Quick Release Mount for use with most Weaver Style/Picatinny rails
- LED (Light Emitting diode) 100% safe for the eyes

SPECIFICATIONS:

- Length: 4.35"
- Width: 3.45"
- Height: 3"
- Weight: 11.3 oz.
- Mount Length: 3"
- Objective Lens Diameter: 40mm
- Magnification: 1X
- Reticle: Red Dot
- Dot Size: 3 MOA
- Click Value: 1 MOA
- Lens Coating: Ruby
- Battery Type: CR2032
- Laser Maximum Output Power: <5mW
- Laser Wavelength: 635-655nm

MOUNTING PROCEDURE

Your sight's mount is the link between your firearm and your optics. It is very important to have a solid connection between the two in order to ensure proper function of all components. NcSTAR has made installation fast and easy for the DLB140R by incorporating the Quick Release System. 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 *Mount Locking Nut* (12) on the left side of the mount. To perform this action, be sure that the *Quick Release Lever* (10) is in the closed position pointing towards the eyepiece. Using a wrench, turn the *Mount Locking Nut* (12) counter-clockwise.
2. Next, turn the *Quick Release Lever* (10) to the open position pointing towards the objective lens. Using a small flathead screwdriver, loosen the *Mount Set Screw* (11) in order to fit the mounting unit to the rail on your firearm. Seat the sight on top of your firearm's rail with the objective lens pointing towards the muzzle. Make sure that the recoil lug on the bottom of the *Quick Release Mount* (9) fits securely into a slot on your firearm's rail. Shoulder your firearm and adjust the position of the sight until you have achieved the desired amount of eye relief. Once you have your sight positioned properly, close the *Quick Release Lever* (10) once more. Now, tighten the *Mount Set Screw* (11) until it is snug using a small flat head screwdriver
3. At this point your sight and mount are in place, but they are not yet anchored to the firearm solidly. Open the *Quick Release Lever* (10) and make small adjustments to the *Mount Set Screw* (11). Open and close the *Quick Release Lever* (10) checking the tightness of the mount. Perform this action as many times as necessary until the mount is set firmly atop the rail. CAUTION: It does not take a lot of force to get this unit mounted securely. Be careful to not over tighten the *Mount Set Screw* (11) in order to avoid stripping it. Damage can also occur to *Quick Release Lever* (10) if too much force is applied.
4. Once you have properly tightened the *Mount Set Screw* (11) and checked the firmness of the mount connection by opening and closing the *Quick Release Lever* (10). You can now tighten the *Mount Locking Nut* (12) to secure the adjustments that you have made. For best results, tighten the *Mount Locking Nut* (12) with the *Quick Release Lever* (10) in the closed position. Be sure not to over tighten the *Mount Locking Nut* (12) in order to avoid stripping it. You have now successfully mounted your sight. By simply opening the *Quick Release Lever* (10) and pivoting the sight in the direction of the *Mount Locking Nut* (12), you can easily remove the sight from your firearm. Make a reference as to the position of the sight and mount in relation to the rail, so that eye relief settings may be retained when the sight is put back on the firearm.

OPERATION

The *Rheostat Knob* (5) performs a number of functions. The *Rheostat Knob* (5) acts as an on/off switch for both the Red Dot Sight and the Laser Sight. The number or letter that is pointed directly up on the *Rheostat Knob* (5) is the one that is selected. The DLB140R will turn off when the *Rheostat Knob* (5) is set to the number "0". The numbers "1-5" are different brightness settings for the red dot sight, in which "1" is the dimmest setting and each setting afterwards becomes increasingly brighter. The letter "L" on the *Rheostat*

Knob (5) will turn on the laser sight only. The letter “B” will allow the user to turn on both the laser sight and the red dot sight at the same time. After you are done using the DLB140R, make sure that the Rheostat Knob is set to “0” in order to preserve battery life.

ZEROING YOUR RED DOT SIGHT

ADJUSTING WINDAGE AND ELEVATION:

Your DLB140R is equipped with adjuster turrets for Windage and Elevation. The *Elevation Adjuster (8)* is located on top of the *Sight Tube (1)*. First remove the cap on the *Elevation Adjuster (8)* and use a flat head screwdriver or thin coin to make adjustments. Twisting the *Elevation Adjuster (8)* counter-clockwise move the red dot down, and twisting the *Elevation Adjuster (8)* clockwise will move the dot up. Replace the cap once you have made all necessary adjustments. The *Windage Adjuster (7)* is located on the right side of the *Sight Tube (1)*. First remove the cap on the *Windage Adjuster (7)* and use a flat head screwdriver or thin coin to make adjustments. Twisting the *Windage Adjuster (7)* counter-clockwise will move the red dot to the left, and twisting the *Windage Adjuster (7)* clockwise will move the crosshairs to the right.

NOTE: Each click of adjustment changes the point of impact (where the bullet strikes the target). This means that the markings on the *Windage Adjuster (7)* stating → L will actually move the Red dot to the right. This also means that the markings on the *Elevation Adjuster (8)* → UP will move the red dot down. 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.

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 rest position (such as a shooting bench) fire three to five rounds 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 sight are now zeroed. To change the zero distance of your scope you can adjust the Elevation and Windage turrets as needed according to the ballistics of the cartridge load you are using

ZEROING YOUR LASER SIGHT

ADJUSTING WINDAGE AND ELEVATION:

The built in Laser Sight on your DLB140R is adjustable for both windage and elevation. The *Laser Windage Adjuster* (3) and *Laser Elevation Adjuster* (4) are both found on the *Laser Housing* (2), and can be adjusted using the provided Allen wrench. To adjust the elevation up, turn the *Laser Elevation Adjuster* (4) counter-clockwise, and to adjust the elevation down turn it clockwise. To adjust the windage left, turn the *Laser Windage Adjuster* (3) counter-clockwise, and to adjust the windage down turn it clockwise.

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

BATTERY INSTALLATION

Your DLB140R comes ready to use with a pre-installed battery. If the battery life expires or your scope no longer illuminates, follow these simple instructions:

1. The Battery compartment is located within the *Rheostat Knob* (5).
2. On the top of the *Rheostat Knob* (5) you will notice a thin *Battery Cap* (6). To remove this cap grasp it firmly with one hand and twist it counter-clockwise while holding the *Rheostat Knob* (5) 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. Twist the *Battery Cap* (6) back on to the *Rheostat Knob* (5) 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 DLB140R is a 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 grade 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 portion 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 short 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 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.

NcSTAR DLB140R

Red Dot Sight with Built in Laser

FOR TECHNICAL ASSISTANCE CALL:

1-866-NcSTAR-8

(1-866-627-8278)

WWW.NCSTAR.COM