



XRS SCOPE SERIES

INSTRUCTIONS

XRS SCOPE SERIES

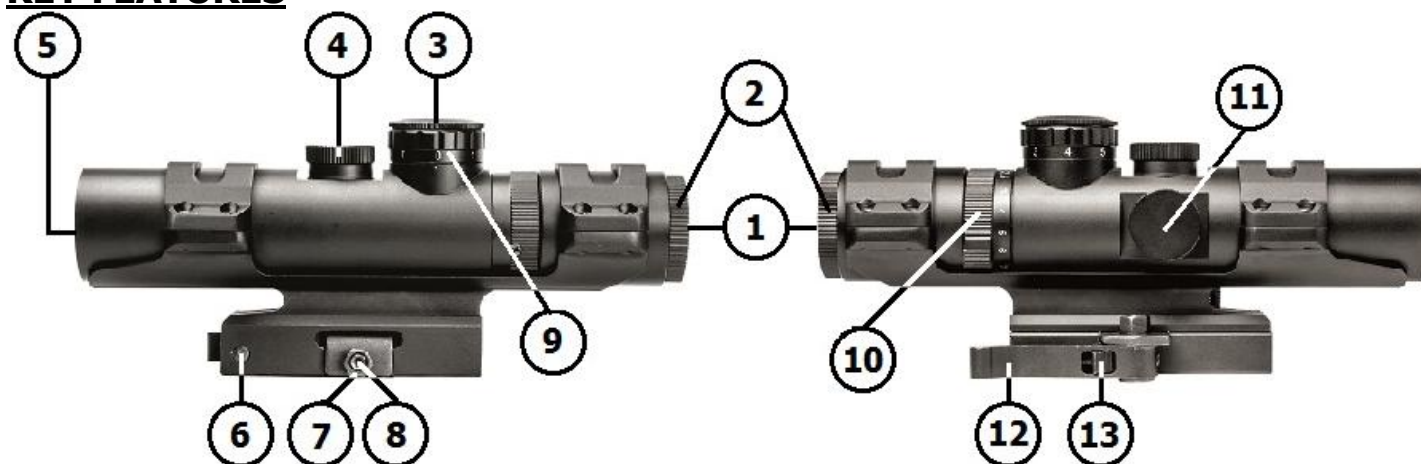
The XRS Scope Series offer several scope models that are packed with many of the popular features that are ideally suited for Tactical Shooters.

- Large 34mm scope tube diameter which allows for a brighter and clearer image quality.
- The XRS Scope Mount is user customizable with a couple different Upper Ring accessories that are included, for the flexible mounting of accessories and/or a Micro Dot reflex optic to your scope.
- Scope centerline is 1½" above the firearm's rail which is the ideal scope height for AR15/ M4 rifles.
- XRS Scope models have Blue Illuminated Reticles with seven brightness settings to help you see the reticle in low light conditions.
- XRS Scope is equipped with an Auto Locking Quick Release Mount for a secure, quick, easy mounting and removal of the Scope from your firearm's Weaver/ Picatinny/ MIL-STD 1913 type rails.
- The XRS Mount is also flexible in that it can be converted to mount onto AR15/ M4/ M16 Carry Handles. The XRS Mount has a see-through base to allow the use of the Iron Sights even when mounted onto the Carry Handle.

NcSTAR Optics is also backed by our Lifetime Limited Warranty. We trust that you will receive many years of enjoyment and service from your new XRS Scope.

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

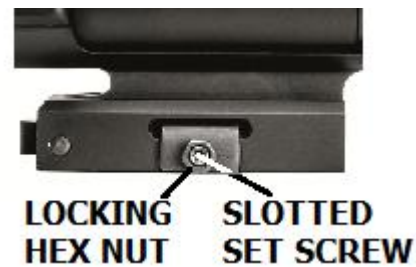
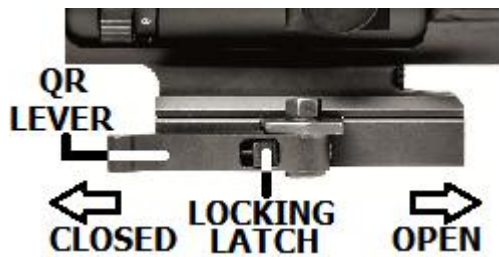
KEY FEATURES



