

4–16×50 Rifle Scope, Reflex Sight & Green Laser Combo User Manual



Read Carefully Before Use
Keep for Future Reference

SAFETY INFORMATION

⚠ Warning!

- **ONLY** use this device in compliance with all local and national laws and regulations concerning the use of firearms and lasers.
- **NEVER** direct this scope towards the sun, a laser, or other similarly intense light source.
- **NEVER** aim the laser directly at an aircraft or directly into the eyes of any person or animal. Do not view this laser through focused or magnified optics.
- **NEVER** direct your weapon—even an unloaded weapon—towards anything you are not willing to kill or destroy.
- **ALWAYS** make sure your weapon is completely unloaded before installing or removing this device. Remember to check the chamber.
- This product is waterproof against standard precipitation but do not allow the interior of electronic parts to become wet or handle them with wet hands. If they accidentally become wet, remove the batteries and wait for all components to dry completely before further use.

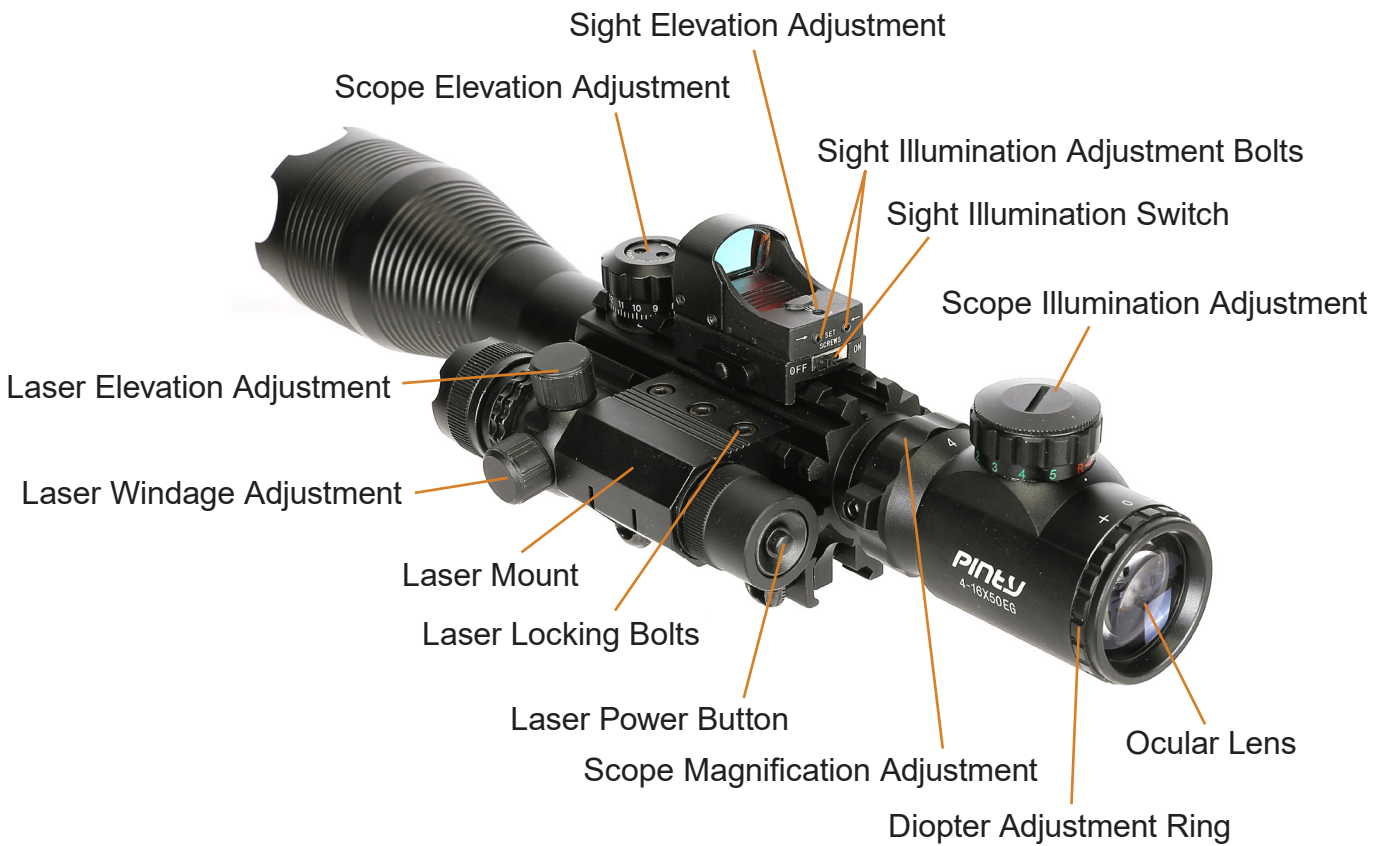
PACKAGE LIST

No.	Name	Qty.
①	Rifle Scope	1
②	Lens Cover Set	1
③	Cleaning Cloth	1
④	Green Laser	1
⑤	Laser Mount	1
⑥	Red Dot Sight	1
⑦	CR123A Battery	1
⑧	Boresighter	1
⑨	Hex Wrenches	3
⑩	CR2032 Batteries	2
⑪	AG3 Batteries	6

