



**ELECTRO-OPTICS**

# TANGO™

TANGO4™ TACTICAL RIFLESCOPES

OWNERS MANUAL

**SIG SAUER®**

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This manual is available in the following languages: French, Spanish, German, Italian, Portuguese, Russian, Afrikaans, Swedish, and Norwegian. Please visit [sigoptics.com](http://sigoptics.com) for Owners Manual downloads.

## INTRODUCTION

No one understands the need for unquestioning accuracy better than SIG SAUER®. Our tactical riflescopes have been developed for military, law enforcement, long range hunters, and competitive shooters for one reason: When you take your shot, it will count.

With a 4:1 zoom first-focal plane design, illuminated glass reticles, 30mm tube and revolutionary LockDown™ Zero System turrets, TANGO4™ riflescopes are the ideal solution for mid to long range tactical engagements, designated marksmen, and hunting. A unified industrial design integrates functional components like LockDown™ Zero System (lockable turrets) and MOTAC™ (Motion Activated Illumination).

**CONTENTS:**

- TANGO4™ Riflescope
- CR2032 Battery
- Riflescope Lens Cover
- Tools
- Manual

## FEATURES

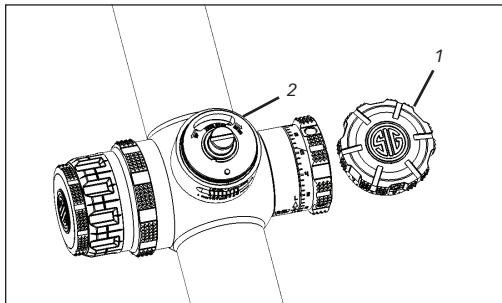
- 4x times optical zoom with illumination in a 30mm one-piece maintube
- Low dispersion (LD) glass provides industry leading optical clarity for any situation
- Offered in first focal plane (FFP) with multiple, illuminated reticle options
- Features our MOTAC™ (Motion Activated Illumination) powers up when it senses motion and powers down when it does not. Provides for optimum operational safety and enhanced battery life
- Dependable waterproof (IPX-7 rated for complete immersion up to 1 meter) and fog-proof performance
- LockDown™ Zero System on the TANGO4 features a resettable zero, zero-stop and auto-locks down at zero

## **TANGO4 Riflescopes are equipped with rugged tactical turrets. TANGO4 turrets feature:**

- LockDown™ Zero System
- 48 clicks (MOA) / 50 clicks (MRAD) per rotation (MOA)
- Rotation indicator

