

Bullet drop compensation chevrons are calibrated for the 7.62x54R round. The top mark is for 300-900m and the others are for 1000, 1100, 1200, and 1300 meters accordingly.

This scale can be used for windage correction with each division shifting the striking point ten inches for every one meters of distance. The rangefinder works under the guidelines that a 1m or 40" wide/long target will fit between the small marks. Based on this you can find out the distance to a target of any size.

Using the scope

While aiming you must put your eye on the optical axis of the scope so the image appears flat and without shadows on the edges. Using the rubber eyepiece will help you to properly align your eye on the optical axis and ensure the proper eye relief. Use the extendable shade available on some models for shooting in bright daylight conditions to prevent sunshine directly striking the objective lens and preventing excessive glare. While shooting at moving targets it is necessary to aim ahead of the target by estimating the speed of the target and the distance to it. The faster the target moves and the further the distance to it the further ahead you'll have to aim. Have the moving target aligned with horizontal hairs of the reticule as you aiming.

SAFEKEEPING

Avoid hard strikes to the scope or dropping it. After using the scope in wet conditions wipe it with dry soft cloth and leave it to dry out at a temperature not exceeding 112 F°. To protect the glass surfaces of the scope always use objective lens and eyepiece cups when the scope is not in use. When not in use keep the scope in a dry place at room temperature with humidity not exceeding 80% .

NEVER ATTEMPT TO FIX THE SCOPE YOURSELF OR TAKE IT APART FOR WHATEVER REASON. VIOLATION WILL VOID THE WARRANTY.

WARRANTY

The scope meets or exceeds the quality standards set forth by the manufacturer and its technical specifications match those listed in this manual. The scope carries a 12 month limited warranty against manufacturing defects from the date of sale. If the scope fails during the warranty period the customer is entitled to have the scope repaired or fixed at the discretion of Kalinka Optics. Each party is responsible for shipping cost of the scope at their end. The scope must be shipped to Kalinka Optics per the return/warranty policies set out at www.kalinkaoptics.com. Absolutely no returns or warranty claims will be processed without a Return Authorization Number, see the site for details. If maintenance or feasible and justifiable repairs have to be done upon expiration of the warranty period, all costs related to these services is responsibility of the customer.

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Kalinka Optics Warehouse User Manual

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POSP Zoom Magnification Rifle Scope Manual



INTRODUCTION

Before using the scope carefully read this instruction manual. The most advanced Eastern optic available, the POSP 3-9x42 (military designation 1P21) is available in 3-9x or 4-12x power. This tank of a scope has a dual illuminated (two bulbs) reticle and automatic elevation adjustments; it is virtually an automatic version of the original POSP. Baseline zero of the sight is accomplished by the use of two recessed turret adjusters. Once this is done, the sight uses a one-knob adjusting wheel for all three functions of zoom, range estimation, and angle of adjustment of the sight. Once the user zooms in to fit the target into a scale located on the rangefinder, the scope has already estimated the range. Range in hundreds of meters is indicated at the top of the sight reticle. Although based upon the 7.62x54R caliber of weapons, this sight will also be useful on other calibers of rifles. It features professionally ground, crystal clear optics, nitrogen filling to prevent lens fogging, and larger diameter tubes for improved light gathering under the most severe conditions. It is waterproof and can be used in any climate condition. It comes with a high quality mil-spec medium-dark gray hammer finish. If you want the look and performance of a true POSP and place a premium on shooting comfort, this is your best choice. This scope is equipped with the Russian Standard Small Arms Mounting System that can be easily mounted to any automatic weapon with a side rail. Although originally designed for the SVD Dragunov and PKM machine gun, it will correctly fit all types of both AK and SVD side plates including Tigr, NDM-86, Vepr, Saiga, Romanian SAR 1/2/3, Romak 1/2, PSL/Romak3, MTK, MTK-01B, and others. This sight fits low to the receiver, lower than most POSP models, and therefore it provides excellent cheek weld on standard military stocks. Because of this, it also sits more to the left than some PSO models, and therefore may not be suitable for some left handed shooters. The D-357 button batteries are common watch batteries available at www.kalinkaoptics.com or any local store.

