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› EOTECH 558.A65 Holographic Weapon Sight Instruction Manual

EOTECH 558.A65

EOTECH 558.A65 Holographic Weapon Sight Instruction Manual

Model: 558.A65

INTRODUCTION

The EOTECH 558.A65 Holographic Weapon Sight is designed for rapid target acquisition and precision aiming. This sight is compatible with all Gen I-III night vision devices and features an adjustable, locking, quick-detach mount for versatile application. This manual provides essential information for the proper setup, operation, and maintenance of your 558.A65 sight.

PRODUCT OVERVIEW

Familiarize yourself with the key components of the EOTECH 558.A65 Holographic Weapon Sight.



MODEL
558.A65

Figure 1: Side view of the EOTECH 558.A65 sight, highlighting the battery cap latch, aluminum hood, removable battery compartment, and quick detach lever.



Figure 2: Top-down view of the EOTECH 558.A65 sight, showing the windage and elevation adjustment dials.

SETUP

1. Battery Installation

1. Locate the battery compartment on the side of the sight.
2. Unlatch the battery cap latch and open the removable battery compartment.
3. Insert two (2) AA batteries, ensuring correct polarity. The sight supports both lithium and alkaline AA batteries.
4. Close the battery compartment and secure the latch.

2. Mounting the Sight

The 558.A65 features a quick-detach mount compatible with both 1" Weaver and MIL-STD-1913 (Picatinny) rails.

1. Ensure the quick-detach lever is in the open position.
2. Align the sight's base with the rail on your firearm.
3. Press the sight firmly onto the rail and close the quick-detach lever until it locks securely.

4. Verify that the sight is firmly attached and does not wobble. Adjust the tension of the quick-detach lever if necessary.

OPERATING INSTRUCTIONS

1. Power On/Off

- To power on, press either the **UP** or **DOWN** brightness adjustment button.
- To power off, press both the **UP** and **DOWN** buttons simultaneously. The sight will also automatically power off after 8 hours if the last button pressed was **UP**, or after 4 hours if the last button pressed was **DOWN**.

2. Brightness Adjustment

The sight offers 30 brightness settings, including 10 settings specifically for night vision compatibility. The side-button operation is ideal for use with a magnifier.

- Press the **UP** button to increase reticle brightness.
- Press the **DOWN** button to decrease reticle brightness.

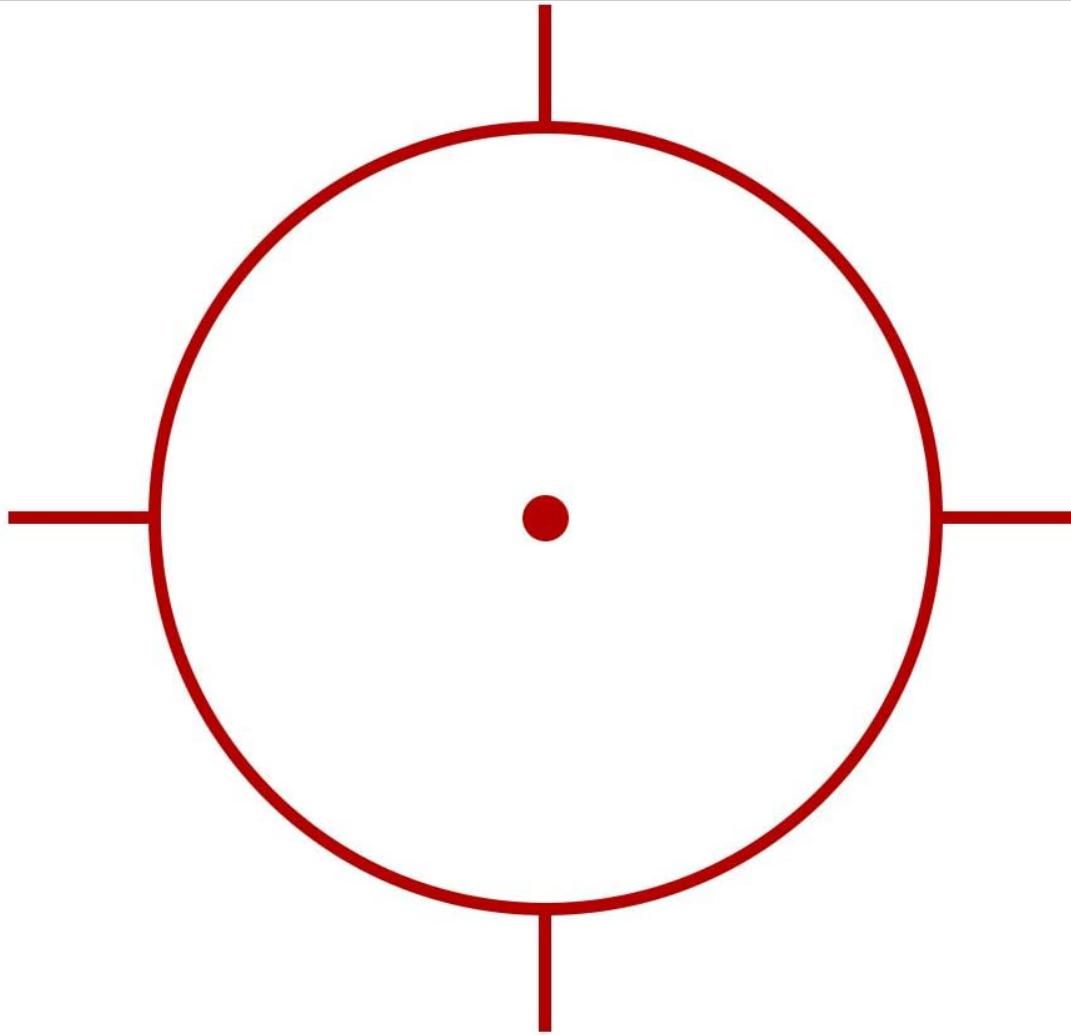
3. Night Vision Mode

The 558.A65 is fully compatible with Gen I-III night vision devices.

