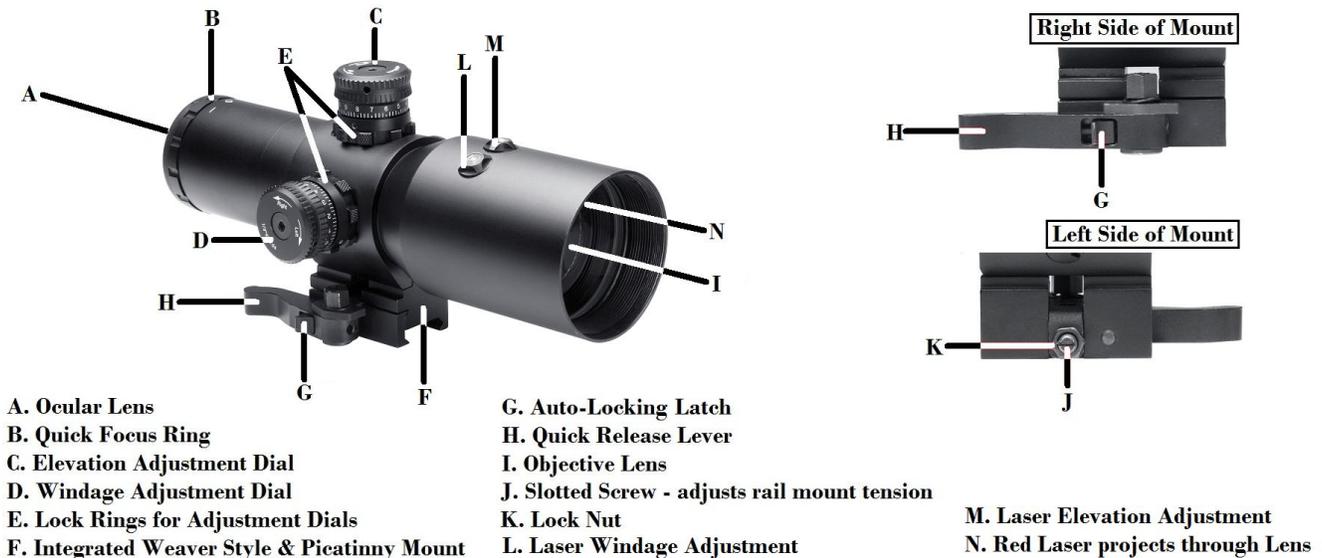


VISM CBT Scope Series with Integrated Red Laser

Congratulations on the purchase of your New VISM CBT Series Scope! The CBT Series of Scopes give you many great options so you can choose the scope that best fits your needs. Backed by a Lifetime Limited Warranty, your VISM Scope will provide you with years of reliable service. This Owner's Manual will help you understand all of the features of your new scope. Follow all instructions carefully before initial use to experience the best performance.

CBT Scope Series Features



Mounting Your CBT Scope

CAUTION: BE SURE THAT YOUR FIREARM IS UNLOADED AND POINTED IN A SAFE DIRECTION. PRACTICE SAFE FIREARMS HANDLING PROCEDURES AT ALL TIMES.

NOTE: IF YOU ARE UNFAMILIAR WITH THE PROCESS OF SCOPE MOUNTING IT MAY BE NECESSARY TO EMPLOY THE SERVICE OF A QUALIFIED GUNSMITH.

The CBT Scope is equipped with a Quick Release weaver style & Picatinny type mount with an Auto-Locking Latch. To attach the CBT Scope to a Weaver or Picatinny style rail, move the Auto-Locking Latch located within the Quick Release Lever away from the pivot point and swing the Quick Release Lever to the forward (Open) position. Place the Quick Release Mount onto the optics rail, with the Recoil Lug placed into one of the cross slots on the optics rail. Move the Quick Release Lever rearward (Closed position) to secure/tighten the Quick Release Mount to the optics rail.

