

ZC™ ZERO COMPROMISE OPTIC™

Manual



WARNING



Make sure your firearm is unloaded before working on your firearm/rifle scope. If you stop the procedure and leave, reconfirm the firearm is unloaded upon returning.



Never look at the sun or other bright lights through your rifle scope. Permanent eye damage or blindness can occur.

CAUTION



The import or export of the product in question may be subject to the export control regulations of the respective country (e.g. approval according to the Foreign Trade Act, Dual-Use Regulation, etc.). It is the buyer's responsibility to comply with these regulations

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Note

*The lettering can vary depending on the model type

Welcome to

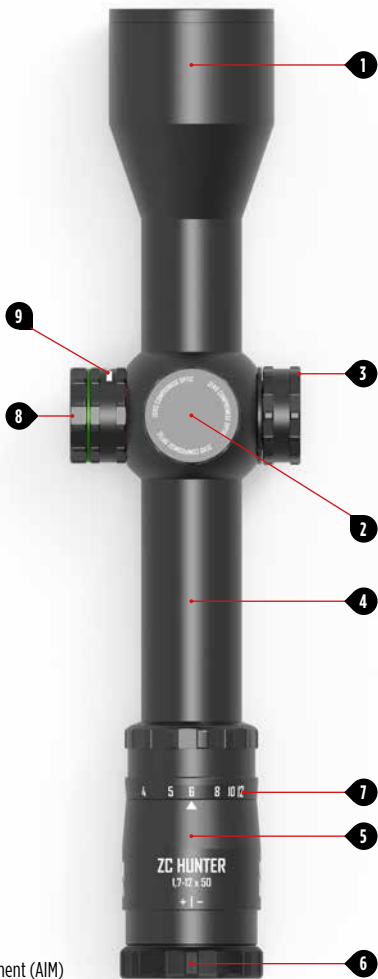
Zero Compromise Optic (ZCO) is a true specialty scope company where our passion, dedication, and complete focus is building nothing but the highest quality rifle scopes. This can only be accomplished with the most modern and technologically advanced optical and mechanical designs which we have integrated into our products. We maintain an uncompromising dedication to superior design as well as outstanding quality, and we are completely committed to ultimate precision, performance, and reliability. Every aspect of our products is analyzed, designed, and produced to meet this objective. To meet our end goal, every single rifle scope is subject to extreme and intensive real-world testing such as impact and vibration prior to leaving the facility.

ZCO products are designed specifically for you, from aggressive styling and rugged performance, to extreme duty internal components engineered for unflinching reliability. Due to ZCO's involvement in many precision shooting applications, even seemingly insignificant details become increasingly important. We fully understand that dedicated lifelong customers will be the foundation and driving force for future innovations and product development. ZCO components are produced in Austria and hand-assembled in Austria or in the United States of America. The high quality and precision of ZCO rifle scopes will never be compromised nor sacrificed in favor of production quantity.

This philosophy is paramount



supporting your precision



- 1 | Objectiv
- 2 | Elevation Turret/ Ballistic Turret
- 3 | Windage Turret
- 4 | Main Tube
- 5 | Ocular
- 6 | Diopter Adjustment
- 7 | Magnification
- 8 | Battery Cover
- 9 | Automatic Illumination Management (AIM)

MOUNTING YOUR ZCO RIFLE SCOPE

1. Ensure your firearm is completely unloaded and pointed in a safe direction.
2. Place the lower half of the scope rings on the scope base, which should already be mounted to the firearm, and torque the lower half of the ring to the base with the manufacturers recommended value.
3. Set the magnification of the scope to the maximum setting and place the rifle scope into the lower half of the scope rings.
4. Place the top half of the scope rings over the scope and very lightly tighten the ring cap screws to the lower half of the rings. Tighten just enough to hold the scope in place but still allow smooth scope movement for final positioning and eye relief.
5. While holding the rifle in your most used position (prone, bench, standing, etc.) move the scope fore/ aft as needed to obtain a full field of view through the scope without any shadow around the edges.
6. The reticle as well as the adjustment dials are aligned perpendicular to the flat on the bottom of the adjustment saddle.
7. Tighten the ring cap screws according to the manufacturer's recommendations and torque values.

