Aimpoint®

# Micro T-2™

## User manual



# 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

| | |
|---|---|
| Magnifiction | 1X |
| Eye relief | Unlimited |
| Clear aperture | 18 mm |
| NVD[2] compatible | Yes |
| Optical coating | Anti-reflex (AR) coating |
| Adjustments | 1 click = 10 mm at 80 m = 13 mm at 100 m = 0.5 in at 100 yds |
| Adjustment range (windage and elevation) | ±1 m at 100 m<br>±1 yds at 100 yds |
| Dot size | 2 MOA[1] |
| Dot intensity settings | 12 settings manually adjusted with switch. Setting 1-4 for use with NVD and setting 5-12 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 CR2032 Lithium battery (3 V) |
| Battery life[3] | More than 5 years of use at setting 8. More than 10 years of use at NVD-setting (1-4). |

## Size (L × W × H)

| | |
|---|---|
| Sight | 68 mm × 41 mm × 36 mm<br>2.7 in × 1.6 in × 1.4 in |
| Configuration | 79 mm × 41 mm × 48 mm<br>3.1 in × 1.6 in × 1.9 in |

## Weight

| | |
|---|---|
| Sight (incl. battery) | 96 g / 3.4 oz |
| Configuration | 135 g / 4.8 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<br>-49 °F to +160 °F |
| Temperature range (storage) | -51 °C to +71 °C<br>-60 °F to +160 °F |
| Water resistance | 25 m / 80 ft. |
| Chemical resistance | Withstands occasional contamination by weapons cleaners, lubricants, oil or insect repellants |