SPECIFICATIONS

Magnification	3-9x	4-12x
Field of view	6.2-2.4°	5-2o
Objective aperture	42 mm	42 mm
Exit pupil diameter	10.6-4.1 mm	10-3.3 mm
Eye Relief/Pupil exit distance.	76-73 mm	100-65 mm
Illuminated reticle	built-in (red)	built-in (red)
Supply voltage	3V (2xD-357)	3V (2xD-357)
Operating temperature	-50 to +50oC	-50 to +50oC
Overall dimensions	400x164x83 mm	400x130x75 mm
Weight	1.3 kg	1.3 kg

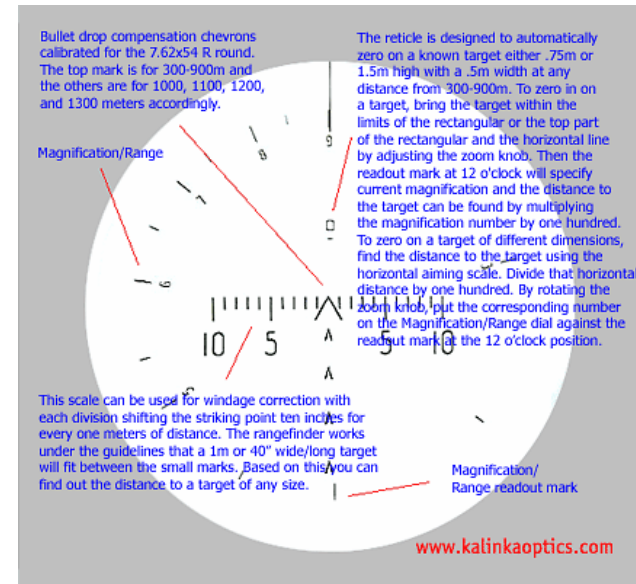
Standard Accessories

Scope w/ illuminated reticle, Rubber eyepiece, Manual, Carry case

the BDC (Bullet Drop Compensation) to work correctly. The scope is designed to mount on the gun to allow you access to iron sight for shots up to 300 yards. However if you have no access to a 300m range, you can still sight the scope in at 100 yards and have fully functional BDC. To do so sight the scope in so the group of shots is 4" above the bull's eye. When you'll be shooting at 300m your shots should be right on the money. Each click on windage or elevation knob has a value of ¼ MOA or at 100 yards one click will move the reticle in either direction by ¼ ".

Reticule Description

The reticule consists of: Magnification Dial, Range-finding Box, and Aiming reticule.



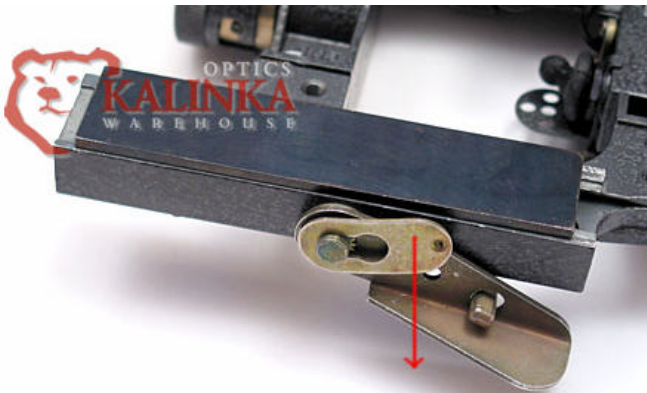
Magnification/Range

The reticle is designed to automatically zero on a known target either .75m or 1.5m high with a .5m width at any distance from 300-900m. To zero in on a target, bring the target within the limits of the rectangular or the top part of the rectangular and the horizontal line by adjusting the zoom knob. Then the readout mark at 12 o'clock will specify current magnification and the distance to the target can be found by multiplying the magnification number by one hundred. To zero on a target of different dimensions, find the distance to the target using the horizontal aiming scale. Divide that horizontal distance by one hundred. By rotating the zoom knob, put the corresponding number on the Magnification/Range dial against the readout mark at the 12 o'clock position.



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Step 7: Simply slide the clip back into the indentation. Try the fit, make sure the scope will slide onto the plate easily, and will also tighten up. There should be a moderate amount of tension on the lever when it is about 85 percent closed, and it should take mild pressure to lock it completely. Do not over-tighten. Repeat the procedure to adjust the tension if needed.



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Using the Reticle

Once the scope is securely mounted on the weapon and you are ready to sight it in make sure that the scope is set at 3x magnification. To set the magnification at 3x, adjust the magnification knob located on the right side of the scope, so the mark on the magnification dial with “3” covers the magnification readout mark at 12 o’clock position. The scope has to be sighted in at 300 m or 330 yards for

Optional Accessories

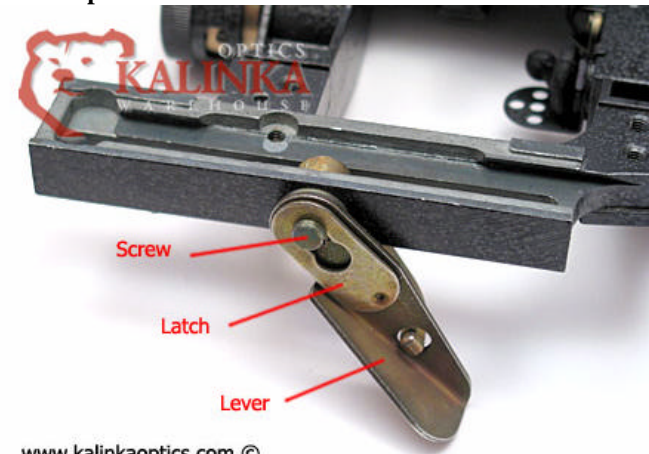
Colored bulbs, Light filters, Mounting plates, Eyepieces, Winter battery adapters, Protective mounted scope covers.