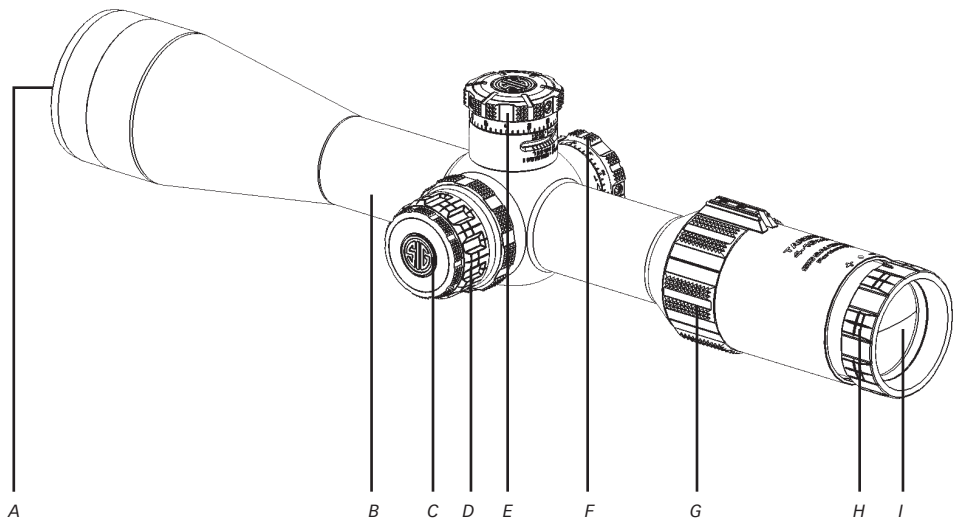
## PRODUCT IDENTIFICATION

- A Objective Lens
- B Main Tube
- C Battery Port Cover
- D Illumination Power Selector Ring/ Parallax Adjustment Ring (select models)
- E Elevation Dial
- F Windage Dial
- G Power Selector Ring
- H Diopter Adjustment Ring
- I Ocular Lens



### Elevation Turret

- 1 Elevation Dial
- 2 Zero Stop Adjustment Ring



## **WARNING**

Before working on your TANGO4 riflescope always ensure that the firearm is unloaded with the safety on.

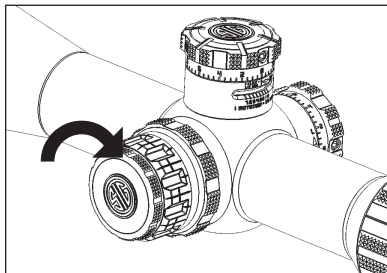
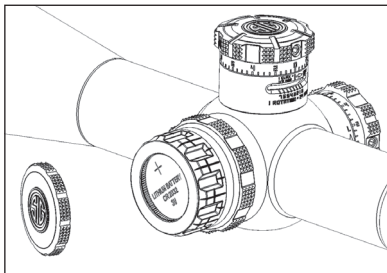
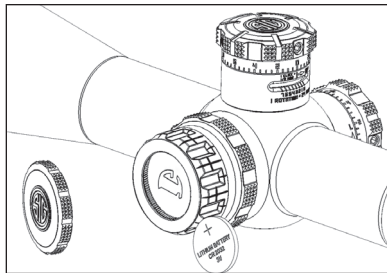
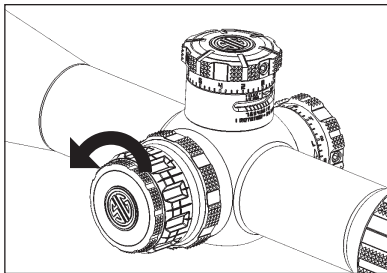
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### **OPERATION**

#### **Installing the battery**

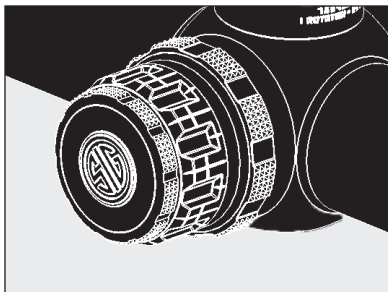
TANGO4 riflescopes are equipped with illuminated reticles and require a CR2032 battery. To install the battery loosen the battery port cover on the left side of the riflescope turret. Place the battery into the battery port with the plus side facing outward. Screw the battery port cover back onto the left side of the turret. TANGO4 models provide spare battery storage. With the battery port cover removed, unscrew the back side to access the spare battery compartment - there is room to store a spare CR2032 battery.





## ILLUMINATION BRIGHTNESS LEVEL

- Select the illumination brightness level that suits your conditions the best
- Higher power settings, indicated by larger squares, are better suited for brighter conditions
- Lower power settings, indicated by smaller squares, are better suited for low light conditions
- Brightness level settings alternate between on and off locations. Filled in squares indicate on positions.
- TANGO4 riflescopes feature MOTAC, they will automatically turn off after 2 minutes of rest. They will automatically power on after first motion.



## Mounting the riflescope

Choose rings and bases that correspond to your firearms action and the diameter of your riflescope's maintube. In order to maintain a comfortable cheek weld always mount your riflescope with the lowest possible ring height. Make sure that there is no interference with any of the moving parts of your firearm.