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| 1. OCULAR LENS | 8. ALLEN SET SCREW (For Rail Tension adjustment) |
| 2. QUICK FOCUS EYEPIECE | 9. RHEOSTAT KNOB (Illuminated Reticle Blue) |
| 3. BATTERY CAP | 10. MAGNIFICATION RING (2X-7X models only) |
| 4. ELEVATION ADJUSTMENT & CAP | 11. WINDAGE ADJUSTMENT & CAP |
| 5. OBJECTIVE LENS | 12. QUICK RELEASE LEVER |
| 6. RECOIL LUG (Bottom of mount) | 13. AUTO LOCKING LATCH |
| 7. LOCKING HEX NUT (For Rail Tension adjustment) | |

- ❖ **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 SCOPE OR FIREARM**

MOUNTING THE OPTIC:



The XRS Scopes are equipped with an Auto Locking Quick Release Mount. Before mounting your XRS Scope onto your firearm, your firearm should be placed on a secure platform such as a gun vise.

To attach the Scope to a Weaver/ Picatinny/ MIL-STD 1913 type rails, move the Locking Latch located within the Quick Release Lever away from the lever pivot point (to unlock the lever) and then swing the Quick Release Lever to the forward (Open) position.

Seat the scope on top of your firearm's optics rail with the Objective Lens pointing towards the muzzle of the firearm. Shoulder the firearm and adjust the position of the scope on the optics rail until you have achieved the proper eye relief and maximum field of view through the scope. Place the Scope Recoil Lug placed into one of the cross slots on the rail. Swing the Quick Release Lever rearward (Closed) position to secure the Scope onto the rail.

Your scope 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 a consistent zero and proper function of all the components.

ADJUSTING THE RAIL TENSION OF THE MOUNT:

If the scope mount does not fit your firearms rail securely, you can adjust the rail tension of the mount by following these instructions:

1. To perform this action, move the Quick Release Lever to the Closed position pointing towards the Ocular Lens/ Eyepiece. Begin by loosening the Locking Nut on the left side of the mount. Using a wrench, turn the Locking Hex Nut Counter-Clockwise (↺).
2. Next, Slide the Locking Latch away from the lever pivot point and swing the Quick Release Lever to the Open position pointing towards the Objective Lens. Using an Allen wrench, loosen the Allen Set Screw in order to fit the mount onto the rail of your firearm. Once you have your scope positioned properly, close the Quick Release Lever. Now, tighten the Allen Set Screw until it is snug using an Allen wrench.
3. At this point your scope and mount are in place, but they are not yet anchored to the firearm solidly. Open the Quick Release Lever and make small adjustments to the Allen Set Screw. Open and Close the Quick Release Lever checking the tightness of the mount. Perform this action as many times as necessary until the mount is set firmly atop the rail.
4. Once you have properly tightened the Allen Set Screw and checked the rail tension of the mount connection by opening and closing the Quick Release Lever, you can now tighten the Locking Hex Nut to secure the adjustments you have made. Tighten the Locking Hex Nut with the Quick release lever in the closed position for best results. Be sure not to over tighten the Locking Hex Nut to avoid stripping it. You have now successfully mounted your scope and adjusted the rail tension of the mount. By

simply opening the Quick Release lever and pivoting the scope in the direction of the Locking Hex Nut, you can easily remove the scope from your firearm.

- ❖ **CAUTION: IT DOES NOT TAKE A LOT OF FORCE TO GET THIS UNIT MOUNTED SECURELY. BE CERTAIN NOT TO OVER TIGHTEN THE ALLEN SET SCREW TO AVOID STRIPPING THE THREADS. DAMAGE CAN ALSO OCCUR TO QUICK RELEASE LEVER IF TOO MUCH FORCE IS APPLIED.**

FOCUSING YOUR SCOPE

Your XRS Scope is equipped with a Quick Focus Eyepiece on the rear of the Ocular Lens, easily distinguished by the serrated ring. Once your scope is properly mounted you can focus your reticle to ensure a clear and crisp image.

1. Hold your firearm and look through your scope in a comfortable position to where you see a full field of view. Make quick glances through the eyepiece at a featureless, flatly lit area such as a wall or open sky.
2. Rotating the eyepiece Counter-Clockwise (↺) will extend the eyepiece outward (generally suitable for those who are Far Sighted). Rotating the eyepiece Clockwise (↻) will bring the eyepiece back into the Ocular Lens housing (generally suitable for those who are Near Sighted) Fine tune your adjustments until the reticle appears clear and sharp.
3. Once the eyepiece reaches the outer limits of adjustment, be sure not to force it so as not to ruin the integrity of the seals.