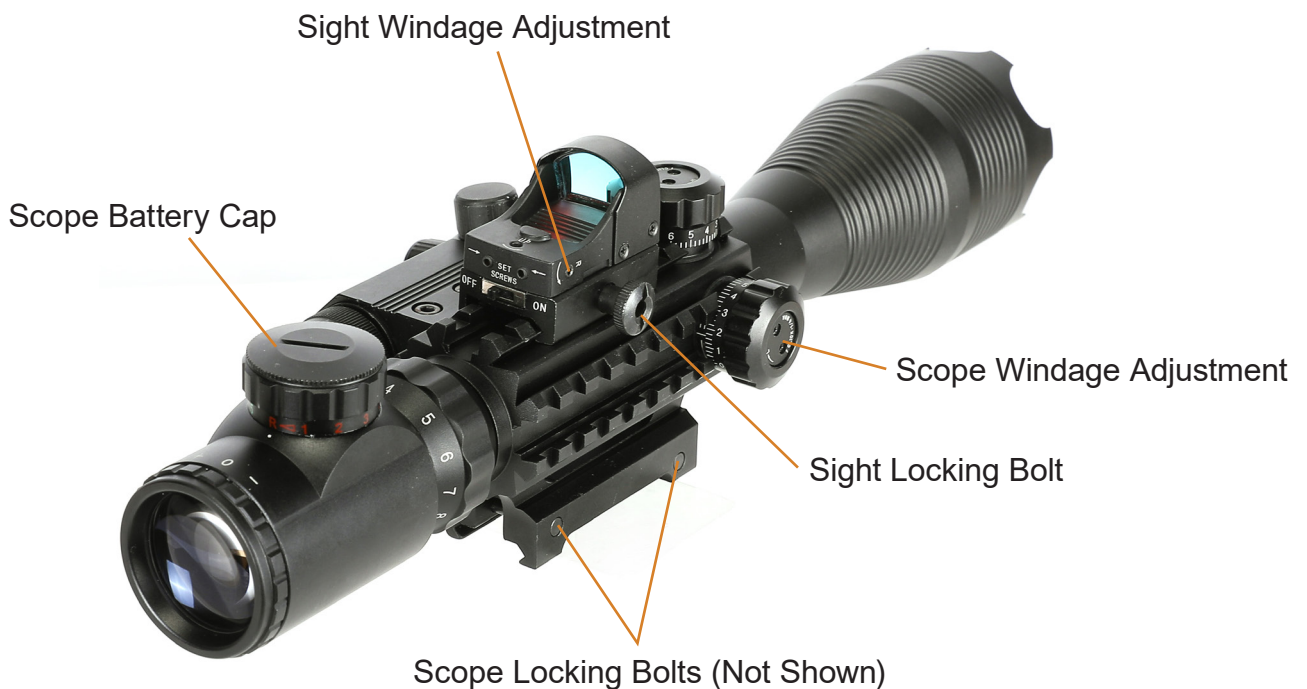


PRODUCT DIAGRAM

Left Side



Right Side



SPECIFICATIONS

Material		6061 Aluminum		
Scope	Magnification		4–16×	
	Objective Lens	Diameter	1.9 in. 50 mm	
		Max. Parallax Adjustment	∞	
	Adjustable Reticle	Type	Rangefinder	
		Brightness Levels	5	
		Colors	Red, Green	
		Adj. per Click	¼ MOA	
		Eye Relief	3.4–3 in.	86.4–76.2 mm
		Exit Pupil	0.4–0.1 in.	10–3.3 mm
		Field of View	27–10 ft. @ 100 yd.	9–3.3 m @ 100 m
Battery Type		1 × CR2032		
Sight	Dimensions		1.1 × 1.4 × 1.6 in. 28 × 35 × 40 mm	
	Reticle	Color	Red	
		Type	3 MOA Dot	
		Brightness Levels	5	
	Field of View		47.8 ft. @ 100 yd. 15.8 m @ 100 m	
Battery Type		1 × CR2032		
Laser	Class		3R	
	Max. Output Power		5 mW	
	Color (Wavelength)		Green (532nm)	
	Max. Range		980 ft. 300 m	
	Battery Type		1 × CR123A	
Boresighter	Class		3R	
	Max. Output Power		5 mW	
	Color (Wavelength)		640–660 nm	
	Sighting Range		15–100 yd. 13.72–91.44 m	
	Battery Type		6 × AG3	

INSTALLATION

Red Dot Sight

1. Fetch the three hex wrenches and use the one fit to remove the two bolts near the sight elevation adjustment marked **UP**. Remove the upper part of the sight and insert one CR2032 battery + side up. Replace the removed part of the sight and lock it tight.
2. Switch on the illumination switch to test that the reticle becomes visible in the reflex lens.
3. Use the smallest hex wrench to test that the reticle offers four options. Leave the switch set to your favorite.
4. Loosen but do not remove the sight's locking bolt. Position it on the scope's top rail with its reflex lens pointing towards the objective lens and away from the ocular lens. Tighten the locking bolts.



Laser

1. Unscrew the laser battery cap and insert the provided CR123A battery + side up. Replace and tighten the cap.
2. Test that the laser comes on when its power button is pushed. Turn it off.