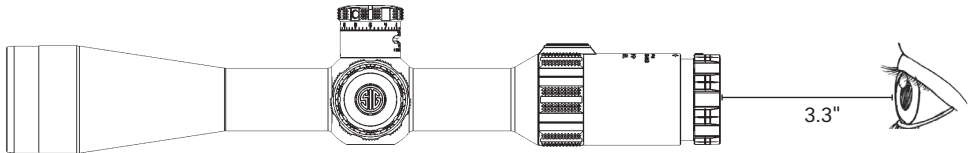
- Refer to the SIG SAUER Mount guide for the proper mount selection for your specific riflescope.
- Set up bases and rings based on the base and ring manual

## Set proper eye relief

Slightly loosen the riflescope rings and position the riflescope as far forward as it will mount. For adjustable power riflescopes select the highest possible power. Mount the rifle in a comfortable and repeatable, natural position. Adjust the position of the riflescope backwards until you have maximum field of view in your riflescope.

Ensure that the vertical crosshair of the riflescope matches the vertical centerline of your rifle and tighten the rings and bases to the correct torque

- To turn the illuminated reticle on rotate the illumination power selector ring to the desired level.
- To turn the illuminated reticle off rotate the illumination power selector ring to an empty square.

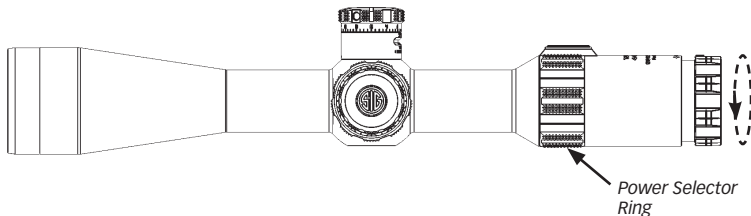


## SIGHT ADJUSTMENTS

The riflescope will come centered. This will get you close to your rifles zero out of the box.

### Focusing the reticle with the diopter

Aim the riflescope at a light object to maximize the contrast of the reticle. Turn the diopter until the reticle comes into focus.



### Adjusting Power

TANGO4 riflescopes are variable power. In order to increase the power setting rotate the power selector ring clockwise. Turn the power selector ring until the image is magnified to the desired range.

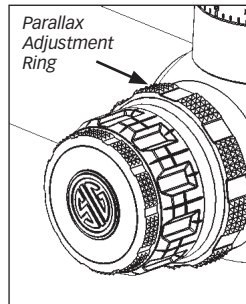
## Bore sighting

If you are installing the riflescope from other than its factory settings it is best to bore site your riflescope. This will give you a coarse zero and will require further adjustments.

With the rifle in a firm rest, remove the bolt from your rifles action (with AR style rifles remove the rifles upper from its lower assembly and remove the bolt carrier). Look through the rifles barrel from the rear of the rifle and aim it so that your target is centered. Without moving the position of the barrel, use the elevation and windage adjustments of your riflescopes reticle so that it is also in the center of the target.

## Parallax Adjustment\*

When using your riflescope for longer range targets, parallax can become more noticeable. This can be noticed when it appears that your reticle is moving separate from the target when you move your head/eye from side to side. To adjust parallax rotate the parallax adjustment ring counter-clockwise for increased distances. The scale on the parallax adjustment ring provides approximate distance increments. Turn the dial until the parallax is corrected. \*Certain models offer adjustment on the left side of the turret.



## **Point of Impact (POI) corrections**

POI corrections should be done using the center of a three shot group. If you are not able to get a consistent three shot group then you will need to further trouble shoot your firearm.

