

# Aimpoint®

## 6XMag-1™ Magnifier User manual



**THE FUTURE IN SIGHT™**

# 1 PRESENTATION

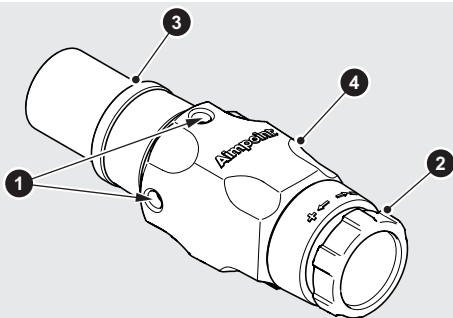
The Aimpoint® 6XMag-1 module can be used in conjunction with all Aimpoint sights for long-range aiming or observing. A variable (-3 to +3) dioptic setting allows this magnifier to be adapted to the individual shooter's eye. The 6XMag-1 can also be used as a handheld 6X monocular.

Aimpoint magnifiers utilize the red dot in Aimpoint sights as the aiming reticle, eliminating the need for re-zeroing when shifting between non-magnified and magnified aiming.

The 6XMag-1 is encased in a shock absorbing protective rubber cover that also creates an ideal ergonomic grip. Internal optical adjustments make the aligning of the magnifier and sight quick and easy.

For quick attachment/detach, we recommend the use of the Aimpoint FlipMount or the Aimpoint TwistMount.

## 1.1 Overview



**Fig. 1** Overview

1. Screws for centering
2. Diopter ring
3. Mounting surface
4. Rubber cover

## 1.2 Technical specifications

### Optical system

|                                 |        |
|---------------------------------|--------|
| Magnification                   | 6X     |
| Exit pupil diameter             | 3.3 mm |
| Field Of View (FOV)             | 3°     |
| Diopter adjustment range        | ± 3.0D |
| Eye relief                      | 70 mm  |
| Photopic, integral transmission | 75 %   |

### Physical specification

|                         |                                                                                                                                       |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------|
| Material housing        | Anodized black aluminum, black rubber cover                                                                                           |
| Dimensions (L × W × H): | 151 mm × 46 mm × 43 mm<br>(5 <sup>15</sup> / <sub>16</sub> " × 1 <sup>3</sup> / <sub>16</sub> " × 1 <sup>11</sup> / <sub>16</sub> " ) |
| Weight                  | 250 g (8.8 oz) including rubber cover                                                                                                 |

### Mechanical interface

The 6XMag-1 is provided with a 30 mm diameter tube for mounting

### Environmental specification

|                   |                  |
|-------------------|------------------|
| Temperature range | -45 °C to +70 °C |
| Humidity          | +40 °C, RH: 95 % |
| Immersion         | 25 m (82 ft.)    |

## 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 on the 6XMag-1 - other than attaching/detaching it under normal use.

### 2.1 Installing the Aimpoint® 6XMag-1 on a weapon

The mounting surface (3) of the 6XMag-1 allow for mounting to any 30 mm diameter ring mount when the rubber cover is cut away, see Fig. 2.

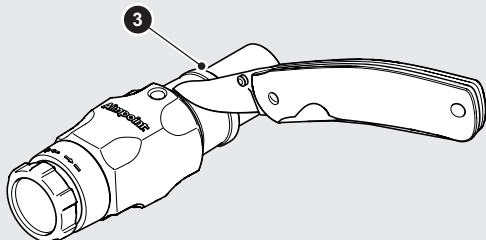


Fig. 2 Cut away rubber cover

#### 3. Mounting surface

For quick attachment/detach, we recommend the Aimpoint FlipMount or the Aimpoint TwistMount as shown in Fig. 3.

Follow the manufacturer's instructions when installing the 6XMag-1.