CAUTION



Ensure the rings will **NOT** clamp over a portion of the front objective bell.



Overtightening of the scoping cap screws can cause binding of the internal elements of the scope. **DO NOT** tighten ring cap screws more than 2,8 Nm or 25 in/lbs

WARNING



Proper amount of eye relief should be maintained for hard recoiling rifles as well as high angle up/down hill shooting. Serious injury or even death can result from impact of the eye piece with the shooter during the recoil process.

SETTING THE DIOPTER

1. set the magnification of the riflescope to a medium magnification.



2. Turn the diopter adjustment at moderate speed while looking through the scope at a completely white background until the reticle becomes out of focus. The speed of the rotation should be so fast that your eye can no longer focus on the reticle to compensate for the focusing of the reticle.
3. Next, turn the diopter back in the other direction at moderate speed, once again beyond the focus point. Your eye/hand/brain has a very good idea of where the diopter needs to be in order for the reticle to be in focus.

4. Now rotate the diopter at a moderately fast pace back towards the point of focus at a moderately fast pace until the reticle becomes clear and sharp
5. You should now be able to look away from the reticle for a few moments and when you look through the scope again, the reticle should be perfectly focused.
6. Your sight now offers a perfectly focused reticle over the entire magnification range and this setting also ensures the best optical performance of the riflescope.

PARALLAX ADJUSTMENT

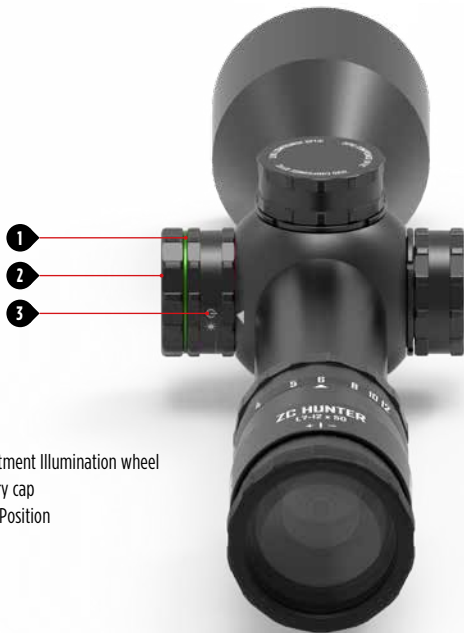
Parallax is an apparent change in the position of the cross-hairs in relation to the target, when the observer's eye moves in relation to the eyepiece.

The optics of your riflescope are parallax-free from a shooting distance of 100m to infinity. This means that you have a perfectly sharp and parallax-free image over the entire zoom range from 100m. At 1.7x magnification, your riflescope is parallax-free even at the shortest distances. If you are shooting at distances of less than 100 m with a higher magnification than 1.7x, make sure you look through the scope as centrally as possible. This will help to avoid point of impact shifts due to parallax errors.

RETICLE ILLUMINATION

The illumination adjustment wheel (illumination ring) for the illuminated reticle is located next to the battery cover. Turn the adjusting wheel to the preferred intensity to activate the illumination. Turning it counterclockwise increases the intensity of the illumination so that it is visible in most daylight conditions. The battery life depends on the intensity of illumination selected and the usage of the illuminated reticle.

To deactivate the illuminated reticle, turn the adjustment wheel to the „OFF“ position, which is equipped with a detent.



- 1 | Adjustment Illumination wheel
- 2 | Battery cap
- 3 | „Off“ Position

Your riflescope is featured with Automatic Illumination Management™ (AIM), which cannot be deactivated by the user. The AIM automatically deactivates the illuminated reticle if the tilt angle of the riflescope to the sides exceeds 45° and to the top or bottom exceeds 75°. The AIM also switches the illumination off automatically if it does not detect any movement for more than 2 minutes. It is automatically reactivated when movement is detected.