1 MOA: Minute Of Angle, 1 MOA ≈ 30 mm at 100 m or ≈ 1 in at 100 yds

2 NVD: Night Vision Device

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

## 1.2 Overview (configuration)

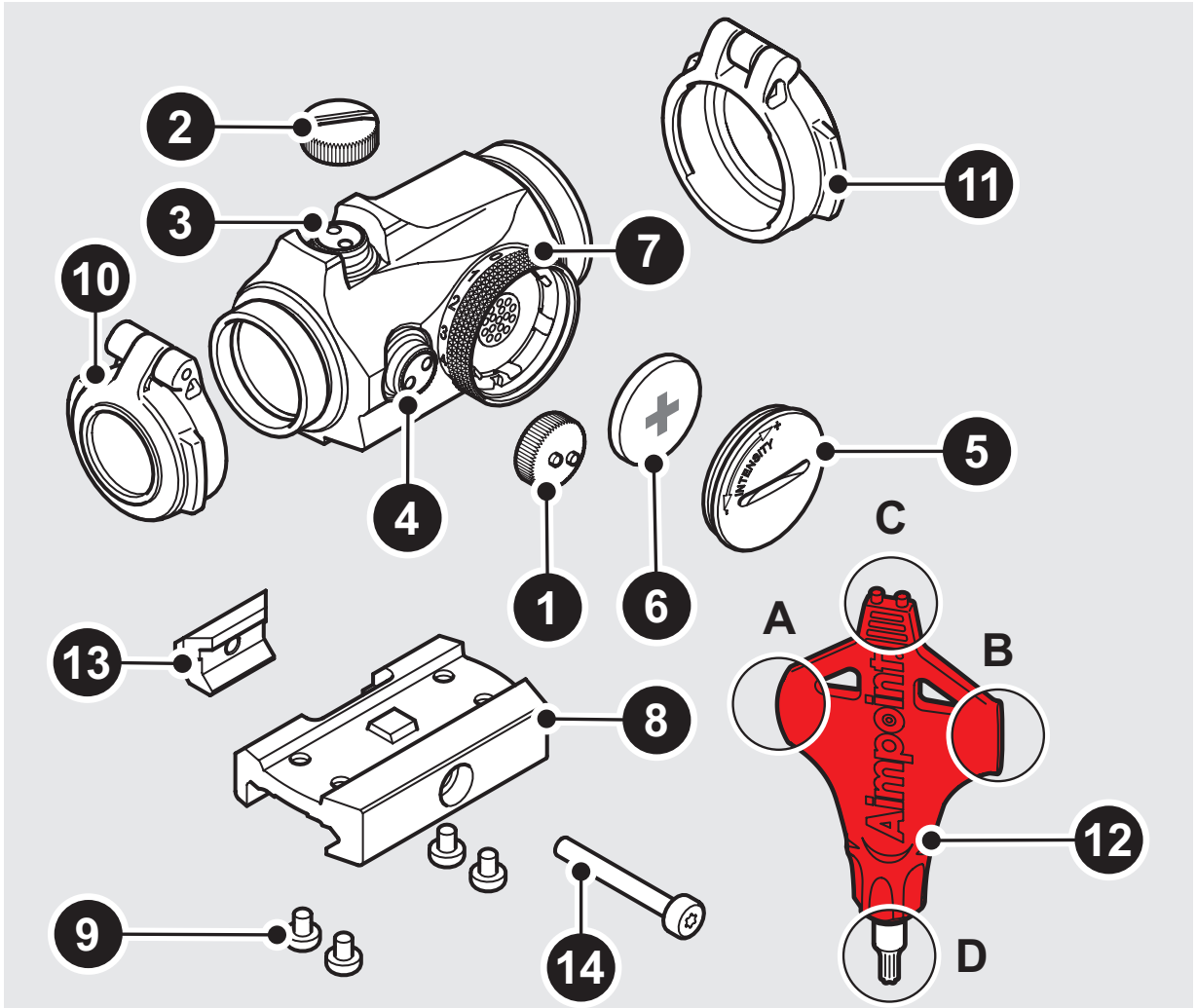



**Fig. 1** Overview (configuration)

**1** Adjustment cap
**2** Cap
**3** Elevation adjustment screw
**4** Windage adjustment screw
**5** Battery cap
**6** Battery (CR2032)
**7** Intensity switch
**8** Base
**9** Screws (for base)
**10** Rear flip-up lens cover
**11** Front flip-up lens cover
**12** Aimpoint tool (ABCD)
**13** Locking bar
**14** 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.

# ⚠ WARNING

- **INGESTION HAZARD:** This product contains a button cell or coin battery.
- **DEATH** or serious injury can occur if ingested.
- A swallowed button cell or coin battery can cause **Internal Chemical Burns** in as little as **2 hours**.
- **KEEP** new and used batteries **OUT OF REACH of CHILDREN.**
- **Seek immediate medical attention** if a battery is suspected to be swallowed or inserted inside any part of the body.



- Your device is powered by button or coin cell batteries such as CR2032 with a  nominal voltage of 3 volts. Please carefully read the separate instruction manual for each battery-powered device.
- Remove and immediately recycle or dispose of used batteries according to local regulations and keep away from children. Do NOT dispose of batteries in household trash or incinerate.
- Even used batteries may cause severe injury or death.
- Call a local poison control center for treatment information.
- Non-rechargeable batteries are not to be recharged.
- Do not force discharge, recharge, disassemble, heat above +70°C / +158°F or incinerate. Doing so may result in injury due to venting, leakage or explosion resulting in chemical burns.
- Ensure the batteries are installed correctly according to polarity (+ and -).
- Do not mix old and new batteries, different brands or types of batteries, such as alkaline, carbon-zinc, or rechargeable batteries.
- Remove and immediately recycle or dispose of batteries from equipment not used for an extended period of time according to local regulations.
- Always completely secure the battery compartment. If the battery compartment does not close securely, stop using the product, remove the batteries, and keep them away from children.

## 2.1 Install battery

**a** Remove the battery cap (5) using the tool (12 A).

**b** Insert battery (6) with positive end (**+**) toward battery cap (5) as can be seen 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 |

**c** Turn to the intensity switch (7) to intensity setting 12 (max.) and tighten the battery cap (5) with the tool (12 A). When resistance is encountered, proceed to tighten until the battery cap (5) comes to a stop.

**d** Verify that the red dot is visible and that there is zero gap between the battery cap (5) and the battery compartment.

| ⚠ NOTE |
| --- |
| For storage of the sight, remove the battery. |

## 2.2 Install Aimpoint® Micro T-2 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 (14) using the tool (12 D), and clamp the locking bar (13) around the Picatinny rail.