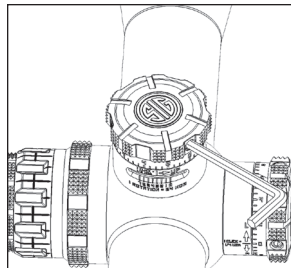
If your POI is located to the left of your point of aim (POA), you will need to adjust the windage to the right. To adjust the windage to the right you must release the lock of the windage adjustment dial by pulling it outwards. Once the dial is pulled out you are able to make POI adjustments. To move the POI to the right turn the windage adjustment dial counter-clockwise. To move the POI to the left turn the windage adjustment dial clockwise.

If your POI is located below your POA you will need to adjust the elevation adjustment dial up. To adjust the elevation up you must release the lock of the elevation adjustment dial by pulling it up. Once the lock is released you are able to make POI adjustments. To move the POI up you will need to turn the elevation adjustment dial counter-clockwise. To move the POI down you will need to turn the elevation adjustment dial clockwise.

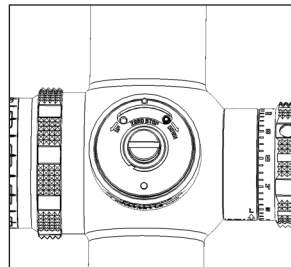
Once your POI is located where you want it in relation to your POA you can lock your adjustment dials in place - see "Resetting the Zero of your adjustment dials" on page 18.

## Setting the Zero Stop

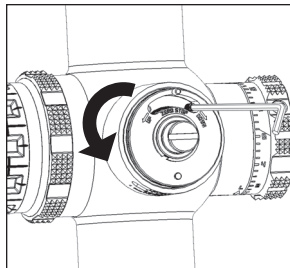
To set your zero-stop you will need to remove the elevation adjustment dial from your rifle scope. This is done by loosening the top three hex screws located in the knurling of your dial using the provided 2mm hex key. Once loosened, the elevation dial can be removed by lifting it straight up. Use caution not to fully remove the set screws from the dial so they don't become misplaced.



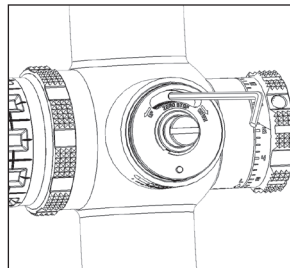
Using the supplied 1.3mm hex key, completely remove the zero stop set screw from the zero stop slot on top of the turret. Carefully place the set screw aside.



Insert hex key into opening vacated by the set screw and rotate the zero stop adjustment ring counter-clockwise in the UP direction. There are 8 holes so continue to move them until the motion comes to a stop – don't snug. It is recommended to back off 1/8 rotation back clockwise (one hole to the right). This will allow you have a few clicks of travel down once you lock in the zero stop.

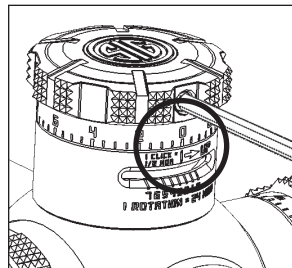


Re-install set screw using supplied 1.3mm hex key. If there are two holes showing re-install the set screw post in the hole to the left.





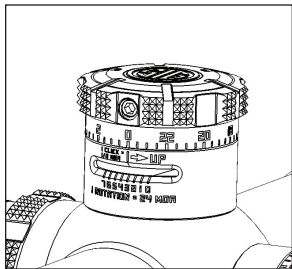
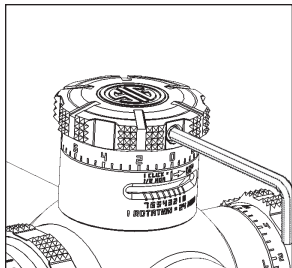
Re-install Elevation Dial with zero on dial lining-up with the zero mark on turret ring. Tighten (3) elevation dial set screws finger tight or 8 in-lbs (0.9 N-m) using supplied 2mm hex key.