GENERAL DESCRIPTION

The Battery

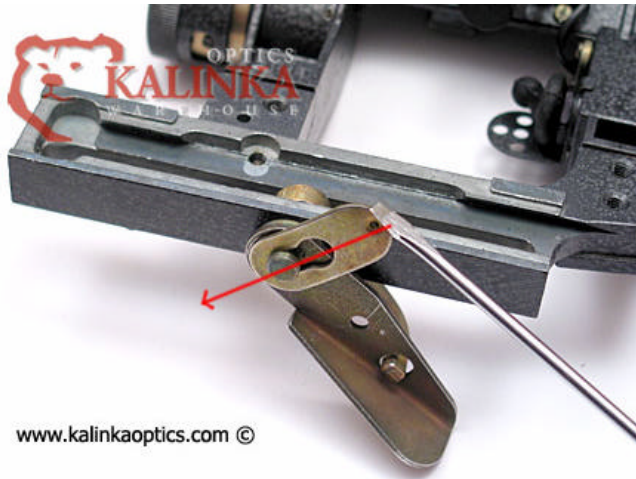
The scope uses two D-357 silver-oxide batteries. Remove the cover from the battery compartment by pressing it down and twisting it counter clockwise. Install new battery keeping the polarity, close the battery compartment. The battery goes in counter-intuitively. The side with the writing, the + side, goes in first. If reticule loses its brightness over time, replace the battery.

Mounting the Scope



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Step 1&2: Locate the retaining clip that is holding the lever onto the scope. Place a small flat screwdriver blade on the edge of the retaining clip, and using your thumb rotate the retainer out of its indentation. Once the retaining clip is rotated 90 degrees, you can easily slide it off of the center shaft of the clamp lever. It will now pull off of the scope.



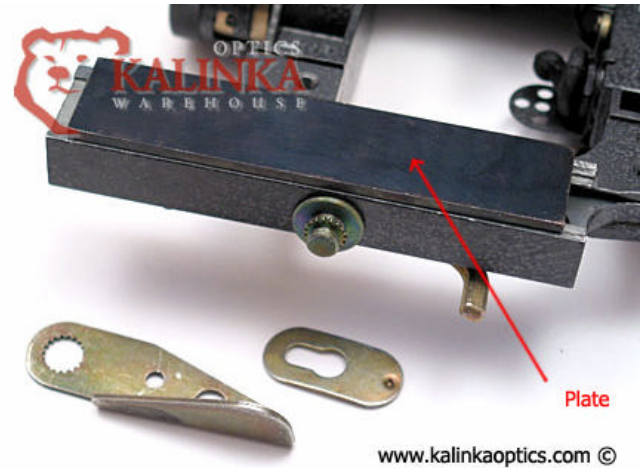
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Step 3: Once the clip is removed, you can disengage the lever from its gear on the center shaft. Be sure not to lose the clip or the washer underneath the lever.



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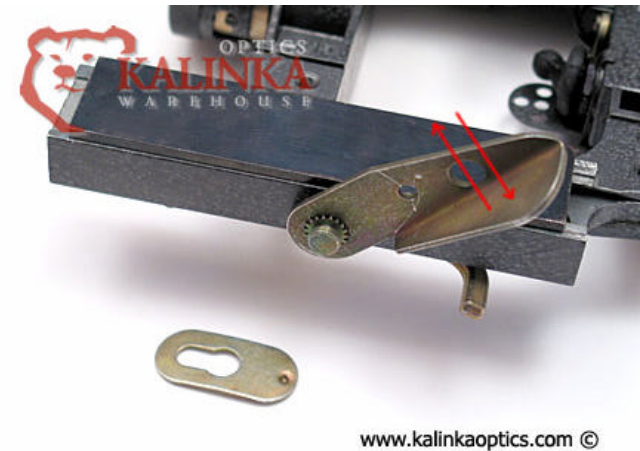
Step 4: Slide the scope onto your side rail and then reposition the lever so that you have a nice tight fit. Be careful not to over-tighten!



Plate

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Step 5: Once the proper tension is obtained, replace the lever onto the gear, making sure to relocate the stem of the bushing arm in the hole in the lever flag. Also make sure you have not lost the special washer that fits under the lever.



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Step 6: After reassembling, replace the lever retaining clip by inserting the center shaft into the large hole in the clip.