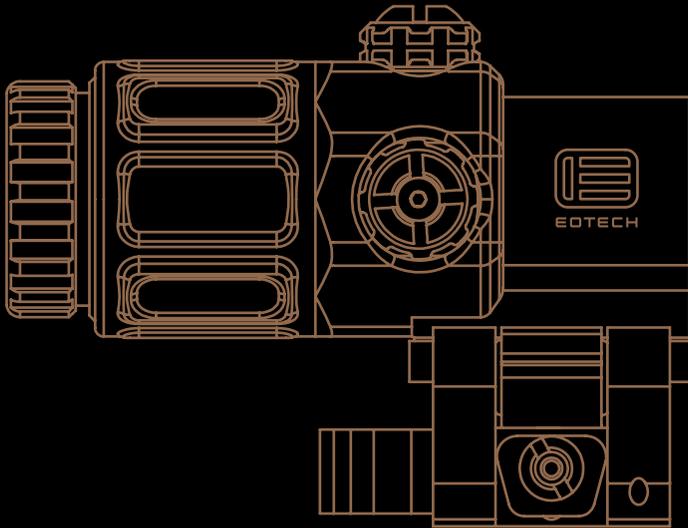




EOTECH®



G-Series™

MAGNIFIERS

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*This manual also supports the M33 model 3X magnifier. The M33 consists of tethered azimuth adjustment caps that are not graphically shown.

Introduction

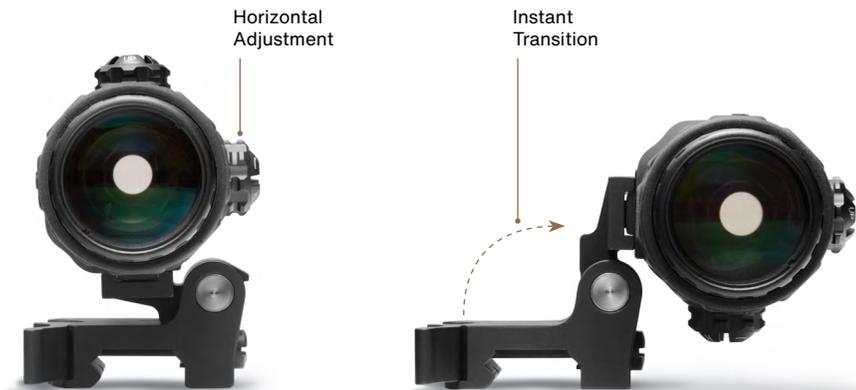
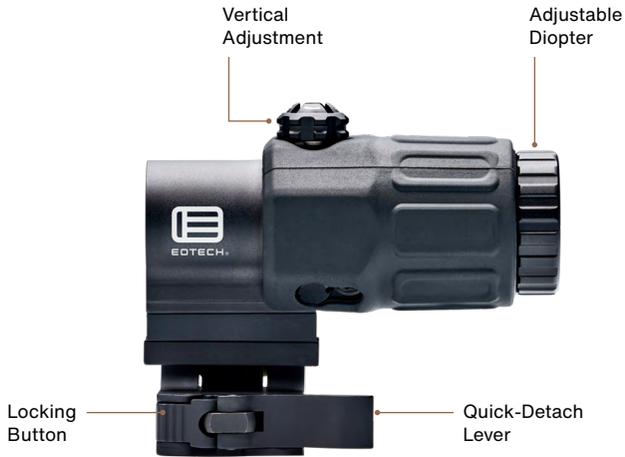
Thank you for purchasing a new EOTECH magnifier. These magnifiers offer users of the Holographic Weapon Sight (all models) the additional advantage of vastly improved target recognition and increased lethality at medium range distances. The Switch to Side (STS) mount allows the user the ability to engage the enemy with confidence in a Close Quarters Battle (CQB) situation or at distances out to 600 meters or more.