## Resetting the Zero of your adjustment dials

TANGO4 windage and elevation adjustment dials have a zero lock feature that locks the turret in place at the "0" indication on the adjustment dial to prevent unintentional movement. Once set, adjustments can be made by pulling upward on the adjustment dial and rotating as desired. The adjustment dial will automatically return to a locked position when the dial indication is returned to "0" (zero). Adjustment dial location is set by loosening the three set screws using the provided 2mm hex key and rotating dial until the "0" is aligned with the index indicator below the adjustment dial. Be sure to loosen the set screws enough so that the dial spins freely. Once the dial is zeroed, tighten the set screws to finger tight or 8 in-lbs (0.9 N-m).

TANGO4 riflescopes feature a rotation indicator. The indicator will show the number of rotations the elevation dial has traveled up from the zero stop. Number of rotations vary by prescription - please see the specifications section on page 22.



## Installing a SBT™ SIG Ballistic Turret Dial

- Remove the elevation adjustment dial by loosening the three set screws near the knurling of the dial. Once these are loose the dial should pull free of the adjustment shroud.
- Place the new SBT dial on the adjustment shroud and reset your zero.
- Tighten your set screws to finger tight or 8 in-lbs (0.9 N-m).

## MAINTENANCE

Your SIG SAUER riflescope requires very little maintenance.

- If your riflescope came with an illuminated reticle make sure that you turn the illumination control to one of the off positions when it is not in use.
- If the battery for your illuminated reticle is dead replace it by rotating the illumination battery port cap counter-clockwise. Replace the battery with a new CR2032 battery positive side facing out.
- Keep your lenses clean by using a soft cloth or lens pen. The best way to maintain image quality is by keeping your lenses clear of dirt and dust that cause scratches.

## TROUBLESHOOTING

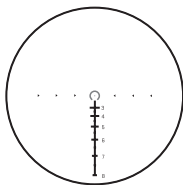
### **POI changes between groups**

- Check that all of your mounts are tightened to the correct torque specification
- Check/Clean your rifle
- Check for variations in ammunition

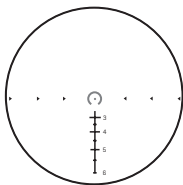
### **Illuminated reticle does not work**

- Check that the battery is installed correctly
- Replace battery
- Ensure that the illumination power selector ring is in an on position

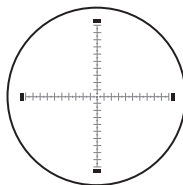
## Reticle Options



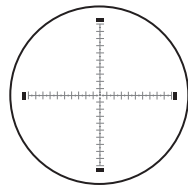
5.56/7.62  
Horseshoe Dot



.300 Blackout  
Horseshoe Dot



MOA Milling



MRAD Milling

Go to [sigoptics.com](http://sigoptics.com) for detailed information on reticle subtensions.

## TANGO4 SPECIFICATIONS

Model	Focal Place	Reticle	ADJ.	Exit Pupil MM		Linear Field of View				Eye Relief			
				LOW	HIGH	FT @ 100Yds		M @ 100M		INCH		MM	
						LOW	HIGH	LOW	HIGH	LOW	HIGH	LOW	HIGH
1 - 4x24mm	1st	5.56/7.62 Horseshoe Dot	.5 MOA	15.4	6.1	98.0	24.0	32.7	8.0	3.3	3.3	84	84
		300 Blackout Horseshoe Dot	.5 MOA										
		MOA Milling	.5 MOA										
		MRAD Milling	.2 MRAD										
3 - 12x24mm	1st	5.56/7.62 Horseshoe Dot	.25MOA	13.3	3.4	32.8	8.4	10.7	2.8	3.3	3.3	84	84
		300 Blackout Horseshoe Dot	.25MOA										
		MOA Milling	.25 MOA										
		MRAD Milling	.1 MRAD										

