

EOTECH G45

EOTECH G45 Magnifier (G45 No Mount) Instruction Manual

Model: G45

1. INTRODUCTION

Thank you for choosing the EOTECH G45 5 Power Magnifier. This manual provides essential information for the proper use, setup, and maintenance of your new magnifier. The G45 Magnifier is designed to enhance your targeting capabilities by offering 5X magnification, allowing for precise long-range targeting and rapid target acquisition. Please read these instructions carefully before mounting and using your magnifier to ensure safe and optimal performance.

2. PRODUCT OVERVIEW

Key Features

- **5X Magnification:** Offers enhanced 5X magnification for precise long-range targeting.
- **Seamless Transition:** Ability to transition between 1X and 5X magnification almost instantly.
- **Tool-Free Adjustments:** Allows for vertical and horizontal adjustments without specialized tools.
- **Wide Field of View:** Provides an expansive view for improved situational awareness.
- **Water Resistant:** Designed to be water resistant up to 33 feet (10 meters) depth.
- **Durable Construction:** Features a robust design for reliability and longevity.

Package Contents

Your EOTECH G45 Magnifier package includes:

- EOTECH G45 Magnifier (No Mount, Black Finish)
- User's Manual for G-Series Magnifiers
- Product Registration Card
- Mounting Screws (if applicable for specific variants)

Product Images



Figure 1: EOTECH G45 Magnifier, side view. This image shows the overall profile of the magnifier with its adjustment knobs.



Figure 2: EOTECH G45 Magnifier, angled view. The image highlights the diopter and windage/elevation adjustment knobs.

3. SETUP

Mounting the Magnifier

The EOTEC G45 Magnifier is designed to be used behind an EOTEC Holographic Weapon Sight (HWS). It is compatible with firearms featuring a 1-inch Weaver or MIL-STD-1913 rail. The magnifier does not come pre-assembled to a mount. If using an STS mount (sold separately), ensure it is properly installed.

1. **Attach Mount (if applicable):** If your G45 came with a separate mount (e.g., STS mount), attach the magnifier to the mount using the provided screws. Ensure screws are tightened to 24 in-lbs using a torque wrench.
2. **Position on Rail:** Place the magnifier and mount assembly onto your firearm's rail behind your HWS.
3. **Secure Mount:** Engage the quick-detach lever (if applicable) or tighten mounting screws to secure the magnifier firmly to the rail.

Reticle Position Adjustments

After zeroing or re-zeroing your HWS, it may be necessary to reposition the reticle image into the center of the magnifier window. This is an aesthetic adjustment and has no effect on the sight's zero.

- Turn the horizontal and vertical adjustment dials on the top or side of the magnifier. Use a coin or a flat head screwdriver to reposition the reticle to the desired position.

Diopter Adjustment

Adjust the diopter ring at the rear of the magnifier to achieve a clear, sharp image for your individual eyesight. Rotate the ring until the reticle and target appear in sharp focus.

Unboxing and Setup Video

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Video 1: EOTech G45 5X Magnifier W/STS TAN Unboxing. This video demonstrates the unboxing process and initial setup of the EOTEC G45 Magnifier, including mounting and basic adjustments.

4. OPERATING INSTRUCTIONS

Switch Operation (Flip-to-Side)

To engage the magnifier, simply push the optic to the right or left, depending on how it is mounted. To disengage and move the magnifier out of your line of sight, push the magnifier back into its original position until a hard stop is achieved. The magnifier system can be configured to switch to either the left or right based on user preference.

Magnification Transition

The G45 allows for quick transitions between 1X (unmagnified) and 5X (magnified) views, enabling rapid adaptation to changing target distances.

Brightness Settings

The EXPS HWS (if paired) typically offers 20 daylight settings and 10 night vision settings for optimal visibility in various lighting conditions.

Magnifier View Demonstration Video

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Video 2: Looking through EOTECH G45 Magnifier. This video provides a demonstration of the sight picture through the G45 Magnifier, showcasing its clarity and magnification capabilities in different environments.

5. MAINTENANCE

Cleaning

- Use a soft, lint-free cloth (such as a microfiber cloth) to clean the lenses. Avoid abrasive materials.
- For stubborn smudges, use a lens cleaning solution specifically designed for optics.
- Wipe the exterior of the magnifier with a damp cloth as needed.

Storage

- Store the magnifier in a cool, dry place away from direct sunlight and extreme temperatures.
- Use the protective case or lens covers when not in use to prevent damage.

6. TROUBLESHOOTING

If you encounter any issues with your EOTECH G45 Magnifier, please consider the following:

- **Blurry Image:** Adjust the diopter ring at the rear of the magnifier until the image is clear.
- **Reticle Not Centered:** Use the vertical and horizontal adjustment dials on the magnifier to center the reticle within the magnifier's field of view.
- **Mount Instability:** Ensure all mounting screws are tightened to the recommended torque (24 in-lbs if applicable) and the quick-detach lever is fully engaged.
- **No Magnification:** Verify the magnifier is properly flipped into the engaged position.

For further assistance, refer to the warranty and support section.

7. SPECIFICATIONS

Feature	Specification
Brand	EOTECH
Model Name	G45.NM
Color	Black
Style	G45 No Mount
Magnification	5X

Feature	Specification
Item Weight	12.8 Ounces
Material	Plastic
Compatible Devices	Firearm (with 1" Weaver or MIL-STD-1913 rail)
Mounting Type	No Mount (STS Mount available separately)
Eye Relief	66 Millimeters
Water Resistance	33ft. (10 m) depth

8. WARRANTY & SUPPORT

Warranty Information

The EOTECH G45 Magnifier comes with a 2-Year Manufacturer Warranty. This warranty covers defects in materials and workmanship under normal use. Please refer to the warranty card included in your package for full details and exclusions.

Product Registration

To ensure you receive the full benefits of your warranty and stay informed about product updates, please register your EOTECH G45 Magnifier online at the official EOTECH website. Registration helps protect your product and ensures you are contacted in the event of any product issues.

For customer support or service inquiries, please visit the EOTECH website or contact their customer service at 1-888-368-4656.