On the Left side of the Quick Release Mount is a Lock Nut and Slotted Screw. The Slotted Screw is used to adjust the rail mount tension. To adjust the rail mount tension, you must first Loosen the Lock Nut Counter-Clockwise. Once the Lock Nut is loosened or removed, you can then use small flat bladed screwdriver to turn the Slotted Screw. Turn the Slotted Screw Clockwise to make the rail mount tension Tighter, turn the Slotted Screw Counter-Clockwise to make the rail mount tension Looser. To test the rail mount tension, open and close the Quick Release Lever while mounted on the optics rail. Make adjustments to the Slotted Screw until you get the proper rail tension. Once you have the rail mount tension properly adjusted, turn the Lock Nut Clockwise to Lock the Slotted Set screw in place.

Focusing Your Scope

CAUTION: VIEWING THE SUN WITH THIS SCOPE OR ANY OTHER OPTICAL DEVICE CAN CAUSE PERMANENT INJURY TO THE EYE INCLUDING BLINDNESS

Holding the CBT Scope at the proper distance from your eye, in order to achieve a Full Field of View, the reticle should appear sharp and clear. If not, it will be necessary to adjust the focus by turning the Quick Focus Ring.



1. Make quick glances through the eyepiece at a featureless bright surface such as a white wall, or the open sky.
2. Turning the Quick Focus Ring counter-clockwise will extend the Ocular Lens outward, generally suitable for those who are far sighted. Turning the Quick Focus Ring clockwise will draw the Ocular Lens inward, generally suitable for those who are near sighted.
3. Fine tune your adjustments until the reticle appears sharp and clear. Once the Ocular Lens reaches its outer limits of adjustment, be sure not to force it as doing so will cause damage to the eyepiece.

Windage and Elevation Adjustment Dials

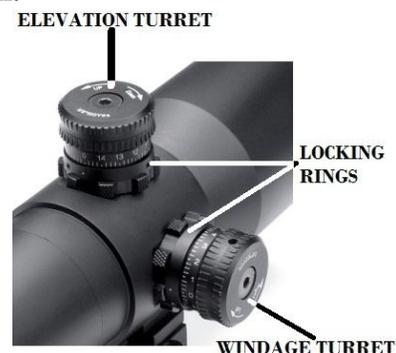
Your VISM scope is equipped with Elevation and Windage Adjustment Dials, which changes your reticles point of aim, relative to your rifles point of impact. The Elevation Adjustment Dial is located on top of the Turret Body, and is responsible for the Up and Down movement of the reticle. The Windage Adjustment Dial is located on the right side of the Turret Body, and is responsible for the Left and Right movement of the of the reticle.

The CBT series of scopes are equipped with Turret Lock Rings. On the bottom of each of the Elevation and Windage Adjustment Dials is a Locking Ring. When the Locking Ring is turned Clockwise fully, it is in the Locked position; this will prevent the Adjustment Dial from being turned. When the Locking Ring is turned Counter-Clockwise fully, it is in the Unlocked position; allowing you to turn the Adjustment Dial freely. Be careful to not over tighten the Locking Rings, or it may make it difficult to loosen later.

On the top surface of the Adjustment Dials you will notice that there are arrows indicating direction of movement. Turning the Elevation Adjustment Dial Counter-Clockwise will shift the bullet point of impact Up, and turning it Clockwise will shift the bullet point of impact Down.

Turning the Windage Adjustment Dial Counter-Clockwise will shift the bullet point of impact Right, and turning it Clockwise will shift the bullet point of impact Left.

The Elevation and Windage Adjustment Dials also feature Audible and Tactile Clicks which not only can you see and hear the Click adjustments, but you can feel them as well. Each Click moves the reticle point of aim a $\frac{1}{4}$ MOA* at 100 Yards. See the chart below to see the amount of movement of each click of the Adjustment Dials will move the reticle for your CBT scope model at various distances.



Elevation/Windage movement per click				
100 yards	200 yards	300 yards	400 yards	500 yards
1/4 MOA	1/2 MOA	3/4 MOA	1 MOA	1 1/4 MOA

*1 MOA = 1.047 Inches at 100 Yards

Your VISM Scope is factory set with a Centered Reticle necessary for efficient sighting-in. If you have made any prior adjustments to the Elevation and Windage settings it will be necessary to re-center the reticle. Turn the Elevation Adjustment Dial in either direction until it comes to a complete stop. Next, turn the dial in the opposite direction, counting the number of clicks, until you have reached the limits of the adjustment range. Divide the number of clicks in half, and turn the dial that exact number of clicks back towards the center of the adjustment range. Repeat this procedure for the Windage Adjustment Dial. The reticle is now centered.

