

## Premier Heritage™ 3-15X50 User Manual



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PREMIER:RETICLES

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**Warning:**

Failure to follow the instructions outlined in this manual could result in the damage or destruction of the optic, its accessories, and/or bodily injury.

**Warning:**

Under no circumstances should you look through the optic directly at the sun or laser light devices. Doing so could result in severe and/or permanent eye damage.

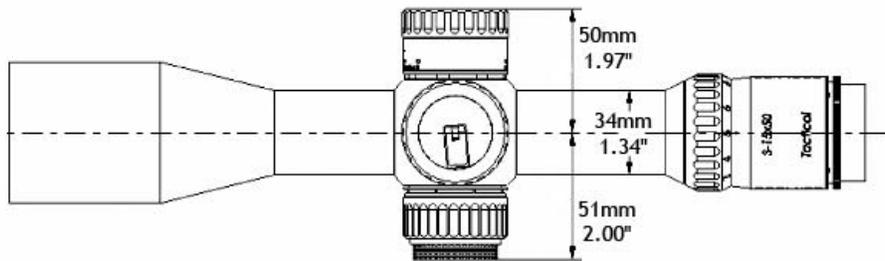
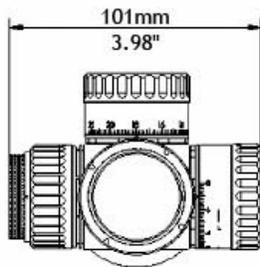
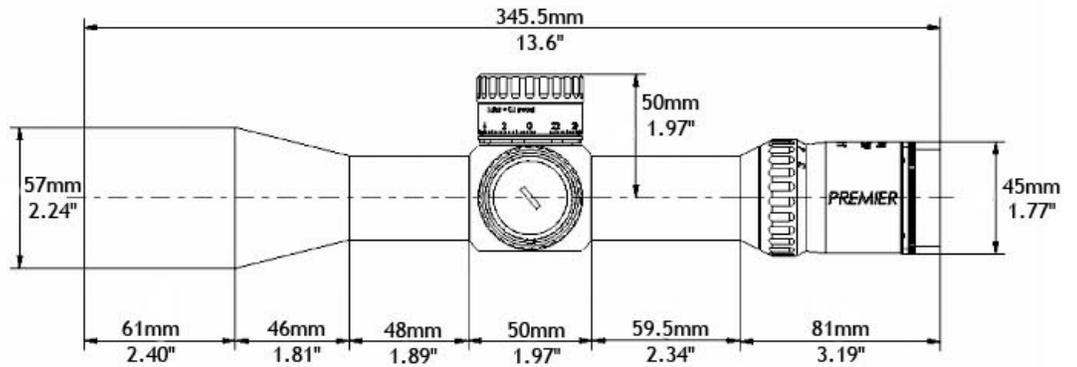
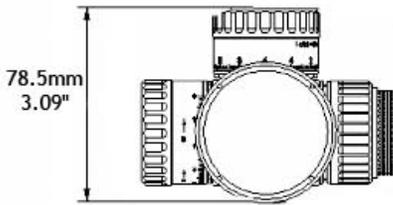
**Mounting Hardware:**

Premier Reticles recommends that only high quality rings and bases made from steel or aluminum be used to mount the scope to a rifle and that all manufacturers' instructions should be followed. With the articulating lens covers ring height should be no less than .97" to ensure no contact is made between the cover and the barrel.

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## Design And Layout:

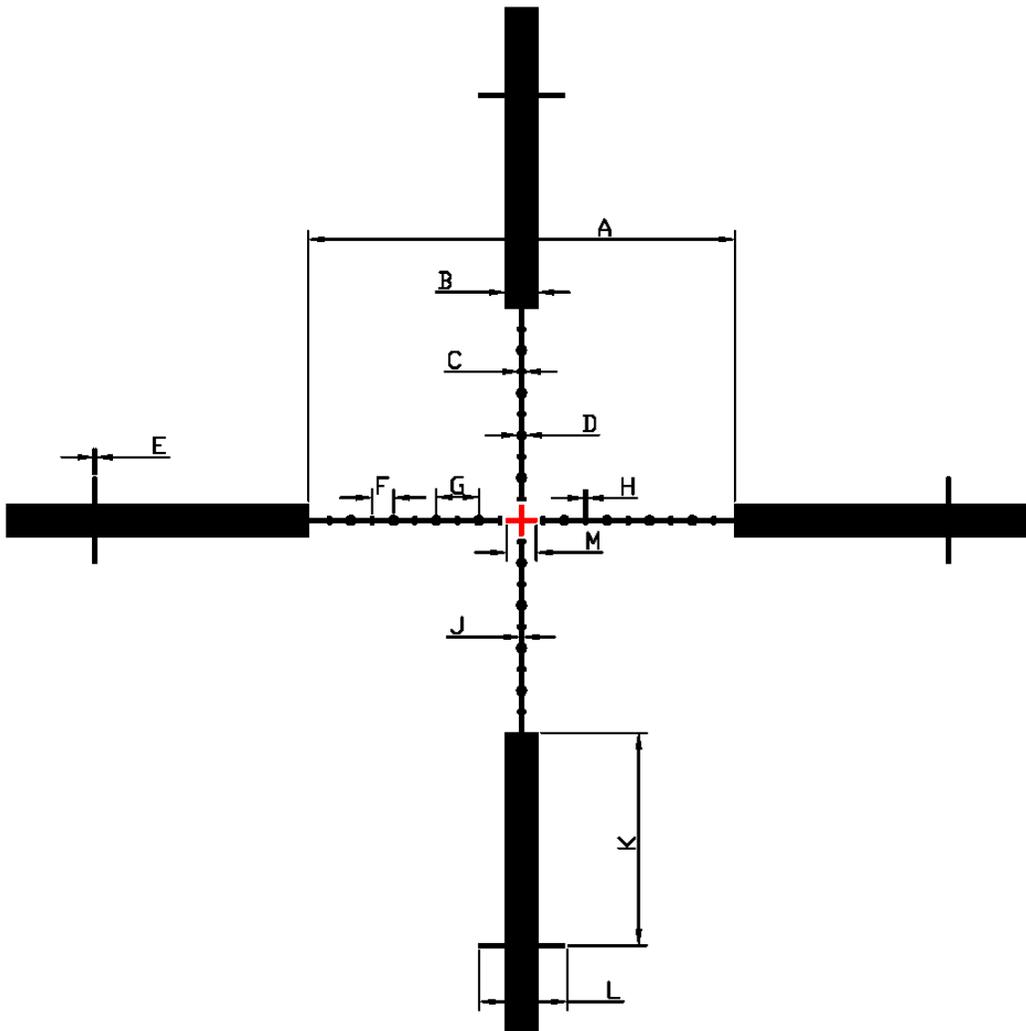


**Specifications:**

Length: **13.6"**  
 Height: **3.09"**  
 Width: **3.98"**  
 Weight: **38 oz.**  
 Tube Diameter: **34mm**  
 Objective Diameter: **50mm**  
 Magnification: **3X-15X**  
 Eye Relief: **3.54"**  
 Exit Pupil: **11.5mm – 3.5mm**  
 Diopter Range: **-3 to +2.5**

Reticle: **Illuminated Gen 2 Mil-dot Reticle**  
 Illumination Range: **11 Intensity Settings;**  
**6-Hour Auto Shut Off**  
 Battery: **CR2032**  
 Click Value: **0.1 mrad**  
 Elevation Knob: **22 mrad**  
 Windage Knob: **±8 mrad**  
 Total Internal Travel: **117 MOA / 34 mrad**  
 Parallax Range: **50m – Infinity**

**Gen II Mil Dot™**



Units	A	B	C	D	E	F	G	H	J	K	L	M
mrad	10	0.75	0.15	0.2	0.06	0.5	1	0.06	0.06	5	2	0.56
in/100yd	36	2.7	0.54	0.72	0.216	1.8	3.6	0.216	0.216	18	7.2	2.0
cm/100m	100	7.5	1.5	2	0.6	5	10	0.6	0.6	50	20	5.6