3. Loosen the locking bolts on the laser mount with the thickest hex wrench of the three. Position the laser on the scope's left rail with its aperture pointing towards the objective lens and away from the ocular lens. Retighten the locking bolts.

Scope

1. Remove the cap from the scope illumination adjustment above the eyepiece to expose the scope's battery compartment. Install the second CR2032 battery + side up. Replace the cap, pressing and tightening until it locks itself in place.
2. Test that the reticles appear in green or red at different brightness levels when the illumination adjustment knob is turned. Turn them off.
3. Loosen the locking scope's locking bolts. Position the scope on your firearm's top rail at a comfortable distance with its objective lens pointing towards the muzzle and away from the stock. Retighten the bolts.
4. Adjust the position of the other accessories as needed.

ADJUSTMENT

1. Remove the lens cover from around the ocular lens to expose the diopter adjustment ring shown in the image. Point your weapon at a safe light object or background. Quickly glance through the scope and see if its reticle comes clearly and sharply into focus. If it does not, turn the diopter adjustment ring slightly. Continue your adjustments and observations until the reticle does appear in immediate and sharp relief.



2. Adjust the scope reticle's brightness and color as needed using the scope illumination adjustment knob on top of the eyepiece. Turning it towards you (clockwise) will first increase the brightness in the current color and then change to the next color, beginning at its lowest brightness. Turning it away (counterclockwise) will first decrease the brightness in the current color and then change to the next color, beginning at its highest brightness.