This user manual describes the features of the EOTECH Magnifiers and provides information on their use and maintenance. Please read the instructions carefully before mounting and using the magnifier. Always practice proper firearm safety.

The Magnifier will include:

- Magnifier
- Switch to Side (STS) Mount
- 7mm Riser
- 4 Screws

Anatomy



Specifications

G33



L × W × H	4.4" × 2.2" × 3.3" (113 × 55.9 × 73.7mm)
Weight	10.6 oz (300g)
Water Resistant	33 ft (10m) depth
Mount	1" Weaver or MIL-STD 1913 rail
Operating Temperature	-40°F to 140°F (-40°C to 60°C)
Fixed Magnification	3X
Eye Relief	2.2" (55.9mm)
Field-of-View	7.3°
Sealing	Fog-resistant internal optics

G43



L × W × H	3.1" × 2.3" × 3.3" (78.7 × 58.4 × 83.8mm)
Weight	11.3 oz (320.3g)
Water Resistant	33 ft (10m) depth
Mount	1" Weaver or MIL-STD 1913 rail
Operating Temperature	-40°F to 140°F (-40°C to 60°C)
Fixed Magnification	3X
Eye Relief	2.5" (63.5mm)
Field-of-View	7.5°
Sealing	Fog-resistant internal optics

G45



BLACK



L x W x H	3.9" x 2.3" x 3.3" (99 x 58.4 x 83.8mm)
Weight	12.8 oz (362.9g)
Water Resistant	33 ft (10m) depth
Mount	1" Weaver or MIL-STD 1913 rail
Operating Temperature	-40°F to 140°F (-40°C to 60°C)
Fixed Magnification	5X
Eye Relief	2.6" (66mm)
Field-of-View	4.4°
Sealing	Fog-resistant internal optics

M33



BLACK



TAN



L x W x H	4.4" x 2.2" x 3.3" (113 x 55.9 x 73.7mm)
Weight	10.6 oz (300g)
Water Resistant	66 ft (20m) depth
Mount	1" Weaver or MIL-STD 1913 rail
Operating Temperature	-40°F to 140°F (-40°C to 60°C)
Fixed Magnification	3X
Eye Relief	2.2" (55.9mm)
Field-of-View	7.3°
Sealing	Fog-resistant internal optics

Operating Instructions

The G-Series magnifiers are designed to be used behind an EOTECH Holographic Weapon Sight (HWS). The magnifier can be mounted directly behind the HWS. Simply switch the magnifier out of the way and operate the sight. When used with HWS models that have either quick-detach lever(s) or side buttons, the user can easily operate the sight even with the magnifier in the locked position.

Positioning the Reticle:

Once the magnifier is installed properly behind the HWS, it may be necessary to re-zero the sight. This may be due to the shooter's ability to see the target and Point of Impact (POI) more accurately than without the magnifier. Re-zeroing the sight will prevent a perceived shift in POI when going from no magnification to magnification.

Optic Configuration

The EOTECH Holographic Weapon Sight (HWS) product line has two different heights above the rail based on user preference. For this reason, the magnifier does not come preassembled to the mount. It is user-configurable based on the specific model HWS it will be mounted behind. The 7mm riser (included) may be required to align the magnifier optical axis with the sight.

- HWS models with side buttons or quick-detach levers require the use of the riser.
- All other HWS models, the riser should not be used.

Left or Right Options:

The magnifier system can be configured to switch to the Left or to the Right based on shooting preference. Typically, right-handed shooters prefer the mount to switch to the right, and left-handed shooters to the left.

