



3-9 X 50

4-16 X 50

Riflescope Manual

**READ ALL INSTRUCTIONS  
BEFORE INSTALLING AND  
USING THIS SCOPE.**

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# Specifications

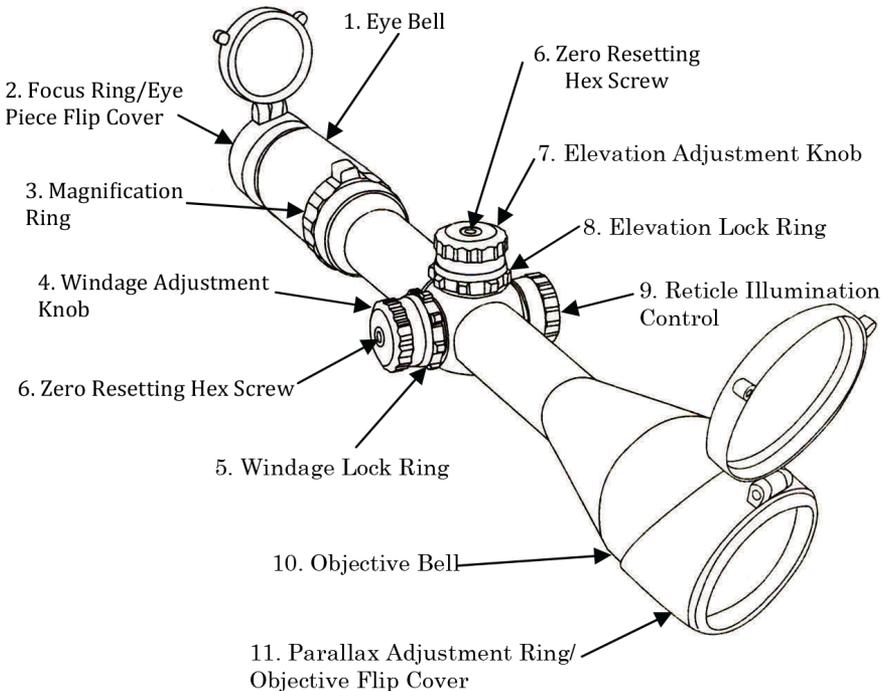
## 3-9 X 50

Objective Lens .....	50mm
Field of view (feet).....	39.3 - 13.1
Weight .....	22 oz.
Length .....	13.5 in.
Reticle .....	Mil-Dot
Eye relief (inches).....	3.3 - 3.1
Click value .....	1/4 MOA

## 4-16 X 50

Objective Lens .....	50mm
Field of view (feet) .....	22.4 - 5.6
Weight .....	25 oz.
Length .....	15.2 in.
Reticle .....	Mil-Dot
Eye relief (inches).....	3.3 - 3.1
Click value .....	1/4 MOA

# Nomenclature



*Line drawings are intended to be illustrative only and not intended to be accurate for scale.*

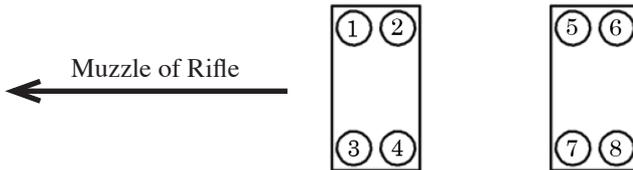
# Instructions

## 1. Focus

Look through scope at a light-colored wall. If the reticle is not clear, rotate the focus ring, (number 2 on the nomenclature graphic), until it is. Do not look at reticle for more than a few seconds at a time, as your eye will adjust for poor eye bell focus.

## 2. Mounting

Use AirForce one-inch mounts or other high-quality one-inch mounts for the scope. First, securely clamp mounts to gun. If the gun recoils, secure mount on gun with a positive scope stop. Clamping pressure alone will not stop the scope from moving on a recoiling spring gun. Before tightening the rings, rotate scope in mount to align the vertical reticle. The reticle should appear to bisect the rifle when it is held to the shoulder for shooting. Tighten the scope rings by alternating the screws you tighten in the following sequence: 1, 4, 5, 8, 2, 3, 6, 7. Continue until screws are snug, but do not over-tighten or scope tube may be dented.



