

Manual abstract:

The HWS fills the needs of all shooters from the novice to the most advanced professional. Our objective is to give each and every customer the quality, commitment, and service expected from the sighting industry leader. Whatever your shooting discipline, we wish you the best shooting, and again, we thank you for choosing the HWS. This user manual describes the features of the HWS models 502, 511, 512, 551 and 552. Please read the instructions carefully before mounting and using the sight and always practice proper firearm safety. HOOD Models 511, 512, 551, 552 and 554 are equipped with a protective hood. This hood is pre-assembled at the factory and is non-removable. Should your hood require maintenance please contact our Customer Service Department from number on page 6 of this manual. An initial set of batteries comes with your sight. The HWS is designed to maintain constant brightness at a particular setting as the batteries drain down.

The reticle brightness will not fade gradually as the batteries run down but rather shut down abruptly. @@@@Please read and follow the battery replacement and battery check procedures described in this Manual. Alkaline batteries from different manufacturers are not all constructed the same way. Tests show some brands are more susceptible to degradation by the shock of recoil. We recommend the use of Eveready Energizer™ batteries with the HWS. It is always good practice to replace the batteries with a fresh set before a mission. Two (2) common AA size batteries power your Model 554, 552 or 512 HWS. An initial set of AA size alkaline batteries comes with your sight. eOTech recommends using Energizer Alkaline or Lithium AA batteries. Lithium AA batteries offer longer life, particularly at temperatures below freezing.

For this reason Lithium AA batteries are recommended for cold weather operations. However, we should note that the battery checking function which is based on the characteristics of Alkaline batteries does not operate properly with Lithium batteries. **REPLACING BATTERIES** Remove the battery compartment by lifting up on the locking cam lever and carefully sliding the battery compartment away and up from the sight housing (Figure 2). After the battery compartment is removed, slide the batteries out and replace them with a fresh set. The labels on the bottom of battery compartment show the correct battery orientation. Always make sure the gasket is free of dirt before the battery compartment is re-installed or the water proofing may be compromised. To re-install the battery compartment, point the sight towards the ground and slide battery compartment onto base. Make sure there is enough clearance between the contact and the batteries to avoid bending the contacts. Hold the battery compartment down firmly against the base and close the locking cam. Before you push down on cam lever, make sure the battery compartment sits all the way down and is parallel to the base.

Verify correct battery installation immediately by turning on the sight and checking if the holographic reticle appears. If the batteries are left in the sight backwards, they will be drained of their power. **ELECTRONIC FEATURES** All electronic controls are via push-button switches located at the rear of the unit housing as shown in Figures 1. To ensure proper operation of the push button switches we recommend pressing firmly on the center of the switch. 1. ON/ AutoBattery Check Depressing the Up or Down Arrow push-button switches will turn the sight ON at Level 12. (For the Model 554, the sight will turn on at Level 12 when the UP button is depressed and it will turn on at Level 1 when the DOWN Button is depressed). See step 4 under this section for description of Auto shutdown. The sight will automatically perform a battery check everytime it is turned on. If the batteries have less than 20% of life left, the sight will turn on with the reticle image blinking on and off for 5 seconds.

If the remaining battery life is more than 20%, the sight will turn on with a steady reticle pattern. The battery condition can be checked any time by turning the sight off and back on. 2. OFF To turn the sight off depress both UP and DOWN arrows simultaneously. Depressing and releasing the push-button switches moves the brightness level UP or DOWN one (1) step from the previous setting.

Depressing and holding the up arrow or down arrow switch will change brightness level up or down continuously in steps. There are twenty (20) brightness settings providing a dynamic range of 146,000:1 from the lowest setting to the highest setting. @@@@2 will turn the sight ON in Night Vision Mode. @@@@2. @@@@There is absolutely no light projected onto the target plane.

To mount the sight, please follow these steps. @@@@1. @@@@When cleaning the glass surfaces, first blow away any dirt and dust. @@@@3. All moving parts of the sight are permanently lubricated. do not try to lubricate them. No maintenance is needed on the sight's surface, except to occasionally wipe off with a soft cloth. use only a water-based cleaner such as glass cleaner, ammonia, or soap and water. Never use any solvent-type cleaner such as alcohol or acetone. The elevation and windage adjustment are located on the Right-hand side of the sight (Figure 1).

The knob towards the front is your windage adjustment and the knob towards the rear is your elevation adjustment (Figure 1). Both of these adjustment mechanisms are grooved with a slotted screw head and require the use of a screwdriver, coin, or spent brass to turn. The elevation and windage adjustments are shown in Figure 3. For both elevation and windage, each click will change the bullet's point of impact 1/2 Minute of Angle (MOA), which translates to 1/4 inch at 50 yards, 1/2 inch at 100 yards. Also, one full rotation of either knob will change your point of impact 10 MOA. This translates into 5 inches at 50 yards, 10 inches at 100 yards. To move the point of impact UP, turn the adjustment screw counterclockwise; to move the point of impact DOWN, turn the adjustment screw clockwise. To move the point of impact RIGHT, turn the adjustment screw clockwise; to move the point of impact LEFT, turn the adjustment screw counterclockwise. The elevation and windage adjustments have been initially set at the factory such that the line of sight to the center of the reticle is parallel to the mounting rail on the weapon. The sight should be close to being at zero with a properly installed mounting rail.

Please do not turn the adjustments before mounting the sight on the firearm. Be sure to check that the mount and the sight remain secured after the first shots are fired. **CAUTION**-When encountering a sudden increase in resistance in these adjustments, the end of the adjustment range has been reached. **DO NOT TRY** to turn the adjustments any farther or serious damage may occur to the sight. **LASER SAFETY ISSUES** The HWS is a Class II laser product.

The Class II level illuminating beam, however, is completely blocked by the housing.



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The only laser light accessible to the eye is the image beam and is at a power level within the limit of a Class IIa laser product. The illuminating beam can become accessible to the eye if the housing is broken. Turn the sight off immediately and return the broken unit to the factory for repair. NOTE 1: Loosen screw just enough to mount and dis-mount the sight.

Do not back screw out completely to avoid losing the Weaver® lock hardware. NOTE 2: A Picatinny rail cannot be installed directly on some weapons. EOTech sells mount adapters to provide a standard Picatinny rail for various weapons used in today's military and law enforcement applications. Contact a Factory representative if you are unclear on the mounting adapter you should use on your weapon. BORE SIGHTING AND ZEROING Bore sighting is a good preliminary procedure in achieving proper alignment of your sight to the firearm. If the 1" dovetail rail is not mounted parallel to the barrel, major elevation adjustments may be accomplished by shimming the dovetail rail. It is important not to use the elevation adjustment of the sight for major adjustments. Your sight's internal elevation and windage adjustments should be reserved for fine-tuning to achieve zero at the called for distance. Final zeroing of your firearm and sight should be done with live ammunition and based on your expected shooting distance. @@@@ also , include your receipt at the time of purchase.

Whenever possible, ship the sight in its original box. @@WARRANTY STATEMENT All HOLOgraphic Sights are crafted with pride in the U. More importantly, they are manufactured with our customer's satisfaction in mind. EOTech warrants every product to be free from defects in materials and workmanship for a period of two years from the original date of purchase. EOTech will promptly repair or replace at its option any product that is defective in material or workmanship, without charge. all costs associated with the product shipment for product repair will be incurred by the owner. This warranty does not cover defects caused by improper handling.



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