Zeroing your Scope

After you have completed installation of your scope it will be necessary to adjust the scopes point of aim to match the rifles point of impact. This can be accomplished using several methods, but we recommend the use of a Bore Sighting Device to save time and ammunition. Using a Bore Sighting Device will ensure that your shots land “on paper”. Follow the Manufacturer’s Instructions for the Bore Sighting Device that you choose in order to achieve the best results. You are now ready to finalize your Zero.

CAUTION: ALWAYS BE SURE TO REMOVE THE BORE SIGHTING DEVICE BEFORE SHOOTING LIVE AMMUNITION. FAILURE TO DO SO CAN CAUSE DAMAGE TO YOUR FIREARM OR INJURY TO YOURSELF AND THOSE AROUND YOU.

CAUTION: 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.

Bore Sighting alone is not sufficient enough to ensure and accurate Zero. You must shoot you firearm at the range in order to confirm a 100% accurate Zero. Follow these steps to fine tune your scope adjustments:

1. Secure your firearm using a steady platform such as a bench rest
2. Fire 3 to 5 shots at a target that is set to your desired Zeroing distance.
3. Observe where the bullets have struck the target and make adjustments to the Elevation and Windage settings as necessary until your point of aim matches your point of impact.
4. Continue with this process until you have achieved your desired level of accuracy.
5. Your scope is now Zeroed to your firearm at the distance that you have chosen.

It is important to remember that many factors can affect the accuracy of your scopes zero including temperature, humidity, elevation, distance, angle, and other conditions. Changing ammunition brands can affect accuracy as well.

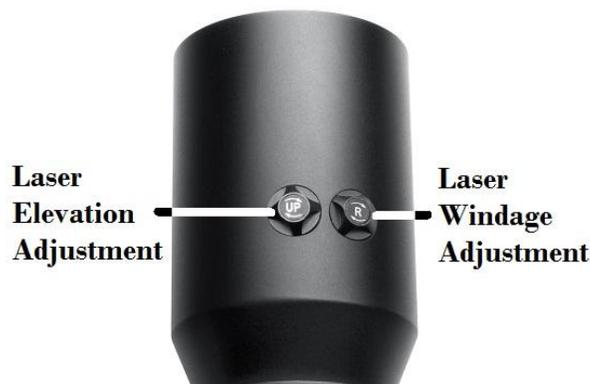
Dismounting

To remove the CBT Scope from a rail, slide the Auto-Locking Latch located within the Quick Release Lever away from the pivot point and swing the Quick Release Lever to the forward (Open) position. You can then remove the CBT Scope from the rail.

Center Beam Laser

DANGER: AVOID DIRECT EYE EXPOSURE TO THE LASER BEAM. LASER RADIATION IS EMITTED FROM THE APPERTURE.

Your VISM Center Beam Series Scope has a unique Internally Built-in Laser that can be independently Zeroed at a separate point of aim from your scopes reticle. The Elevation and Windage Adjusters that control the Laser are located on top of the Objective Housing.



The Laser Adjuster that is marked “UP” controls the Elevation (Up and Down movement) of the Laser, and the Adjuster that is marked “R” is the Windage (Left and Right movement) of the Laser.

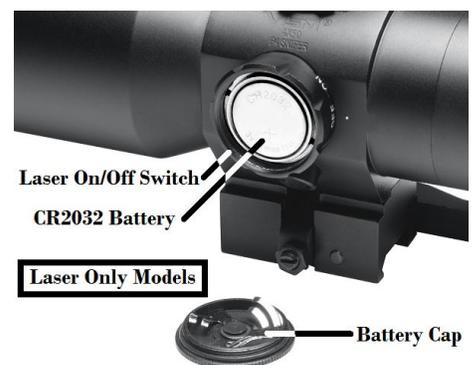
Turning the Elevation Adjuster Clockwise will move the Laser point of aim Up, while moving it Counter-Clockwise will move the Laser point of aim Down.

Turning the Windage Adjuster Clockwise will move the Laser point of aim Right, while turning it Counter-Clockwise will move the Laser point of aim Left.