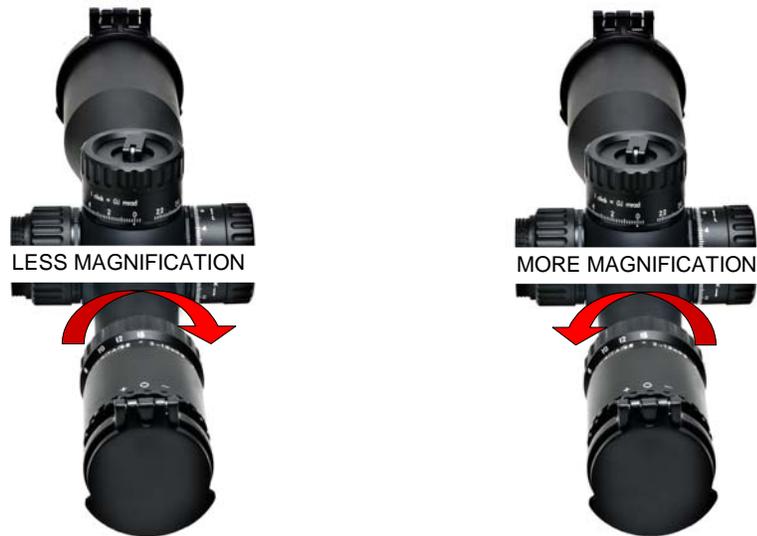
## Basic Operation:

### Adjusting the Diopter:

1. Loosen the ocular lock ring by turning it counter clockwise.
2. Look through the ocular and adjust it in or out until the reticle is clearly in focus.
3. Now look away and look back through the ocular to ensure the reticle is still crisp and clear from edge to edge.
4. Once the ocular is set to proper dioption, tighten the ocular lock ring by turning it clockwise until it is snug.

### Adjusting Magnification:

1. Grasp the magnification ring and rotate to the desired level of magnification.



### Note:

As the magnification increases or decreases the reticle will appear to become thicker or thinner, this is a result of the reticle being in the first focal plane. The reticle does not actually become any thicker or thinner but it maintains its subtension relative to the image so that ranging and trajectory compensation using the reticle can be done anywhere along the magnification range.

**Illumination Function:**

1. Grasp the outermost knob and pull away from the scope to enable the illumination function.



2. Rotate the knob clockwise and select one of the eleven intensity settings. The illumination will shut off between intensity settings however the barrel cannot be pushed back in. The illumination also has a six-hour auto shut off feature that helps preserve battery life.



3. To turn off the illumination rotate the knob counter clockwise until the knob hits the stop and then push the illumination knob back in.



**Changing the battery:**

1. Use a coin or similar object to insert into the slot on the battery cover.
2. Rotate counter clockwise until the cover can be removed to expose the battery.
3. Remove the battery and replace with a fresh CR2032 coin cell battery.
4. Replace the battery cover and rotate clockwise until snug.

### Adjusting Parallax:

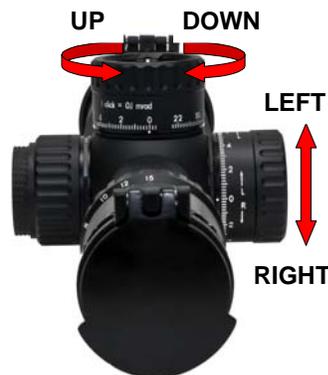
Parallax is the apparent movement of the reticle against the target caused by the reticle and target image not being on the same focal plane. When there is no parallax, the user can move their head slightly while looking through the scope and see no apparent movement of the reticle against the target. The Heritage™ has a large parallax knob on the left side that will allow the user to get parallax free from 50 meters to infinity.

To remove parallax, look through the scope towards the target and move the head down slightly, looking for any movement of the reticle against the target. Follow the instructions below to get parallax free.



### Operating The Elevation/Windage Knobs:

The elevation and windage knobs are single turn knobs with 0.1 milliradian clicks and a more tactile "clunk" every ten clicks, there is also a zero stop .5 milliradian below zero. This is done so that the user can quickly make adjustments with confidence without having to look at the knobs, even in complete darkness if necessary. When zeroing the knobs the reticle can easily be used to calculate the correct necessary since both the adjustments and reticle are in milliradian. The Heritage™ is shipped optically and mechanically centered meaning that the user has equal elevation and windage travel to aid in zeroing the optic.