It also deactivates the illumination if the adjustment wheel for the illuminated reticle is not operated for more than 2 hours. It automatically switches back on with the previous illumination intensity if the setting wheel is adjusted slightly.

The diffractive reticle, which has been optimized for use in very bright conditions, illuminates the aiming point in the center only in red.

For all other reticles with conventional LED technology, the light color can be switched between red and green.

To do this, the riflescope is brought into a vertical position with the illumination switched off and the objective lens or the muzzle of your rifle facing the ground. Always ensure that your firearm is handled safely.

Now, with the scope remaining in the vertical position, turn the illumination ring up to the maximum illumination intensity as far as it will go, remain in this position for 1-2 seconds and then turn the illumination ring back to the „OFF“ position.

If you now take up the position of the weapon and activate the illumination, the illumination color has changed. You can do this to change the illumination color from red to green and back again.

TO REPLACE THE BATTERY

1. Rotate the illumination to the OFF position, and then unscrew counterclockwise the battery cap.
2. The CR2032 battery will be visible and easily pulled out from the scope.
3. Replace with a fresh CR2032 battery of good quality in the correct orientation (the + must be visible) and screw on the battery cover. Take care to NOT cross-thread the turret cap. Tighten only hand tight but snug. Turn the illumination ON and then verify reticle intensity as desired.

①



②



③



NOTE



The reticle will flash 3 times each minute once turned on when the battery gets weak. This will indicate approximately 2 hours remaining of battery life.

ZEROING THE SCOPE

It is best to bore sight your firearm/scope prior to firing the first round to zero.

Remove the dust caps from the turrets by turning them counterclockwise. You now have access to the Turret caps and can make the following adjustments to the scope.

NOTE



If you are unsure of this procedure, have a competent professional gunsmith do this for you

To zero your scope, use the reticle in the scope as a ruler.

Follow the steps below:

1. Fire a three-round group at your desired zero distance
2. Once you have determined the exact difference in the point of impact, it can be corrected with the elevation and windage adjustment. The adjustment correction per click and the corresponding direction of rotation are engraved in the rotating caps.
3. fire three shots again. The point of impact (POI) should be centered on your aiming point. If this is not the case, repeat the adjustment process until the point of impact and the aiming point match.
4. In order to adjust the zero point of the elevation adjustment, loosen the two set screws on the cap and turn it carefully until the „zero“ mark on the cap is aligned with the reference mark on the turret case. No clicking noise should be heard during this process. Once the markings are aligned, the two set screws must be tightened again with a maximum torque of 0.5 Nm. The same adjustment procedure must be repeated for the side adjustment.
5. Once you have finished zeroing in the riflescope, the dust caps should be replaced to protect against adjustment and dirt.

ZEROING THE BALLISTIC TURRET

If you have purchased a riflescope with a ballistic turret, this is already mounted on your riflescope and only needs to be shot at the distances you want.



Proceed as follows to adjust the ballistic turret:

1. Lösen Sie die beiden Klemmschraube der Drehkappe und entfernen Sie den Turmdeckel, die 3 Indikatorringe sowie den Skalenring.



2. Lifting the rotating cap unlocks the turret and the height can be adjusted by clicking. Once you have set the elevation adjustment to the first distance required, press the rotating cap down again to lock the turret.



3. the scale ring is pushed onto the rotating cap in the locked position without moving it. The zero stop is now set to zero and the first shooting distance is defined.



4. use the 3 indicator rings to mark further shooting distances. To do this, unlock the turret again and click in the next distance without moving the scale ring on the rotating cap. The first indicator ring can then be fitted in the locked state according to the required „clicks“.



5. the last two indicator rings can also be fitted as described in point 4.



