

Aimpoint®

CompM5™ User manual



THE FUTURE IN SIGHT.

1 PRESENTATION

Aimpoint® red dot sights are designed for the "two eyes open" method which greatly enhances situational awareness and target acquisition. Thanks to the optical design the red dot follows the movement of the user's eye while remaining fixed on target, eliminating any need for centering.

1.1 Technical specification

Optical system

| | |
|---|--|
| Magnification | 1X |
| Eye relief | Unlimited |
| Clear aperture | 18 mm |
| NVD ² compatible | Yes |
| Optical coating | Anti-reflex (AR) coating |
| Adjustments | 1 click = 10 mm at 100 m = .36 in at 100 yds |
| Adjustment range (windage and elevation) | ±1 m at 100 m ±1 yds at 100 yds |
| Dot size | 2 MOA ¹ |
| Dot intensity settings | 10 settings manually adjusted with switch. Setting 1-4 for use with NVD and setting 5-10 for use in daylight. |
| Dot color | Red (655 nm ± 10 nm) |

| | |
|-----------|--|
| Signature | No forward optical signature from the dot beyond 10 meters |
|-----------|--|

Power source

| | |
|--------------|---|
| Battery type | One AAA size 1.5 V Alkaline LR03 or Lithium FR03 |
|--------------|---|

| | |
|---------------------------|---|
| Battery life ³ | More than 5 years of use at setting 7, more than 1 year at setting 8 and more than 10 years at NVD-setting (1-4). |
|---------------------------|---|

Size (L × W × H)

| | |
|-------|---|
| Sight | 83 mm × 40 mm × 41 mm 3.3 in × 1.6 in × 1.6 in |
|-------|---|

| | |
|---------------|---|
| Configuration | 85 mm × 45 mm × 51 mm 3.4 in × 1.8 in × 2.0 in |
|---------------|---|

Weight

| | |
|-----------------------|----------------|
| Sight (incl. battery) | 148 g / 5.2 oz |
|-----------------------|----------------|

| | |
|---------------|----------------|
| Configuration | 189 g / 6.6 oz |
|---------------|----------------|

Height of optical axis

| | |
|---------------------------|--|
| Configuration (no spacer) | 20 mm / 0.8 in (measured from top surface of picatinny rail) |
|---------------------------|--|

Mechanical interface

| | |
|---------------|--|
| Configuration | MIL-STD 1913 Rail system Picatinny rail |
|---------------|--|

Materials

| | |
|-----------------|---|
| Sight and mount | High strength aluminum, hard anodized, black to dark gray, non-glare finish |
| Lens covers | Thermoplastic elastomer, black, non-glare finish |

Environmental specification

| | |
|-------------------------------|---|
| Temperature range (operation) | -45 °C to +71 °C -49 °F to +160 °F |
| Temperature range (storage) | -51 °C to +71 °C -60 °F to +160 °F |
| Water resistance | 45 m / 147 ft. (operable) |
| Chemical resistance | Withstands occasional contamination by weapons cleaners, lubricants, oil or insect repellants |

1 MOA: Minute Of Angle, 1 MOA \approx 30 mm at 100 m or \approx 1" at 100 yds

2 NVD: Night Vision Device

3 Battery life: Values valid at room temperature for a quality battery

1.2 Overview (configuration)

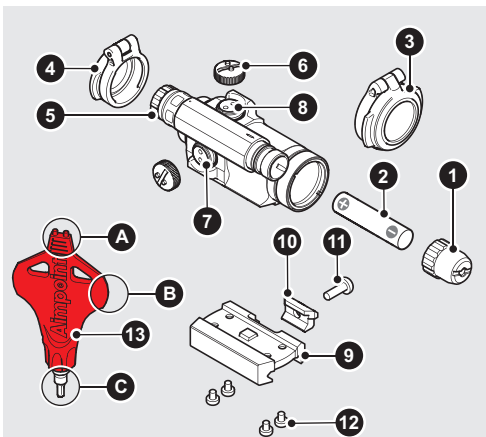


Fig. 1 Overview (configuration)

- | | |
|----------------------------|------------------------------|
| 1 Battery cap | 8 Elevation adjustment screw |
| 2 Battery (AAA) | 9 Base |
| 3 Front flip-up lens cover | 10 Locking bar |
| 4 Rear flip-up lens cover | 11 Screw |
| 5 Intensity switch | 12 Screws (for base) |
| 6 Adjustment caps (2 pcs) | 13 Tool (ABC) |
| 7 Windage adjustment screw | |

2 OPERATION

WARNING: Ensure the weapon is not loaded and the safety selector is in the "safe" position before attempting to install, remove or perform maintenance.

2.1 Install battery

- a Remove the front lens cover (3) by pushing on the hinge in the direction away from the sight.
- b Untighten and remove the battery cap (1). If necessary, use the tool (13 B).
- c Insert battery (2) with the negative end (-) toward the battery cap (1) and the positive end (+) toward the sight as shown in Fig. 1.

CAUTION: Check that the o-ring is in good condition and in position to ensure there is no water leakage into the battery compartment.