ZEROING YOUR SCOPE

Your XRS Scope is equipped with adjustment turrets for Windage and Elevation.

The Elevation Adjustment turret is located on top of the scope body. To access the Elevation Adjustment, remove the Elevation Cap.

- Turning the Elevation Adjustment Counter-Clockwise (↺) will move the crosshairs Up (↑), moving your bullet impacts Down (↓).
- Turning the Elevation Adjustment Clockwise (↻) will move the crosshairs Down (↓), moving your bullet impacts Up (↑).

Replace the Elevation Cap once you have made all necessary adjustments.



The Windage Adjustment turret is located on the right side of the scope body. Remove the Windage Cap to access the Windage Adjustment.

- Twisting the Windage Adjustment Counter-Clockwise (↺) will move the crosshairs to the Right (⇒), moving your bullet impacts Left (⇐).
- Twisting the Windage Adjustment Clockwise (↻) will move the crosshairs to the Left (⇐), moving your bullet impacts Right (⇒).

Replace the Windage Cap once you have made all necessary adjustments.

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

Windage/Elevation inches of movement per click				
50 yards	100 yards	200 yards	300 yards	400yards
1/4"	1/2"	1"	1 1/2"	2"

We recommend the use of a bore sighting device to save time and ammunition when zeroing your scope. 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 FROM YOUR FIREARM BEFORE SHOOTING ANY 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. From a steady rest position (such as a shooting bench) fire three to five round shot groupings at a 100 yard target.
2. Observe where the bullets have struck the target and adjust the Windage and Elevation as necessary until your point of aim matches your point of impact. Remember, at 100 yards each click of adjustment will move the crosshairs of the scope roughly 1/2".
3. Your firearm and scope are now zeroed for 100 yards. 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

ILLUMINATED RETICLE

Your XRS Scope is equipped with an Illuminated Reticle that can be turned On or Off by simply rotating the Rheostat knob located on the left side of the turret housing.

The reticle can be illuminated in Blue with multiple brightness levels. If you look closely at the top of the knob you will notice a series of numbers. "0" represents the OFF position. If you turn the knob in either direction the reticle will illuminate in Blue. The Blue illuminated reticle have seven brightness levels each, "1" being the dimmest and "7" being the brightest. Adjust the brightness level as needed in accordance with the surrounding conditions. The illumination will increase reticle visibility especially during dusk and dawn. When the illumination is turned OFF the reticle will appear as normal (Black Reticle). Be sure the Rheostat Knob is set to the "0" position when not in use to preserve battery life.

XRS Upper Ring Custom Configurations

The XRS includes four Upper Rings. Typically the two light weight Upper Rings will be installed onto the XRS scope mount from the factory. Included in the box are a Micro Dot Upper Ring Mount and an Upper Ring Mount with Two Side Rails for attaching accessories like a flashlight and Laser.

The Micro Dot Upper Ring Mount is compatible with NcSTAR DGAB and DXGAB Micro Dot reflex optics; these Micro Dot models can be mounted directly to the XRS Micro Dot Upper Ring Mount.



NcSTAR DDAB, DDABG, DDABL, and DXDAB Micro Dot reflex optics will require an Adapter Plate to accommodate the On/ Off switch that these Micro Dot models have. If you have one of these Micro Dot models and a Micro Dot adapter plate was not included, you may contact NcSTAR Tech Support and request that an adapter be mailed out to you. NcSTAR Tech Support phone number is on the last page of this manual.

To install an NcSTAR Micro Dot optic onto the Micro Dot Upper Ring Mount, you will have to remove the lower Micro Dot rail mount. You accomplish this by removing the two larger Allen Head screws located on the Top of the Micro Dot. Separate the Micro Dot from its base mount and carefully place the Micro Dot and the battery onto the XRS Micro Dot Upper Ring Mount with the optical glass towards the muzzle of the firearm. Place the two Allen Head screws through the Top holes of the Micro Dot to secure it to the Micro Dot Upper Ring Mount and carefully tighten the screws.



If you have an NcSTAR DDAB, DDABG, DDABL, and DXDAB Micro Dot reflex optics will require an Adapter Plate. Place the Adapter plate between the XRS Micro Dot Upper Ring Mount and the NcSTAR Micro Dot. Be careful with the placement of the Battery, On/Off switch, and the colored wires into their proper location. You may have to use the longer Allen Head screws to compensate for the thickness of the Adapter Plate.