**b** With the screw (14) (recoil stop) positioned in a groove of the Picatinny rail, push the sight forward (towards muzzle) and tighten the screw (14) using the tool (12 D)

**c** Tighten the screw (14) until a light resistance is encountered. Proceed with another 1/4 to 1/2 turn until fully tightened (2 Nm / 1.5 ft·lb).

| ⚠ CAUTION |
| --- |
| Do not overtighten. |

## 2.3 Zeroing

| ⚠ CAUTION |
| --- |
| Do not continue to adjust windage and elevation screws (3) and (4) if you encounter resistance |

**a** Open lens covers (10) and (11).

**b** Adjust the intensity (7) to a comfortable setting for the red dot to contrast against the target.

**c** Remove the adjustment cap (1) and the cap (2) to access the windage adjustment screw (4) and the elevation adjustment screw (3). See Fig. 2.

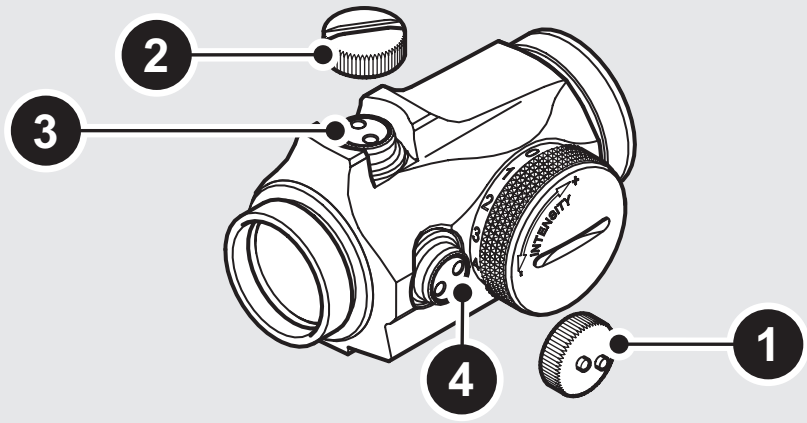



**Fig. 2** Remove adjustment cap and cap

| | |
| --- | --- |
| **1** Adjustment cap | **3** Elevation adjustment screw |
| **2** Cap | **4** Windage adjustment screw |

**d** Use the adjustment cap (1) or the tool (12 C) to turn the adjustment screws (4) and (3). Place the knobs on the adjustment cap (1) into the recesses on the adjustment screws (4) and (3).

**e** Windage adjustments (see Fig. 3):

- Turn windage adjustment screw (4) counterclockwise to move point of impact to the right.
- Turn windage adjustment screw (4) clockwise to move point of impact to the left.

**f** Elevation adjustments (see Fig. 4):

- Turn elevation adjustment screw (3) counterclockwise to move point of impact up.
- Turn elevation adjustment screw (3) clockwise to move point of impact down.

**⚠ NOTE**

Each click of the adjustment screws (4) and (3) corresponds to a 13 mm movement of the point of impact at 100 m or 0.5 in at 100 yds.