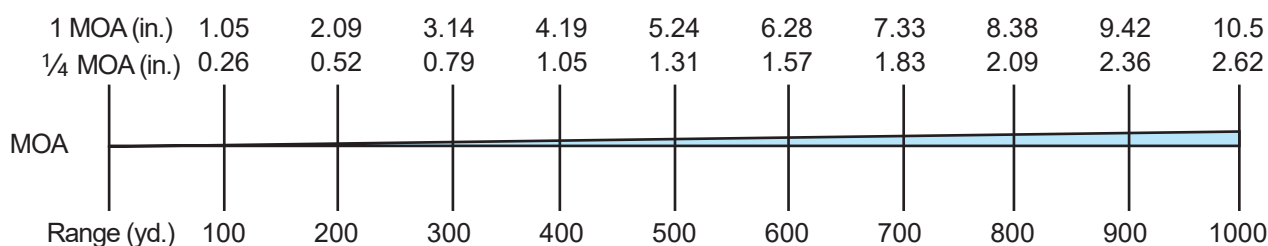


Using the lowest illumination suitable for your environment will extend your battery life and minimize your eyes' adjustment looking back and forth from your scope.

3. Adjust the sight's brightness and color as needed using the knob on top of the sight. Turning it counterclockwise will first decrease the brightness of the current color, then turn the reticle off, and then change to the next color, beginning at its highest brightness. Turning it clockwise will first increase the brightness of the current color, then turn the reticle off, and then change to the next color, beginning at its lowest brightness.
4. When shooting past 300 yards, the focal planes of the reticle and scope can separate, causing you to aim somewhere other than the center of your target. Correct this misalignment using the parallax adjustment ring. Set the ring to its maximum setting (∞), stabilize your weapon as completely as possible, and move your head slightly right and left, up and down. If the reticle remains locked in place as your head moves, your parallax is correct. If the reticle seems to move away as your head moves, begin adjusting the parallax distance down until the reticle locks in place. If you overcompensate and the reticle begins to move in the same direction as your head, the parallax distance has been set too low. Turn back towards infinity until the reticle locks in place.
5. Go to your range or another safe and legal location for shooting practice. Place a target at the primary distance you want to use for your scope. 100 yards across level ground is standard. Stabilize your weapon as completely as possible, aim directly at the center of the target, and fire. If the point of impact (POI) is on the paper, fire an additional 2–4 additional shots. If this cluster varies appreciably from your point of aim (POA), adjust your scope's windage and elevation using their average divergence.

If your first bullet strikes completely off the paper, you might try using a closer target to correct the largest problems. For bolt-action rifles, you can do this without wasting ammunition by removing the bolt and adjusting the position of the weapon in a firm vise to center the view down the barrel on a target at 25 yards. Adjust the scope's windage and elevation to center the reticle on the target in the new position. Then turn the elevation adjustment 4 or 8 clicks clockwise to lower the POA one inch to adjust for the closer distance. Replace the bolt and return to your target at 100 yards.

6. On windy days or in locations where shooting ranges are unavailable or cost prohibitive, a laser boresighter (not included) can be used instead. Follow its separate instructions, aligning the reticle and laser dot with the boresighter's dot. Bear in mind, however, that this can only provide rough and inexact alignment. The laser follows a straight path rather than the arc of an actual bullet and even the slightest misplacement creates noticeable divergence at longer ranges.
7. Adjust the scope's horizontal alignment using the windage adjustment knob on the right. Turn the knob away from you (clockwise) if the POI is too far to the right and turn it towards you (counterclockwise) if it is too far to the left. Each click will be $\frac{1}{4}$ minute of angle (MOA), with each MOA measuring almost exactly one inch at a range of 100 yards (2.9 cm at 100 m).



