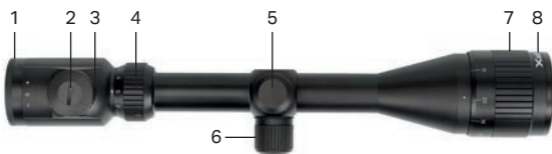# FX OPTICS
3-12X44 IR/AO
OWNER'S MANUAL

FXairguns

Manual for FX Optics 3-12x44 IR/AO

1 Diopter Adjuster (reticle Focus)
2 Battery cap
3 Illuminated Reticle Adjustment
4 Magnification Adjustment
5 Elevation Turret Cover
6 Windage Turret Cover
7 Adjustable Objective for Parallax
8 Objective Lens

Mounting

Your rifle system is only as good as its weakest point, and so mounting of a riflescope is a very critical process that requires time and precision. If you feel uncomfortable doing this yourself we suggest visiting a gunsmith, as incorrect mounting can cause many issues down the line.

Choosing Rings

The 3-12x44 requires 1 inch (25,4mm) rings. When purchasing rings for this scope, choose a quality product - Inferior rings may not align correctly and can damage your scope.

Ensure that your rings are the correct height above the bore & action for safe clearance and a comfortable cheek weld.

Alignment & Eye Relief

1) When fitting the riflescope to your rifle, ensure that the rings are firmly attached to the rifle BEFORE you tighten the top screws down.

2) With the riflescope in place, torque the screws down until you begin to feel some resistance, but make sure you are still able to move the riflescope back and forth.

3) Get behind the rifle in a shooting position and move the riflescope forward or backward until the eye relief is best suited to your position.

4) With the eye relief set, make sure that the riflescope is level. A canted reticle will cause point of impact drift to the left or right, and affect accuracy.

5) Once you are happy with the position of your riflescope, begin to torque down your rings in a criss-cross pattern, moving between screws and turning small amounts at a time. This will ensure that the riflescope does not shift position while tightening.

Reticle Focus

Everybody's eye is different, and the ocular lens will need to be adjusted for your eye in order for the reticle to appear in focus. To do this, point the riflescope towards a blank or featureless background (i.e. a white wall or blue sky) and turn the ocular adjustment ring clockwise and counterclockwise until the reticle appears in optimum focus.

Tip: Your eye will try to compensate for an out-of-focus reticle, so it may help to turn your parallax to minimum and look towards a far-off background. This will blur the background and allow your eye to focus on the reticle itself.

Parallax Objective Lens - Focusing the Target

The scope comes with a parallax adjustment.

A well-adjusted parallax is crucial for optimum precision, as it places the reticle in the exact same focal plane as the target and "fixes it in place", eliminating the possibility of parallax error. And, of course, it allows you to see your target clearly. To adjust parallax, rotate the parallax ring until your target is in focus.

The parallax ring is marked for different distances between 10 yds/m to infinity. These markings provide an indication of where your optimum parallax setting might be for a given distance, but will not always be 100 % accurate as your ocular lens adjustment will affect the location of the focal plane. It is better to use your eye for such adjustments.

Tip: Place your riflescope in a fixed position and change the position of your eye (up/down, left/right) while adjusting parallax. If parallax is not set correctly, there will be apparent movement of the reticle in relation to the target. Adjust the parallax until this movement is eliminated.

Adjusting Magnification

This optics features a magnification of 3-12, and can be adjusted using the magnification ring near the rear of the riflescope. The ring is marked with magnification powers from 3x up to 12x, and will line up with the dot on the ocular tube to indicate magnification.

Adjusting the Turrets

Remove cover.
This optics is of MOA model, and should read "1 Click = 1/4 MOA". In simple terms, 1 click on an MOA turret will move the reticle 1/4" at 100 Yards.

- To move your Point of Impact UP, turn ANTI-CLOCKWISE on your ELEVATION TURRET.

- To move your Point of Impact DOWN, turn CLOCKWISE on your ELEVATION TURRET.

- To move your Point of Impact RIGHT, turn ANTI-CLOCKWISE on your WINDAGE TURRET.

- To move your Point of Impact LEFT, turn CLOCK WISE on your WINDAGE TURRET.

Boresighting

This optics is optically zeroed at the factory, so it should be close to center when fitted. Even so, it is important to check that you are "on paper" to avoid frustration.

Bore-sight your rifle to ensure that your reticle/crosshair is roughly aligned before fine tuning.

Bore sighting is done by adjusting or moving base or rings.

Do not attempt to bore sight your scope by adjusting the turrets.

Bore sighting is a preliminary procedure to achieve proper alignment of the scope with the rifle's bore. Shoot a large target at a close distance to check basic alignment and adjust if needed.

Zeroing

We recommend taking a 3-shot group to confirm your zero before continuing.

We recommend a zero distance of 20-50 yds/m for airguns. If you cannot boresight your rifle, start at a closer distance to get on paper, and then move out further to make precise adjustments.

Adjust windage and elevation with the turrets.

Continue the adjustment procedure until you are satisfied.

Setting the Position of the Turret Housing

You might want to set your turret housing so that the "0" on your turret lines up with the indicator when you have it zeroed.

1 Remove cover
2 Loosen the three screws on the knob with appropriate tool.
3 Line up the "0" on the turret housing with the indicator line and tighten the three screws gently.

Illuminated Reticle/Crosshair

OFF = 0
ON = 1-11

1 equals low illumination and 7 the highest illumination.

Battery type: CR2032.

Battery placement: Inside the illumination adjustment knob.

Replace battery: Unscrew top lid of the knob.

Warranty

This product carries a one year warranty against faulty workmanship and defective materials. If it becomes necessary contact the dealer from which you purchased the product.