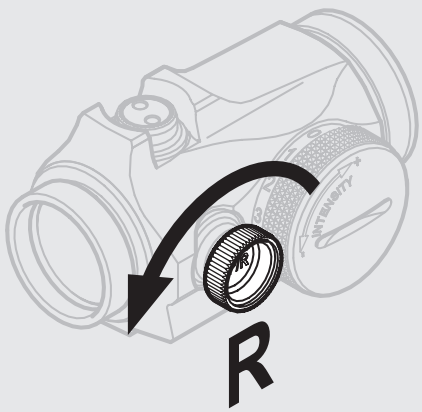



**Fig. 3** Windage adjustments

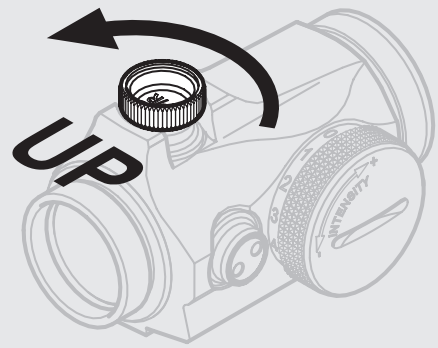



**Fig. 4** Elevation adjustments

**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 MAINTENANCE

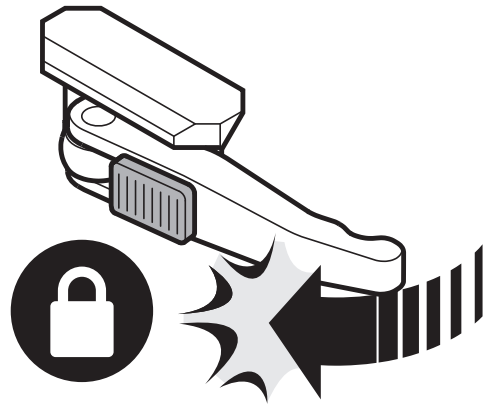
- Extreme heat (moist or dry): no special procedures required.
- Extreme cold: extreme cold might shorten battery life. The intensity switch (7) can be more difficult to operate than at normal temperatures.
- Salt air: no special procedures required.
- Sea spray, water, mud, snow: ensure the battery cap (5) and the adjustment cap (1) and cap (2) are tightened. Tighten the adjustment cap (1), the cap (2) and the battery cap (5) by hand and by the use of the tool (12 A). Keep lens covers (10) and (11) closed when the sight is not being used. Clean lenses and wipe the sight dry after exposure.
- Dust storms and sand storms: keep lens covers (10) and (11) closed when the sight is not being used.
- High altitudes: no special procedures required.

**⚠ NOTE**

If used with a mount with a Quick Release (QR) lever mechanism, put a small amount of weapon oil on moving parts / surfaces in contact with each other periodically, e.g. when performing preventive maintenance on the weapon. Always follow instruction from mount manufacturer.

## ⚠ CAUTION

If used with a mount with a Quick Release (QR) lever mechanism: after mounting to rail, always check that lever stays locked if you try to open it without manipulating the release mechanism



## ⚠ 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**
Clean contact surfaces and verify that the battery (6) is working and that it is installed correctly according to 2.1. Verify that there is zero gap between the battery cap (5) and the battery compartment (see Fig. 5). If the intensity switch (7) is defective, notify local dealer/armourer.

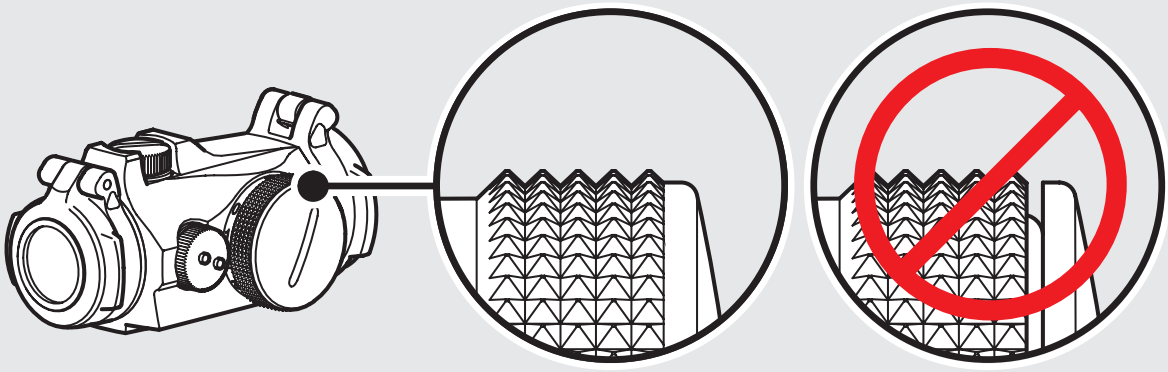


**Fig. 5** The battery compartment and the battery cap

**The sight is impossible to zero**
If an adjustment screw (3) or (4) 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)

**The front lens of the sight is tilted, has the sight been damaged?**
No. The optical system is designed for the front lens to be mounted in this way.

# 5 MOUNT INSTALLATION

To avoid damage to the sight and for proper assembly of the base (8) onto the sight, the original screws (9) (M3, 4 pcs) must be tightened by hand and with the tool (12 D).

| ⚠ CAUTION |
| --- |
| Do not use thread locking fluid as it may damage the thread inserts of the sight |

**a** Place the sight upside down in your hand.

**b** Press the base (8) against the sight and verify there is no gap.

**c** Tighten the screws (9) 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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