8. Adjust the scope's vertical alignment using the elevation knob above the scope. Turn the knob clockwise if the POI on your target is too high. Turn counterclockwise if it is too low. Again, each click will be $\frac{1}{4}$ MOA.
9. Adjust the sight's horizontal alignment using its windage adjustment bolt, located near the its locking bolt and marked **R**. Use the smallest hex wrench to rotate the sight's bolt. Turn the bolt clockwise if the POI is too far to the right and needs to be moved left. Turn it counterclockwise if it is too far to the left and needs to be moved right. There will be no clicks as you adjust, so go slowly until you have a feel for the distance of each turn.
10. Adjust the sight's vertical alignments using its elevation adjustment bolt located near its power button and marked **UP**. Use the smallest hex wrench to rotate the sight's bolt. Turn the bolt clockwise if the POI is too high and the POA needs to be moved down. Turn the bolt counterclockwise if the POI is too low and the POA needs to be moved up. Again, there will be no clicks as you adjust, so go slowly until you have a feel for the distance of each turn.
11. Adjust the laser's horizontal alignments using its windage adjustment. Remove the cap over. Turn the adjustment bolt clockwise if the POI is too far to the right and needs to be moved left. Turn it counterclockwise if it is too far to the left and needs to be moved right. There will be no clicks as you adjust, so go slowly until you have a feel for the distance of each turn.
12. Adjust the laser's vertical alignments using their elevation adjustment. Remove the cap. Turn the bolt clockwise if the POI is too high and the POA needs to be moved down. Turn the bolt counterclockwise if the POI is too low and the POA needs to be moved up. Again, there will be no clicks as you adjust, so go slowly until you have a feel for the distance of each turn.
13. Fire additional sets of 3 or 5 shots, adjusting until your clusters hug the center of your target. For best results with long range alignments, check that your barrel remains cool after repeated shooting. If it begins to noticeably heat, cool it or wait for it to become cool to limit its thermal expansion.

MAINTENANCE

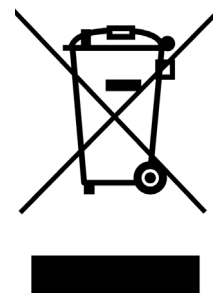
- Clean the lenses as needed using the provided cloth and gentle alcohol-free cleaning agents. The other exterior surfaces of the scope can be cleaned with any soft damp cloth. Do not use abrasive cleaners or caustic chemicals.
- Check all parts of the scope for any wear or damage between uses. Repair or replace any problematic parts before further use.
- If the scope will not be used for a prolonged period of time, clean it and replace all caps before storing it in a cool dry place away from direct sunlight and inaccessible to children.

TROUBLESHOOTING

Potential Problems	Usual Solution(s)
General Misalignment	Check that the scope is well placed and secured on your rail.
	Place a target 25 yards or meters away. Secure your weapon in a vise or other firm support so it is directly pointed at the target. Fire repeated shots without using the scope or moving the weapon but waiting for the barrel to cool each time. If your points of impact do not overlap, clean the barrel, rifling, or groove on your weapon and check for misalignment.
Vertical POI/POA Misalignment	Use the scope elevation adjustment knob.
	Use a gun vise and spirit level or equivalent tools to confirm the scope is mounted perfectly level. Adjust the rail or bolts as needed to correct any issues.
	Clean the barrel, rifling, or groove on your weapon and check for any vertical misplacement.
Horizontal POI/POA Misalignment	Use the scope windage adjustment knob.
	Use a gun vise and spirit level or equivalent tools to confirm the scope is mounted without any cant. Adjust the rail or bolts as needed to correct any issues.
	Clean the barrel, rifling, or groove on your weapon and check for any horizontal misplacement or damage.

DISPOSAL

Electrical products should not be disposed of with household products. In the EU and UK, according to the European Directive 2012/19/EU for the disposal of electrical and electronic equipment and its implementation in national laws, used electrical products must be collected separately and disposed of at the collection points provided for this purpose. Locations in Australia, Canada, and the United States may have similar regulations. Contact your local authorities or dealer for disposal and recycling advice.



CONTACT US

Thank you for choosing our products! If you have any questions or comments, contact us at contact@cshelppgroup.com and we'll resolve your issue ASAP!

For a .pdf copy of the latest version of these instructions, use the appropriate app on your smartphone to scan the QR code to the right.