Model	Objective Filter Thread	Objective Clear Aperture		Weight		Windage Adjustment Range	Elevation Adjustment Range	Max Rotations	Illumination Settings	Length	
		INCH	MM	OZ	GRAM					INCH	MM
1 - 4x24mm	M 25.5 x 0.5	0.9	24	19.7	558	166 MOA 48 MRAD	166 MOA 48 MRAD	6.9 MOA 4.8 MRAD	8 daytime/ 2 NV	10	254
3 - 12x24mm	M 46 X 0.75	1.7	42	24.4	692	84 MOA 30 MRAD	84 MOA 30 MRAD	7.0 MOA 6.0 MRAD	8 daytime/ 2 NV	13.6	346.4

## TANGO4 SPECIFICATIONS

Model	Focal Place	Reticle	ADJ.	Exit Pupil MM		Linear Field of View				Eye Relief			
						FT @ 100Yds		M @ 100M		INCH		MM	
				LOW	HIGH	LOW	HIGH	LOW	HIGH	LOW	HIGH	LOW	HIGH
4 - 16x44 mm	1st	MOA Milling	.25 MOA	22.9	5.1	24.1	6.3	8.0	2.1	3.3	3.3	84	84
		MRAD Milling	.1 MRAD										
6 - 24x50mm	1st	MOA Milling	.25 MOA	8.0	2.1	16.8	4.2	5.3	1.4	3.3	3.3	84	84
		MRAD Milling	.1 MRAD										



Model	Objective Filter Thread	Objective Clear Aperture		Weight		Windage Adjustment Range	Elevation Adjustment Range	Max Rotations	Illumination Settings	Length	
		INCH	MM	OZ	GRAM					INCH	MM
<b>4 - 16x44</b>	M 46 x 0.75	1.8	44	25.0	709	78 MOA 22 MRAD	78 MOA 22 MRAD	6.5 MOA 4.5 MRAD	8 daytime/ 2 NV	13.6	346.4
<b>6 - 24x50mm</b>	M 52 X 0.75	2.0	50	26.2	743	52 MOA 15 MRAD	52 MOA 15 MRAD	4.3 MOA 3.0 MRAD	8 daytime/ 2 NV	15.6	397.2



## **SIG SAUER Electro-Optics Infinite Guarantee™**

SIG SAUER has manufactured the most rugged, dependable high-performance firearms for over two centuries. Our heritage of design, engineering and precision-manufactured quality predates the existence of any other optics company worldwide. We understand the importance of quality in the line of fire, at the shooting range or on your next hunt. SIG SAUER Electro-Optics had to earn the right to wear that badge and the Infinite Guarantee has your back, forever. Period.

We will repair or replace your SIG SAUER product in the event it becomes damaged or defective, at no charge to you. If we cannot repair your product, we will replace it with a product in perfect working order of equal or better physical condition. It doesn't matter how it happened, whose fault it was, or where you purchased it.

### **SIG SAUER Infinite Guarantee™**

- Unlimited Lifetime Guarantee
- Fully Transferable
- No Warranty Card Required
- No Receipt Required
- No Time Limit Applies
- No Charge

If you ever have a problem, no matter the cause, we promise to take care of you when it counts. Please note that our Infinite Guarantee does not provide coverage for intentional damage, misuse, cosmetic damage that does not affect the performance of the optic, loss, theft or unauthorized repair or modification. Excludes electronic components.



### **SIG SAUER Electronic & Tritium Component Limited 5-Year Warranty**

For components not included under the SIG SAUER® Infinite Guarantee™, this warranty covers any defects in materials and workmanship in the electronic and Tritium components of illuminated riflescopes/sights, pistol sights, electronic sights, flashlights, lasers, binoculars, spotting scopes, and rangefinders. This warranty lasts for five years from the date of manufacture. If, during that five-year period, these products are found to have electronic or Tritium component defects in materials or workmanship, SIG SAUER will repair your product, at no charge to you. If we cannot repair your product, we will replace it with a product in perfect working order of equal or better physical condition.





**FOR PRODUCT SERVICE ON THIS MODEL, PLEASE CALL 603-610-3000**

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