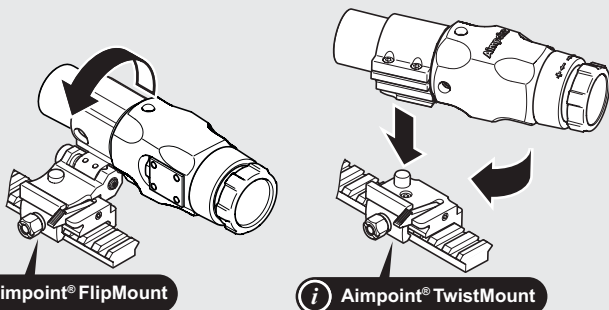


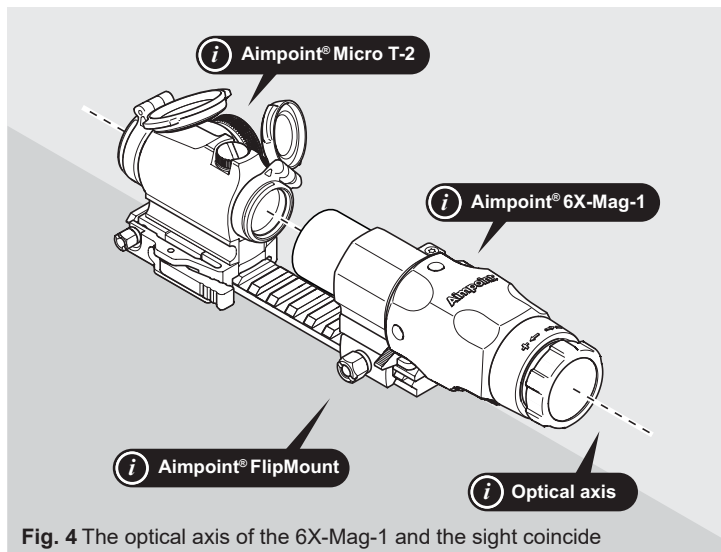
Fig. 3 Recommended mounts

The height of the mount is correct when the optical axis of the 6XMag-1 and the Aimpoint sight coincide. Select a suitable position for the 6XMag-1 on the weapon base so the eye relief is correct and feels comfortable.

Assemble the 6XMag-1 to the chosen mount and install it on the weapon. The 6XMag-1 shall be mounted with the Aimpoint logo on top.

Carefully tighten the mount to the weapon base and retighten after a few rounds.

**NOTE:** Any adjustments (see 2.2) of the 6XMag-1 does not affect the point of impact.



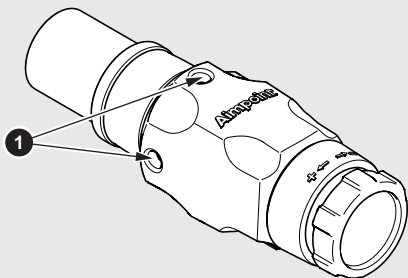
**Fig. 4** The optical axis of the 6X-Mag-1 and the sight coincide

## 2.2 Centering

The 6XMag-1 does not need to be zeroed. However, an Aimpoint sight used together with the 6XMag-1 must be zeroed so the red dot of the sight creates the correct point of impact.

The 6XMag-1 has two screws (1) that allow the user to center the red dot of the Aimpoint sight when viewed through the 6XMag-1. Centering the dot inside the 6XMag-1 is not necessary, but creates a more natural feel.

**CAUTION:** Do not continue to adjust the screws if you encounter resistance.

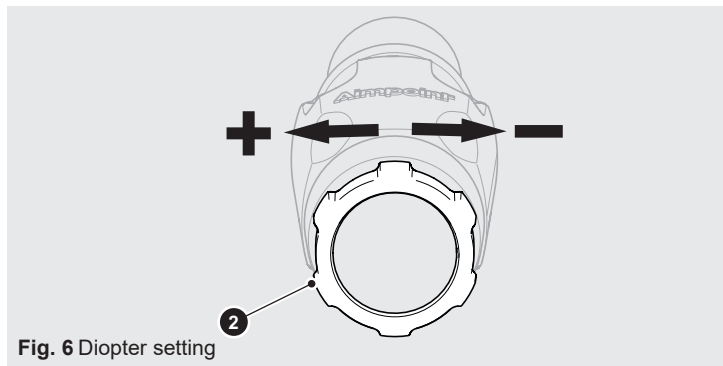


**Fig. 5** Centering

1. Screws for centering

## 2.3 Diopter setting

Additionally, on the 6XMag-1 it is possible to adjust the diopter setting by rotating the diopter ring (2) as shown in Fig. 6.



**Fig. 6** Diopter setting

2. Diopter ring

## 3 EXTREME CONDITIONS

Use in extreme heat or cold, salt air, sea spray, water, mud and snow, dust and sand storms or high altitudes does not require any special procedures.

## 4 MAINTENANCE

To reach maximum protection level for all weather conditions, wax is added into the rubber mixture. The wax is slowly migrating to the surface of the part. The wax is used up completely during frequent use and is not noticed by the user. For long time storage, the wax is not used up as frequently and is seen as a grey film on the surface. Wipe with a damp cloth to restore to its original condition.

**CAUTION:** Never clean the lenses with the fingers. Use a lens paper/cloth. If no lens paper/cloth is available, simply blow away the dirt or fog up the lenses and dry them with a clean and soft piece of cloth.

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