If the Micro Dot optic will not turn on, you may have to remove the Micro Dot to check that the Battery was properly installed. The CR2032 battery should have the "+" Terminal facing out (down). If the Micro Dot still does not turn on, it may be time to replace the battery with a New CR2032 Battery.

The Upper Rings are attached to the XRS base mount via four Allen Head screws. To remove the Upper Ring, turn the four Allen screws counter-clockwise and remove the screws completely.

Swap out the Upper Rings with the Upper Ring accessory you want mounted onto the scope. The Upper Rings are designed to be mounted in either orientation: 180 degrees or in the forward or rear position on the XRS scope mount. The Upper Ring accessory will fit onto the 4X scope in either orientation. But, if you have the 2X-7X scope you will have to pay attention of the Upper Ring accessory when mounted by the Scope's Magnification ring. Certain Upper Ring configurations may

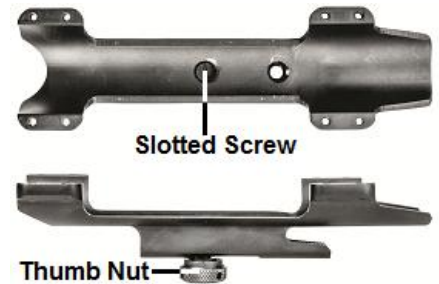
interfere with access of the Magnification ring. So you may have to flip the mount 180 degrees or mount it in the front ring location by the objective lens.

You attach the Upper Rings to the XRS mount via the same four Allen Head screws per Upper Ring. Before you completely tighten the screws, you want to check and verify that the scopes reticle is plumb and level in the mount. If the scope reticle is not plumb and level, you will have to loosen all 8 Upper Rings screws until you can properly level the scope in the XRS mount. You want to tighten the Upper Ring screws evenly, with equal gap on each side.

Converting XRS Mount to AR15 Carry Handle Mount

The XRS Locking Quick Release mount can be converted over to an AR15 Carry Handle Mount. This will require that you remove the XRS scope from the XRS Mount. You will have to remove all eight Upper Ring Mount screws. After you have removed the scope and rings from the XRS Mount, you will have to remove the Quick Release mount. On the bottom of the Quick Release mount are two Allen Head Bolts, remove the two bolts and the Quick Release Mount can be removed.

In the XRS packaging a Slotted Screw and a Thumb Nut are included. You want to take the Slotted Screw and place it on Top of the XRS Mount through the Hole closest to the middle of the XRS Mount. Use a flat blade screw driver to screw the Slotted Screw through the Top of the XRS Mount, until the screw bottoms out. After you have secured the Slotted Screw through the XRS Mount, you may reassemble the XRS Scope and Upper Rings back onto the XRS Mount.



Before you completely tightening the eight Upper Ring screws, you can mount the XRS Mount to your Carry Handle. Place the XRS Mount onto the Carry Handle with the XRS Screw protruding through the hole in the Carry Handle. Use the supplied Thumb Nut to secure the XRS Mount to the carry Handle. With the Upper Rings screws loose, you can adjust the scope eye relief slightly by moving fore and aft in the XRS Mount. You only have a small amount of adjustment. Follow the direction in the previous section on how to properly secure the Upper Rings onto the XRS Mount and making sure the Scope Reticle is plumb and level before you completely tighten the rings screws.



BATTERY INSTALLATION

Your XRS Scope 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
2. On the top of the Rheostat Knob you will notice a thin 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



❖ 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.

Your scope is fog proof, shock proof, and waterproof. However, you should never try 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/or the lens cloth provided with your scope.

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 part of the lenses with the silicone cloth.

When not in use, always store your scope in a dry place with the lens caps on, to prevent scratches to the lenses.

Item #	Reticle Type	Reticle Colors	Magnification	Tube Diameter	Objective Diameter	Field of View ft@100 yds	Eye Relief in.	Exit Pupil mm	Weight oz.	Length in.	Click Value @100 yards
SECXRSM432G	Mil-Dot	Blue	4X	34 mm	32 mm	25.2 ft	3.1"	7.0	17.4	7.1"	½ MOA
SECXRSP432G	P4 Sniper										
SECXRSM2732G	Mil-Dot	Blue	2X - 7X	34 mm	32 mm	38.3 - 12.6 ft	2.9"	12.3 - 4.1	17.2	7.1"	½ MOA
SECXRSP2732G	P4 Sniper										

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FOR TECHNICAL ASSISTANCE CALL:
1-866-NcSTAR-8
(1-866-627-8278)

WWW.NCSTAR.COM