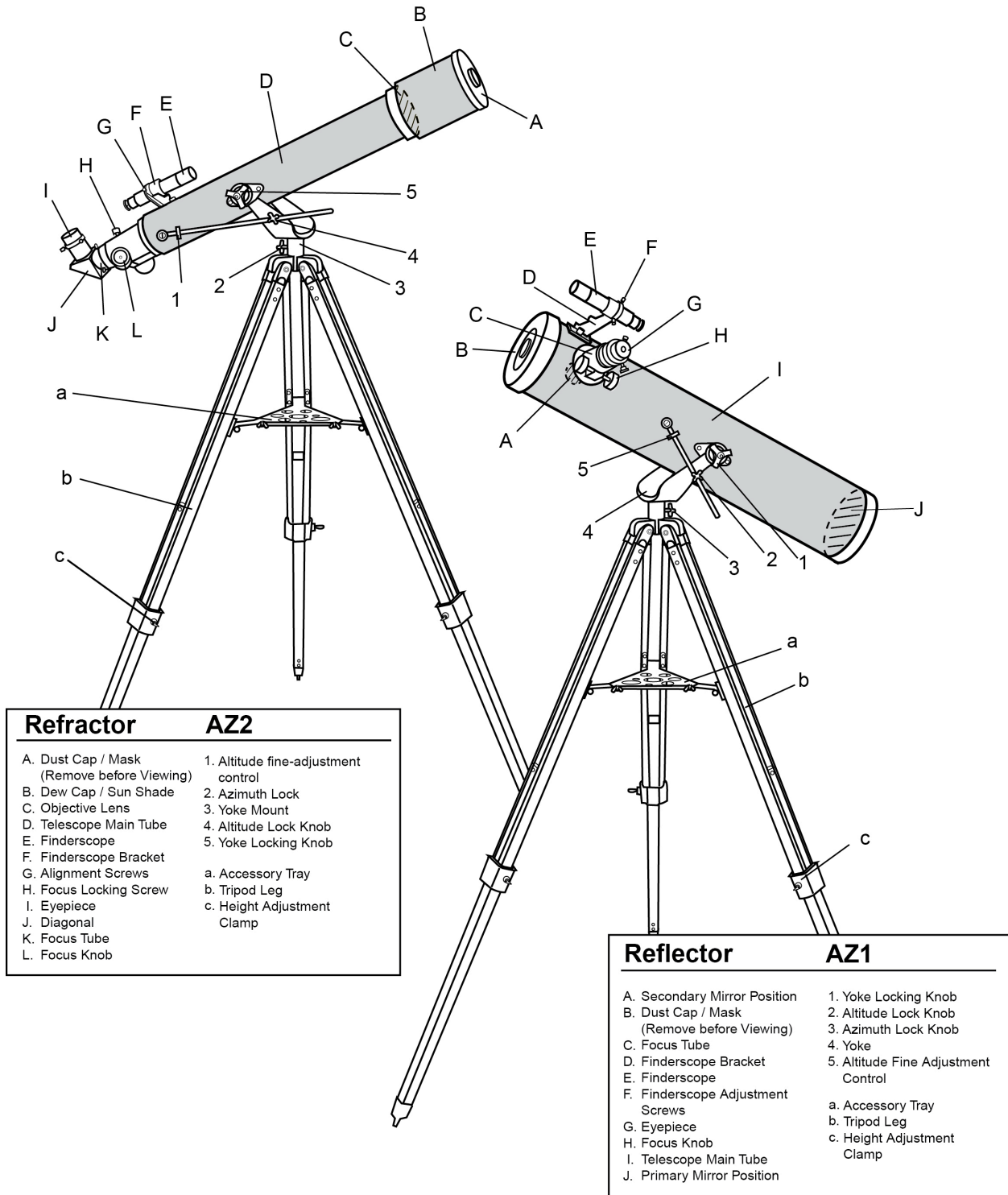




# Olivon AZ Mount User Manual



Refractor AZ2	
A. Dust Cap / Mask (Remove before Viewing)	1. Altitude fine-adjustment control
B. Dew Cap / Sun Shade	2. Azimuth Lock
C. Objective Lens	3. Yoke Mount
D. Telescope Main Tube	4. Altitude Lock Knob
E. Finderscope	5. Yoke Locking Knob
F. Finderscope Bracket	a. Accessory Tray
G. Alignment Screws	b. Tripod Leg
H. Focus Locking Screw	c. Height Adjustment Clamp
I. Eyepiece	
J. Diagonal	
K. Focus Tube	
L. Focus Knob	

Reflector AZ1	
A. Secondary Mirror Position	1. Yoke Locking Knob
B. Dust Cap / Mask (Remove before Viewing)	2. Altitude Lock Knob
C. Focus Tube	3. Azimuth Lock Knob
D. Finderscope Bracket	4. Yoke
E. Finderscope	5. Altitude Fine Adjustment Control
F. Finderscope Adjustment Screws	a. Accessory Tray
G. Eyepiece	b. Tripod Leg
H. Focus Knob	c. Height Adjustment Clamp
I. Telescope Main Tube	
J. Primary Mirror Position	

**Important Safety Note: DO NOT observe the sun with your telescope. Serious and permanent damage to the observer's eye may result.**

## Assembly Instructions

### A. Tripod Setup

#### 1. Mount Installation:

Using the provided screws, attached the three tripod legs to the connection flanges on the altazimuth mount, then secure the screws with the provided wing nuts.