CAUTION: AVOID SHINING THE LASER IN YOUR EYES, AND THE EYES OF OTHERS AROUND YOU. THE LASER EMISSIONS CAN SERIOUS INJURY TO THE EYE INCLUDING BLINDNESS

To Zero your Center Beam Laser, follow these steps:

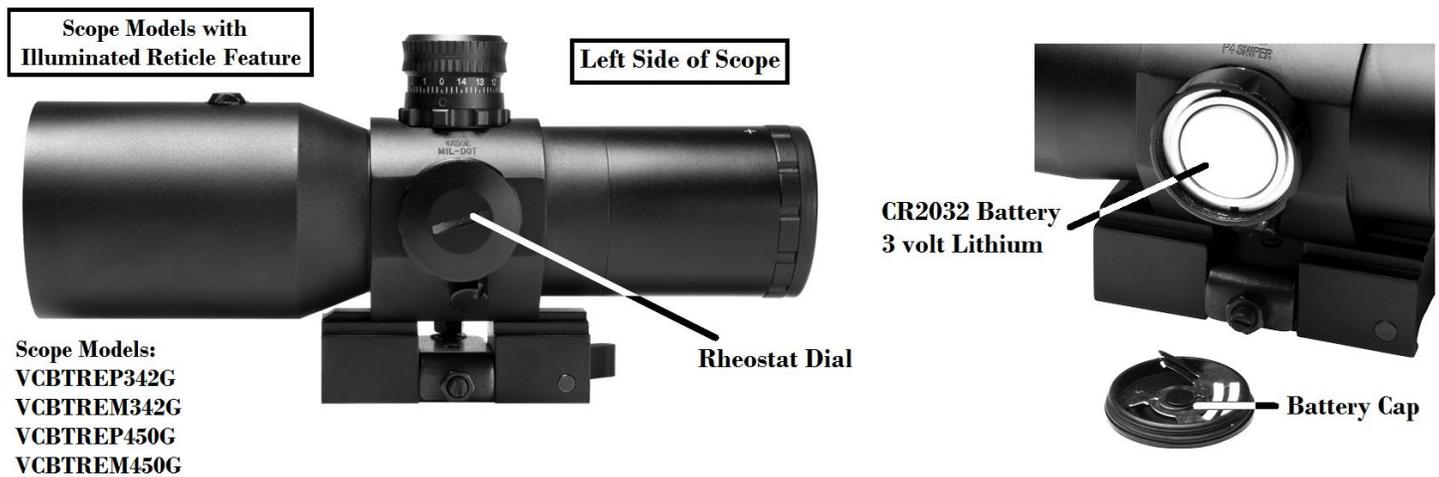
1. Secure your firearm using a steady platform such as a bench rest.
2. To turn the Laser ON, use the Rheostat Dial located on the left side of the Turret Body. For CBT scope models with the Illuminated Reticle feature, the “L” position on the Rheostat Dial will turn the Only the Laser ON, and the “B” position on the Rheostat Dial for ‘Both’ will turn the Laser and Blue Reticle Illumination ON at the same time. For CBT scopes with the only the Red Laser feature, turn the Dial Switch on the left hand side to the “ON” position.
3. Place a target at your desired distance, and fire 3 to 5 shots to establish a shot grouping on the target.
4. Using the Laser Elevation and Windage Adjusters located on the top of the Objective Bell Housing, match the Laser point of aim to the shot grouping on the target.
5. Repeat as necessary until you have achieved the desired level of accuracy.
6. To turn the Laser OFF, turn Rheostat Dial to the “0” (Illuminated Reticle models) or the “OFF” position (Laser only models).



Illuminated Reticle (Certain Models)

Some CBT Series Scope models are equipped with an Illuminated Blue Reticle feature, for use when exterior lighting conditions are less than optimal. The Rheostat Dial for the Illuminated Blue Reticle (if equipped) is located on the left side of the scope body. Control of the Illumination is achieved by simply rotating the Rheostat Dial in one direction or the other.