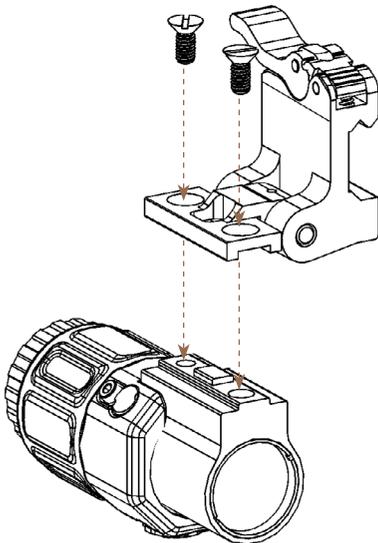
Using the Spacer:

The magnifier mount is designed to position the magnifier at either an absolute co-witness or lower-third co-witness height. For all HWS models that have the buttons at the rear of the sight, the spacer should not be used. Models that have the buttons on the side of the sight or quick detach levers, the spacer should be included when configuring the magnifier (*see page 9, Configuring the Magnifier*).

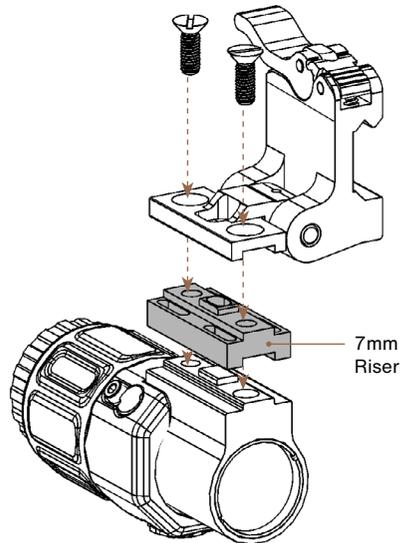
Configuring the Magnifier:

To configure your HWS you will need a screwdriver (not included). Use the shorter screws without the riser (**FIGURE 1**). The longer screws should be used with the riser (**FIGURE 2**). If the riser is being used, place the riser on the optic mounting interface. Open the STS mount. Position the mount on the optic mount interface (or riser) so it opens either to the left or right (based on preference). Insert each screw through the components, and tighten securely. If using a torque wrench, the screws should be tightened to 24 in-lbs.

NOTE: If you purchased the magnifier as part of an HHS Combo Kit, the screw pack will not be included as the magnifier comes preassembled.



Without Riser Plate

FIGURE 1

With Riser Plate

FIGURE 2

Adjustable Diopter

The optic includes an adjustable diopter that allows the user to customize the focus to their particular vision. This feature ensures a crisp, clean aiming dot for more precision and shot placement. To adjust, simply grasp the diopter with the thumb and fore finger and turn either clockwise or counter-clockwise until a clear sight picture is achieved.

NOTE: *Depending on the users vision, you may observe a small change to the magnification during diopter adjustment.*

Reticle Position Adjustments

After zeroing or re-zeroing the sight, it may be necessary to reposition the reticle image into the center of the magnifier window. This is aesthetic in nature and has no affect on the sight's zero. Turn the horizontal and vertical adjustments on the top or side of the magnifier by hand, with a coin or a flat head screwdriver to reposition reticle to the desired position.

Switch Operation

To switch the magnifier to the side, simply push the optic to the right or left, depending on how it is mounted. To close the mount, push the magnifier back into its original position until a hard stop is achieved.

Installation

⚠ CAUTION: Never make adjustments while the quick detach lever is in the closed position.

To install the configured magnifier onto the weapon, open the quick detach lever. To do this, use your thumb to depress the locking button (**FIGURE 3**). Once depressed, swing the quick detach lever open and away from its nested position. Place the mount in the desired position behind the HWS. Once the mount is located in the desired position, push the magnifier forward until the cross bolt of the magnifier is set into the slot located on the mount. Close the quick detach lever.

If the mount is too loose or tight for your specific rail, adjustments can be made for a proper fit. First, remove the magnifier from the rail. Leaving the quick detach lever in its open position, turn the unit upside down, exposing the rail interface (**FIGURE 4**). To loosen the adjustment, turn the dial counterclockwise. To tighten, turn the dial clockwise. Once done, re-mount the optic to the rail. Continue incremental changes until a desired fit is achieved.