## 3. Parallax adjustment

The parallax adjustment is on the objective bell (number 11 on the nomenclature graphic). To adjust for parallax, sight through the scope and turn the adjustment ring until the target appears in sharp focus. Parallax is now corrected for the target distance. By eliminating parallax, the sight picture is at its most precise, resulting in the greatest accuracy the scope can achieve.

## 4. Sight-in

Sight the scope at the distance you expect to shoot the most. For an air rifle, 30 yards is a good distance. For a rim fire, 50 to 100 yards is good depending on the caliber. For a centerfire rifle, 100 yards and farther is the normal sight-in distance. The scope is sighted-in when the reticle (crosshairs) are on the spot where the pellet or bullet strikes.

This scope is equipped with "Zero Locking Rings" (numbers 5 & 8 on the nomenclature graphic). Once engaged, the Turret Knobs will not rotate, preventing accidental movement & loss of zero. To tighten a Zero Lock Ring, rotate it (clockwise). DO NOT OVER TIGHTEN. The Zero Locking Rings will only rotate 40-70 degrees.

To move the strike of the pellet, unlock the Zero Lock Ring of the Turret Knob you want to adjust. Then turn the Turret Knob in the direction you want the pellet to go. For example, if the pellet is striking low and to the left, turn the Elevation Knob (number 7 in the nomenclature graphic) up and the Windage Knob (number 4) to the right.

One click moves the strike of the pellet by approximately one-quarter-inch at 100 yards. At 50 yards, one click moves the pellet strike half as far, or 0.125-inch. At 10 yards, ten clicks are required to move the pellet strike one-quarter-inch. Once you have found ZERO, retighten the Zero Lock Ring.

# Instructions

(continued)

## 5. Zero Resetting

This scope has Zero Resetting Hex Screws (number 6 on the nomenclature graphic), that will allow you to reset the indication marks on the Turret Knobs to zero, once sighted in. This will make it possible to track impact changes from different pellets, and repeat them easier.

To adjust the Turret Knob marks:

A. Ensure that the Zero Locking Ring is LOCKED.

B. Use an Allen Wrench to turn the Zero Resetting Hex Screw by 180-360 degrees to disengage the Windage/Elevation Knob. (Important: Be gentle with the screw movement. Do not over extend rotation. STOP WHEN YOU MEET RESISTANCE!

C. With the Turret Knob disengaged, rotating it will not produce any clicking sounds. If you hear any clicks the Turret Knob was not disengaged properly and the scope must be re-sighted in. If no sounds occur, the Knob may be rotated with out affecting Zero, and the Zero indication mark may be returned to center position.

D. NOTE: Before retightening the Zero Resetting Hex Screw, turn the Zero Locking Ring counter clockwise by 40-70 degrees to unlock zero.

E. Be careful to keep the turret knob still and not let it move, now that it is unlocked. Use the Allen Wrench to tighten down the Zero Resetting Hex Screw. If you get clicks when you tighten down the Zero Resetting Hex Screw, you have changed the scope zero and it will need to be re-sighted.

F. Once you have successfully reset zero, lock the Zero Locking Ring to complete the process.

**IMPORTANT NOTE:** When loosening the Zero Resetting Hex Screw, to disengage the Windage/Elevation Knob, the Zero Locking Ring has to be LOCKED! When tightening the Zero Resetting Hex Screw, to engage the Windage/ Elevation Knob, the Zero Locking Ring CANNOT BE LOCKED! Scope damage may occur if these steps are not followed.

## 6. Magnification changes

Changing magnification can change the point of impact. Always confirm the point of impact after a magnification change has been made.

## 7. Reticle Illumination

Rotate the side wheel rheostat to turn on illumination and adjust for brightness levels of red, green, or blue. The batteries for illumination are located in the sidewheel. When replacing batteries, insert them “+” side up in the battery housing.

## Warranty

This rifle scope is warranted to be free from defects in materials and workmanship for a period of one year after purchase. This warranty is void if any modification or repair has been attempted. For warranty claims visit [www.airforceairguns.com](http://www.airforceairguns.com) or call 877-247-4867. A dated proof of purchase is required for all warranty claims.

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