- To activate night vision mode, press the **NV** button. The reticle brightness will automatically adjust to the lowest night vision setting.
- Use the **UP** and **DOWN** buttons to cycle through the 10 night vision brightness settings.
- To exit night vision mode, press the **NV** button again. The sight will return to its previous daylight brightness setting.

4. Reticle Pattern

The sight features a 68 MOA ring with a 1 MOA dot reticle, designed for fast target acquisition and precise aiming.



68 MOA RING & 1 MOA DOT

MODEL

558.A65

Figure 3: The 68 MOA ring and 1 MOA dot reticle pattern.



Figure 4: The reticle as seen through the sight, demonstrating its appearance in an operational environment.

5. Zeroing the Sight (Windage and Elevation)

To achieve optimal accuracy, the sight must be zeroed to your firearm. This process adjusts the point of impact to match your point of aim.

1. Mount the sight securely on your firearm.
2. Using a stable shooting rest, fire a group of shots at a target at your desired zeroing distance.
3. Observe the point of impact relative to your point of aim.
4. Use a flat-head screwdriver or a coin to adjust the windage (left/right) and elevation (up/down) adjustment dials located on the side and top of the sight.
 - Turning the **UP** arrow on the elevation dial moves the point of impact up.
 - Turning the **DOWN** arrow on the elevation dial moves the point of impact down.
 - Turning the **RIGHT** arrow on the windage dial moves the point of impact right.
 - Turning the **LEFT** arrow on the windage dial moves the point of impact left.

5. Make small adjustments and fire additional groups until the point of impact consistently matches your point of aim.

MAINTENANCE

1. Cleaning

- Use a soft, clean cloth to wipe down the exterior of the sight.
- For lenses, use a lens cleaning pen or a soft lens cloth with a small amount of lens cleaning solution. Avoid abrasive materials or harsh chemicals.
- Ensure no debris enters the battery compartment.

2. Battery Replacement

Replace batteries when the reticle begins to dim or flash, indicating low power. Battery life is approximately 2500 continuous hours with lithium batteries or 2200 continuous hours with alkaline batteries at nominal setting 12.

1. Follow the battery installation steps outlined in the Setup section.
2. Always use fresh, high-quality AA batteries.

TROUBLESHOOTING

- **Reticle is dim or not visible:**
 - Check battery level and replace if necessary.
 - Increase brightness using the **UP** button.
 - Ensure the sight is not in night vision mode during daylight use.
- **Reticle appears blurry or distorted:**
 - This can sometimes be caused by astigmatism in the user's eye. Try lowering the brightness setting; a lower brightness can sometimes make the reticle appear clearer for individuals with slight astigmatism.
 - Ensure the sight's lenses are clean.
- **Sight does not power on:**
 - Verify batteries are correctly installed with proper polarity.
 - Replace batteries with fresh ones.
 - Ensure battery contacts are clean and free of corrosion.
- **Sight is loose on the rail:**
 - Ensure the quick-detach lever is fully closed and locked.
 - Adjust the tension of the quick-detach lever if it feels loose even when locked.

SPECIFICATIONS

The following table outlines the key specifications for the EOTECH 558.A65 Holographic Weapon Sight.

Feature	Specification
Dimensions	5.6" L x 2.2" W x 2.9" H (Product Description) / 7.5" L x 6.65" W x 3.6" H (Specifications) <i>Note: Discrepancy in source data. Refer to manufacturer's official product page for precise dimensions.</i>

Feature	Specification
Weight	13.8 oz (Product Description) / 1.25 Pounds (Specifications) <i>Note: Discrepancy in source data. 1.25 lbs = 20 oz. Refer to manufacturer's official product page for precise weight.</i>
Water Resistance	33 ft (10m)
Color	Black
Mount	Quick Detach fits both 1" Weaver and MIL-STD-1913 Rail
Brightness Settings	30 total (10 for night vision)
Power Source	2 x AA Batteries
Battery Life	Up to 2500 continuous hours (lithium) or 2200 continuous hours (alkaline) at nominal setting 12
Reticle	68 MOA ring with 1 MOA dot
Night Vision Compatible	Yes (Gen I-III)
Material	Aluminum



Feature /	MODEL			
	512	518	552	558
Night Vision Capability	No	No	Yes	Yes
Side Button Operation	No	Yes	No	Yes
Weight	11.5oz	13.8oz	11.5oz	13.8oz
Water Resistance	10ft	10ft	33ft	33ft
Mount	1" Weaver	1" Weaver + Quick Detach Lever	1" Weaver	1" Weaver + Quick Detach Lever

Figure 5: Feature comparison table for various EOTECH HWS models, with the 558.A65 features highlighted.

WARRANTY

The EOTECH 558.A65 Holographic Weapon Sight comes with the EOTECH HWS Prestige Warranty, which is a 10-year limited warranty. For full details regarding warranty coverage, terms, and conditions, please refer to the official EOTECH manufacturer's website or contact their customer support directly.

SUPPORT

For further assistance, technical support, or service inquiries, please contact EOTECH customer support. Refer to the official EOTECH website for the most current contact information and support resources.

- **Manufacturer:** EOTech

- **Website:** www.eotechinc.com (Example, actual link not provided in JSON)