If you look closely at the Side of the Dial you will notice a series of numbers & letters. The “0” represents the OFF position. Illumination can be set to 5 levels of intensity, “1” being the dimmest and “5” being the brightest. Adjust the brightness level as needed in accordance with the surrounding conditions. The illumination will increase reticle visibility especially during dawn and dusk. This illuminated scope is not intended for use in total darkness. When the illumination is turned OFF the reticle will appear as normal. The “L” position on the Rheostat Dial will turn the Only the Red Laser ON, and the “B” position on the Rheostat Dial for ‘Both’ will turn the Red Laser and Blue Reticle Illumination ON at the same time. Be sure that the Rheostat Dial is set to the “0” position when not in use to preserve battery life.



Battery Installation

On the left side of the Turret Body you will find the Rheostat Dial. The Battery housing is located within the Rheostat Dial, and can be accessed by twisting the thin cap on top of the Rheostat Dial Counter-Clockwise.

Install a 3-volt Lithium CR2032 Type battery with the positive (+) side facing outward. Reinstall the Battery Housing Cap by twisting it Clockwise until tightly snug.

Function test the Laser by turning the Rheostat Dial until the “L” or “B” Marking aligns with the Indicator Dot on the Turret Body. Always keep the Laser in the “0” OFF position while not in use to preserve battery life. If you are going to store your scope for a prolonged period of time it is best to remove the battery to avoid leakage that can damage the Laser System.

CAUTION: USE ONLY BRAND NEW 3-VOLT LITHIUM CR2032 TYPE BATTERIES FOR VISM RED CENTER BEAM SERIES SCOPES. USING ANY OTHER TYPE OF BATTERY WILL DAMAGE THE LASER SYSTEM.

Care and Maintenance

Your VISM CBT Series Scope is shock proof, waterproof, and fog proof. 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 or a lens cloth. For a deep cleaning, you can also use high grade camera lens paper and camera lens cleaning solutions. Never use any other type of materials or solvents other than those designed specifically for optical lenses to avoid damaging your scope. Clean the outer portion of the lens cavity first with cotton swabs, clearing as much debris and dust as possible. Then, gently clean the lenses using a circular motion starting in the center and ending at the edges. Do not rub the lenses continually; simply wipe in short circular patterns. 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 of the lenses with the silicone cloth. It is not necessary to lubricate any part of the scope as all of the moving parts, such as the turrets and the fast focus eyepiece, are permanently lubricated. When not in use, always store your scope in a dry place with the lens caps on to prevent scratches to the lenses.

IF YOU ARE UNFAMILIAR WITH ANY OF THE PROCEDURES IN THIS MANUAL, ALWAYS SEEK THE HELP OF A QUALIFIED PROFESSIONAL TO AVOID DAMAGE TO YOUR SCOPE AND YOUR FIREARM.

VISM CBT Series Scope Specifications

Non-Illuminated Reticle Scope Models

Model Number	Reticle Type	Magnification	Objective Lens Diameter	Ocular Lens Diameter	Exit Pupil Diameter	Field Of View Feet @ 100 yds	Eye Relief	Turret Value Per Click	Lens Coating	Color Finish	Length Inches	Weight .oz
VCBTRP342G	P4	3	42 mm	38 mm	11.73 mm	35.6'	2.2"	¼ MOA	Green	Matte Black	7.0"	22.2
VCBTRM342G	Mil Dot											
VCBTRP450G	P4	4	50 mm	38 mm	12.25 mm	30.9'	2.2"	¼ MOA	Green	Matte Black	7.9"	26.6
VCBTRM450G	Mil Dot											

Illuminated Reticle Scope Models

Model Number	Reticle Type	Magnification	Objective Lens Diameter	Ocular Lens Diameter	Exit Pupil Diameter	Field Of View Feet @ 100 yds	Eye Relief	Turret Value Per Click	Lens Coating	Color Finish	Length Inches	Weight .oz
VCBTREP342G	P4	3	42 mm	38 mm	11.73 mm	35.6'	2.2"	¼ MOA	Green	Matte Black	7.0"	23.1
VCBTREM342G	Mil Dot											
VCBTREP450G	P4	4	50 mm	38 mm	12.25 mm	30.9'	2.2"	¼ MOA	Green	Matte Black	7.9"	27.5
VCBTREM450G	Mil Dot											

VISM Center Beam Series Laser Specifications

CBT Red Laser Specs:

- Laser Class: Class IIIa
- Maximum Output Power: <5mW
- Wavelength: 635-655nm
- Battery type: CR2032