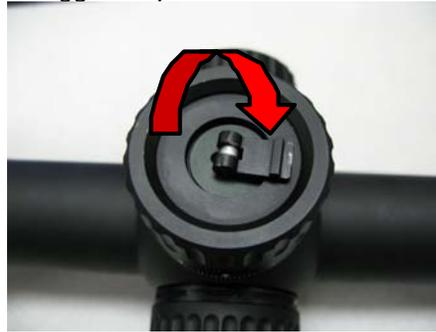
**Note:** The elevation and windage knobs may feel stiff when first received however the feeling of the clicks and clunks should improve with use.

**Zeroing out the knobs:**

1. Use a cartridge case or other object to lift the Lever-Lock™ toggle on top of the elevation and windage knobs.



2. Flip the toggle 180° until the toggle is upside down.



3. Grasp the knob and reset it to zero. While turning the knob it will still have audible clicks and clunks however there will be no change in zero.

4. Once the knob is reset to zero, flip the toggle back to the upright position.



5. Now, attempt to close the toggle. Firm steady pressure should be used to close the toggle correctly. If the toggle is not in the optimal position then the toggle will not close or it will require excessive pressure to close. If excessive pressure is necessary to close the toggle, lift it and turn counter clockwise  $1/16^{\text{th}}$  of a turn, then retry. Too little pressure on the toggle can result in the toggle becoming loose while turning the knob, which can result in no correction being made despite audible clicks and clunks.

**The Articulating Objective and Ocular Covers:**

The Heritage™ is available with articulating lens covers that fold completely back and can be easily configured to open according to the user's preferences.



**Removal of the Objective and Ocular Lens Covers:**

1. Place the heel of the hand on the face of the cover and use the fingers to pry the edges of the cover over the ridge on the finish ring.



2. Once the edge of the cover is over the ridge in several places, it should easily come off exposing the ridge that goes around the finish ring.



**Installation of the Objective and Ocular Lens Covers:**

1. Place the cover over the ridge on the finish ring.
2. Use the heel of the hand to press firmly against the cover until it snaps into place.
3. Position the cover as necessary.

**Installation of the Anti-Reflection Device:**

1. Remove the objective cover per the instructions above.
2. Thread the ARD into the threads on the finish ring.
3. Turn the ARD clockwise until snug. Do not tighten beyond hand tight as too much force can cause the ARD to lock up and potentially damage the ARD when attempting to remove it.
4. While the ARD is in place the objective cover cannot be used, take measures to prevent its loss or damage.

### **Maintaining The Scope:**

The Heritage™ is designed to be a very durable optic built to withstand harsh use, however this does not mean it is completely maintenance free, follow the steps below to ensure your scope will stay in good working order.

### **General Maintenance:**

#### **Main Tube:**

1. Inspect the main tube for dents, scrapes, and/or gouges that could affect the function of the scope.
2. Wipe the main tube down with a soft, lint-free cloth.

#### **Moving Parts:**

1. Ensure the fit, form, and function of all moving parts by working them several times to look for any rough movement or lock up.
2. Inspect for broken or missing parts.
3. Use a soft bristle brush to remove dust and other debris from moving parts.

#### **Lenses:**

1. Inspect lenses for scratches or nicks to the lens surface.
2. Use a soft bristle, optics-quality lens brush to remove dirt and large particles from the lens surface.
3. Use a lens pen or optics-quality lens cleaning solution in addition to quality lens paper to clean the lens surface by using a spiral motion beginning at the center of the lens and moving out towards the edge of the glass.
4. Remove any residue or streaks from the lens surface using the lens pen or a piece of lens paper.

#### **Flip Caps:**

1. Inspect the objective and ocular covers for damaged or missing parts.
2. Remove the objective and ocular covers and clean with warm, soapy water.
3. Rinse with clean water and allow to air dry.

#### **Anti-Reflection Device:**

1. Remove the ARD from the optic and inspect the honeycomb structure for grit, dirt, or other foreign matter.
2. Blow through the honeycomb to remove any grit, dirt, or other foreign matter present.
3. If necessary run plain water through the honeycomb to clear any debris.
4. Tap the housing lightly on a solid object to clear any excess water and blow through the honeycomb to dry.