6. when all indicator rings have been fitted, the turret cover is tightened again with the locking screws provided in order to clamp the scale ring and the indicator rings in the position in which they were inserted.



7. The ballistic turret is now fully assembled and ready for use. Before adjusting the turret, make sure that it is unlocked by pulling up the rotation cap. The turret can be locked again at any point by pushing it down to make sure it cannot be moved unintentionally while hunting.

This ballistic turret also provides the option of simply loosening the locking screws and twisting selected rings to shoot in the turret or change the shooting distance without having to remove the turret cap first. When adjusting the selected ring, care must be taken to ensure that neighboring rings are not inadvertently twisted!

CLEANING YOUR ZCO PRODUCT

Your product will perform at peak efficiency by keeping it as clean as possible. We recommend the following steps as routine care for your rifle scope.

1. Remove any large dirt particles from the exterior of the rifle scope with a nylon bristle brush. Use this bristle brush also around the turrets removing any dirt particles between the turrets and scope body. DO NOT use the bristle brush on the optical lenses. Use a damp cotton cloth with warm water to wipe down the exterior of the scope body and a dry cloth to remove any traces of water.
2. Use a can of compressed air to blow off dust and dirt particles from the lenses. Take care to hold the can up-right and not drip the fluid on the lenses as this can cause damage.
3. Hold the scope with the lens being cleaned facing downward to allow dirt to fall away from the lenses. Use an optical quality lens cleaning brush to remove the remaining dust and dirt particles from the lens.
4. If dirt particles are still stuck to the lens, flush the lens with distilled water allowing the water to drain away from the scope. Allow the lens and lens edges to completely dry before proceeding.
5. Use a high-quality micro-fiber lens cloth to remove any water stains or smudges from the lens surface. Keep this micro fiber cloth clean and protected to prevent abrasive particles from sticking to it.

CAUTION



Common firearm solvents cause damage to the lens coatings when the solvent splatters on the lens. Ensure the scope lenses are covered while cleaning the firearm. The scope lenses have a durable coating for added protection, but proper routine cleaning will keep them in the best possible condition.

WARRANTY

All ZCO products are meticulously built by hand and undergo multiple tests and inspection points prior to packaging. Several components are in extremely close tolerances to each other to provide the highest quality precision possible. Great care has been taken to ensure this product will perform perfectly for a lifetime of service.

We are committed 100% to our customers and our products

In the highly unlikely case that a problem should occur with your ZCO product, we offer a 11-year portable warranty that covers mechanical and optical defects due to materials or workmanship under normal use for the lifetime of the riflescope. The electronic components installed in this product are covered by a limited warranty of 2 years from the date of purchase. This includes defects in materials or workmanship under normal use.

At our discretion, we will either repair or replace (with a product of the same or similar model) a defective product after a thorough inspection. Exclusions to this warranty are intentional misuse or abuse of the product, unauthorized alterations or repairs, serial number modification or destruction, improper mounting, neglect, fire, flood, or other cataclysmic events.

RETURNING YOUR PRODUCT FOR SERVICE

Follow the steps below to ensure prompt processing:

- 1** remove any accessories such as clamp rings, sun shields or lens covers purchased at a later date.
- 2** make a note of the serial number of your product and keep it to hand for any questions
- 3** place the riflescope well padded and packed in the original box in a shipping carton and secure your package adequately with adhesive tape. The original box alone is not enough for shipping.
- 4** Return your product to us, insured for replacement value, through a trackable carrier to the address listed below.

Zero Compromise Optic GmbH
Bäckerstraße 1
2433 Margarethen am Moos
Österreich

Only for North America Customers:
Zero Compromise Optic
Attn: Service Department
9190 Lower Fords Creek Rd
Orofino, ID 83544
USA

NOTE



We will notify you through email (if provided) or by phone when we receive your product, as well as when it is returned. Please ensure your email/phone information is available. Please provide a good Shipping Address. We are not able to ship to a P.O. Box.



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