- d Tighten the battery cap (1) by hand and with the tool (13 B). When resistance is encountered, proceed to tighten until the battery cap (1) is fully tightened.
- e Verify that the red dot is visible.

NOTE: For storage of the sight, remove the battery.

2.2 Install Aimpoint® CompM5 on a weapon

If the sight is equipped with the mount shown in Fig. 1, follow the described procedure. For installation with other mounts, see accompanying instruction.

- a Loosen the screw (11) using the tool (13 C), and clamp the locking bar (10) around the Picatinny rail.
- b With the recoil stop positioned in a groove of the Picatinny rail, push the sight forward (towards muzzle) and tighten the screw (11) using the tool (13 C)
- c Tighten the screw (11) until a light resistance is encountered. Proceed with another 1/4 to 1/2 turn until fully tightened (3 Nm / 2.2 ft·lb).

CAUTION: Do not overtighten.

2.3 Zeroing

CAUTION: Do not continue to adjust windage and elevation screws (7) and (8) if you encounter resistance.

- a Open lens covers (3) and (4).
- b Adjust the intensity (5) to a comfortable setting for the red dot to contrast against the target.
- c Remove the two adjustment caps (6) to access the windage adjustment screw (7) and the elevation adjustment screw (8). See Fig. 2

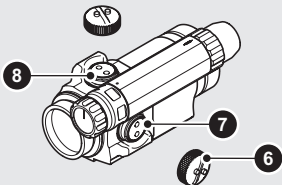


Fig. 2 Remove adjustment caps

| | |
|-----------------------------------|-------------------------------------|
| 6 Adjustment cap (2 pcs) | 8 Elevation adjustment screw |
| 7 Windage adjustment screw | |

- d** The adjustment caps (6) or the tool (13 A) must be used to turn the adjustment screws (7) and (8). Place the knobs on any of the adjustment caps into the recesses on the adjustment screws (7) and (8).
- e** Windage adjustments (see Fig. 3):
- Turn windage adjustment screw (7) counterclockwise to move point of impact to the right.
 - Turn windage screw (7) clockwise to move point of impact to the left.
- f** Elevation adjustments (see Fig. 4):
- Turn elevation adjustment screw (8) counterclockwise to move point of impact up.
 - Turn elevation adjustment screw (8) clockwise to move point of impact down.

NOTE: Each click of the adjustment screws (7) and (8) corresponds to a 10 mm movement of the point of impact at 100 m or .36 in at 100 yds.

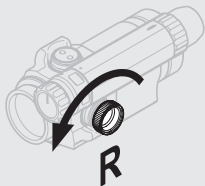


Fig. 3 Windage adjustments

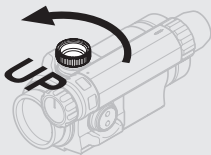


Fig. 4 Elevation adjustments

- g** Confirm zeroing by firing at least three shots at a zeroing target. Check points of impact to confirm accuracy and repeat zeroing procedure if required.
- h** After initial firing, ensure the sight is securely installed on the weapon.

3 EXTREME CONDITIONS

- Extreme heat (moist or dry): no special procedures required.
- Extreme cold: extreme cold might shorten battery life. The Intensity switch (5) can be more difficult to operate than at normal temperatures.
- Salt air: no special procedures required.
- Sea spray, water, mud and snow: ensure the battery cap (1) and the adjustment caps (6) are tightened before exposing the sight to sea spray, mud, snow or before submerging the sight in water. Tighten the adjustment caps (6) and the battery cap (5) by hand and by the use of the tool (13 B). Keep lens covers (3) and (4) closed when the sight is not being used. Clean lenses with lens paper/cloth and wipe the sight dry as soon as possible after exposure to water, sea spray, mud or snow.
- Dust storms and sand storms: keep lens covers (3) and (4) closed when the sight is not being used.
- High altitudes: no special procedures required.

CAUTION: Never clean the lenses with fingers. Use lens paper/cloth. If lens paper/cloth is not available:

- To clear away debris (sand, grass etc.): blow away the dirt or rinse with clear water.
- To clean lenses: fog the lenses or rinse with clear water and clean them with a soft piece of cloth.

4 TROUBLESHOOTING

The red dot does not appear or has disappeared

Make sure contact surfaces in the battery compartment are clean and verify that a working battery (2) is installed correctly according to 2.1. If the intensity switch (5) is defective, notify local dealer/armourer.

The sight is impossible to zero

If an adjustment screw (7) or (8) is at its limit, check the alignment of mount and barrel. If point of impact is moving, check the stability of mount and weapon rail (or carry handle)

5 INSTALLATION INSTRUCTIONS

To avoid damage to the sight and for the proper assembly of the base (9) onto the sight, the original screws (12) (M3, 4 pcs) must be tightened by hand and with the tool (13 C).

- a Place the sight upside down in your hand.
- b Press the base (9) against the sight and verify there is no gap.
- c Apply thread locking fluid to the threads and install the screws (12).
- d Tighten the screws (12) in a crosswise pattern. Tighten until resistance is encountered. Proceed with another 1/4 to 1/2 turn until fully tightened (1.35 Nm / 1.0 ft·lb).

CAUTION: Do not overtighten.

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