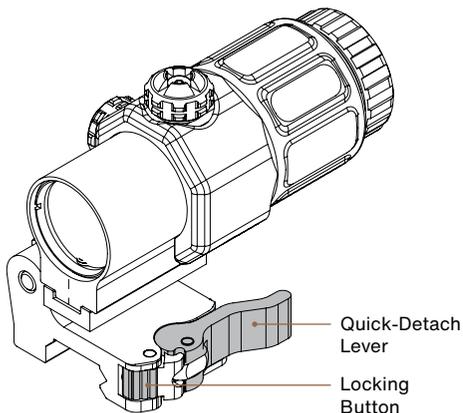


FIGURE 3

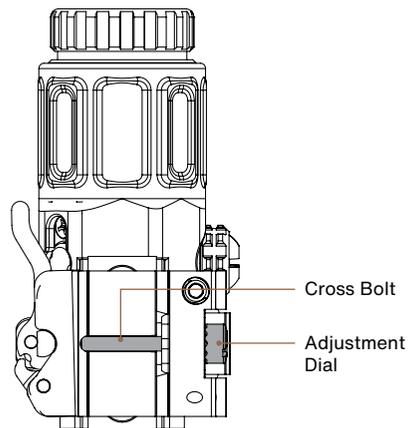


FIGURE 4

Cleaning Instructions

- ⚠ WARNING: NEVER DISASSEMBLE YOUR MAGNIFIER! The optical cavity is purged, nitrogen filled, and sealed to achieve fog proof performance. Disassembly will void the warranty and damage the magnifier.**
1. The optical system and the window are coated with anti-reflection material. When cleaning the glass surfaces, first blow away any dirt and dust. Fingerprints and lubricants can be wiped off with lens tissue or a soft cotton cloth, moistened with lens cleaning fluid or glass cleaner sold in any camera store. Always dampen the glass surfaces prior to cleaning. **To avoid damaging the window, never clean the glass surface with a dry cloth. It must be moistened with cleaning fluid, glass cleaner or an EOTECH LensPen.**
 2. No maintenance is needed on the magnifier'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 to clean the magnifier surface. Do not use gun cleaner to clean or lubricate either.**
 3. All moving parts of the sight are permanently lubricated. **Do not try to lubricate them.**

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Contacting the Manufacturer for Repair

- Contact EOTECH's Customer Service Department at eotechinc.com/help-center.
- Be sure to leave a name, contact number, return shipping address, and failure description in the email or on a voice mail. This will allow the manufacturer to generate a Return Authorization Number (RA#) to include with the sight(s).

PRO TIP: *Do not ship the sight(s) without a return authorization number – this will severely delay the turnaround time on repair or replacement.*

- If required, fill out a DD Form 1149 to include with the sight(s) you will return. Include a reference to the RA#, and a signature line for EOTECH's Service Department to sign indicating the receipt of materials. The signed copy will be mailed, faxed, or emailed back to you upon receipt of the sight(s) for the purposes of accountability.
- If the manufacturing date is more than five years old, a fee will be assessed for repair to include the cost of both parts and labor. A purchase order will be required to process the repair. Please contact EOTECH for an estimate.
- Please send the unit postage prepaid. Please include your name, address, telephone number, and a written description of the problem you are encountering, and also include the RA #. Whenever possible, ship the sight in its original box.

Replacement Items

- To obtain replacement parts that are able to be field-installed for your Magnifier, please visit our website support link at eotechinc.com.

Contact Information

CUSTOMER SERVICE/REPAIR

888-368-4656

eotechinc.com/help-center

RA# REQUEST WEB ADDRESS

eotechinc.com/help-center

SHIPPING ADDRESS

EOTECH

46900 Port Street

Plymouth, MI 48170 USA

SCAN FOR
PRODUCT
REGISTRATION



SCAN FOR
WARRANTY
INFORMATION





**Thank you for purchasing
an EOTECH Magnifier**

M1960 Rev C | JANUARY 2022

Proudly assembled in Michigan, USA

EOTECHINC.COM