### **Operation and Maintenance in Special Climates:**

#### **Cold Weather:**

1. Protect the optic from extreme temperature changes when at all possible. If bringing the optic into warm room from a cold environment, place a scope cover over the optic and do not remove the cover until it has reached room temperature.
2. Condensation should be removed using a soft cloth and the optics should be dried using a cleaning cloth or lens pen.
3. At low temperatures the moving parts and knobs can become stiff and difficult to move. Rotate them repeatedly to loosen them up and turn more freely. If moving them repeatedly does not correct the problem use a piece of cloth to rub the parts to build friction and slowly warm the parts. Avoid warming the optical components quickly and with too much heat, doing so can cause damage. Do not breathe on the glass components to warm them up.

**Arid Weather:**

1. Protect the optic from dust and sand, this means all moving parts and glass components. Failure to do so can cause permanent damage to lens coatings and the possible failure of moving parts from the build up of sand and grit.
2. Keep rubber parts flexible by rubbing them with talcum powder.

**Humid Weather:**

1. High humidity and salty environments will enhance corrosion.
2. Inspect the optic often for corrosion damage and service accordingly.

**Maintenance Plan:**

<b>Item</b>	<b>Component</b>	<b>Inspection</b>	<b>When? Before/After</b>
1.	Main Tube	Damage, Cleanliness	B/A
2.	Lenses	Damage, Cleanliness	B/A
3.	Lens Covers	Damage, Cleanliness	B/A
4.	Battery	Performance, Leakage	B/A
5.	Battery Cap	Damage, Function	B/A
6.	Diopter, Elevation/Windage Adjustment, Parallax, and Illumination Control	Damage, Fit, Form, and Function	B/A

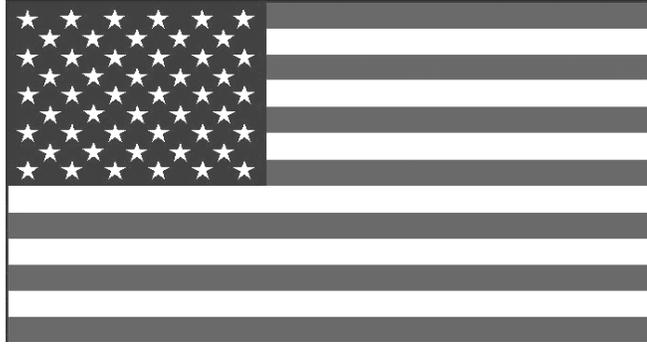
### Troubleshooting Chart:

Problem	Cause	Corrective Action
Reticle will not illuminate.	Weak/Dead Battery.	Change CR2032 battery.
	Damaged illumination band.	Return for repair.
Reticle will not focus.	Diopter not adjusted properly.	Adjust diopter per instructions and secure lock ring.
Spots on the reticle or in the field of view.	Dirt or other material on the reticle and/or internal lenses.	Return for repair
Target will not focus.	Parallax not adjusted properly.	Adjust parallax per instructions.
	Loose internal lens.	Return for repair.
Magnification will not change.	Power adjustment ring locked.	Return for repair.
Lever-Lock™ toggle will not open.	Too much pressure on the toggle when closed.	Lift the toggle carefully if possible to prevent damage and reset per the instructions.
	Toggle damaged.	Return for repair.
Elevation and/or windage will not track properly.	Lever-Lock™ toggle not tightened properly and has become loose during knob operation.	Tighten the Cam Lock toggle to the proper tension per the instructions.
	Damaged elevation or windage knob or damaged internal components.	Return for repair.
Lenses fog internally and/or moisture on internal lenses.	Failed o-ring seal.	Return for repair.
Lens covers will not open or close properly.	Covers are not seated properly.	Seat the covers over the ridge per the instructions.
	Damaged covers.	Replace lens cover.
Scope tube bent and/or otherwise damaged.	Improper mounting.	Return for repair.
	Dropped.	
	Other hard impact.	

### Warranty/Repair:

The Premier Heritage™ is backed by a lifetime warranty. If there is a problem with your scope that requires repair or replacement of a component that goes beyond what is outlined in this manual contact us. **DO NOT** attempt to repair anything outside of what is outlined in this manual.

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