#### 2. Tripod Height Adjustment:

For all three tripod legs, extend the tripod legs by loosening the locking screws on the tripod legs and pulling the lower leg sections outward, then tighten the locking screws to secure the position of the lower leg sections.

Now spread the tripod legs and stand the tripod on even ground, so you can adjust the height of each leg as required.

#### 3. Accessory Tray Installation:

Fasten the accessory tray to the center brace of the tripod using the provided screws. Please do not ignore this step as the tray not only provides you with the convenience of holding small accessories but also adds stability to the tripod.

### B. AZ Mount Setup

#### Elevation Adjustment Control And Telescope Tube Installation:

1. Slide Elevation Adjustment Control through the hole of the bolt on the side of AZ mount.
2. Place the telescope tube into the AZ fork mount, and align the threaded studs on the telescope's side with the slot near the top of the fork mount.
3. Using the two black thumbscrews, fasten the aligned parts mentioned in step 2.
4. Lastly use the small locking screw to secure the Elevation Adjustment Control to the telescope's threaded hole by the fastened parts mentioned in step 3.

### C. Finder Scope/Red Dot Finder Installation

1. Remove the pair of nuts on the top of telescope near the eyepiece to expose the two bolts.
2. Align the holes on the base plate of your finder scope/red dot finder with the exposed bolt, facing in the same direction as the main telescope.
3. Fasten the nuts removed in step 1 back to the exposed bolts, and secure the finder scope/red dot finder.

## D. Eyepiece Installation

1. Remove the black dust cap on the focuser
2. Loosen the knurled screws
3. *For Newtonian Telescopes:*  
Insert the eyepiece, then tighten the knurled screws to secure your eyepiece.

*For Refraction Telescopes:*

Insert the diagonal prism into the focuser first, tighten the knurled screws to secure the prism. Then insert the eyepiece into the diagonal prism and secure it.

## Telescope How-To's

### A. Aligning the Finder Scope to Main Telescope

*An accurately aligned finder scope assists you in locating celestial objects quickly  
We recommend performing the following procedure in daylight*

1. Point your main telescope to a sharp object (example, church steeple, treetop, or telephone pole) about 1 mile away, and accurately center the object on your telescope's field of view.
2. Now look through the finder scope. Using the three side adjustment screws, accurately center your target to the crosshairs in the finder scope.
3. Verify again that the same target is centered on both your finder scope and your main telescope.

### B. Aligning the Red Dot Finder

*An accurately aligned red dot helps locate your target celestial object quickly in your view  
We recommend performing the following procedure in daylight*

1. Remove the plastic strip on the battery.
2. Turn on the Red Dot Finder by turning the small screw on the side. Adjust the brightness of the Red Dot by turning the same screw.
3. Point your main telescope to a sharp object (for example, peak of a church, or top of a tree) 1-2 km away, and accurately center the object on your telescope's field of view.
4. Using the azimuth adjuster at the front end and the height adjuster at the rear end to point accurately at your target.
5. Verify again that the same target is centered on the Red Dot Finder window and your main telescope.

## **C. Using the AZ-1 and AZ-2 Mounts**

### **C1. Targeting a Celestial Object**

1. Loosen the screw (located just under the fork mount) for the azimuth adjustment, which controls the horizontal movement.
2. Keeping hold of the telescope tube with your hand, carefully loosen the locking screw on the elevation rod (located on the side of the mount). Now your telescope is free to move both vertically and horizontally.
3. Point the telescope to the approximate direction of your target celestial object, then use the finder scope to point the telescope more accurately to your target. Now lock the elevation rod screw.
4. Using the fine elevation adjustment control (flat screw) on the elevation rod which allows you to tilt the telescope slightly, make the final adjustments so your target is centered on the field of view of the eyepiece.

### **C2. Tracking the Targeted Celestial Object (“Guiding the Telescope”)**

*Before proceeding please read the above section on how to target a celestial object*

1. The azimuth axis should remain unlocked during guiding if you followed section C1, so simply push the telescope tube to change its position to follow your target.
2. However, as celestial objects move in an arc, therefore to keep your target centered, you will also need to use the fine elevation adjustment control as required.
3. Guiding requires a little practice. With a little time you will be able to track your target quickly and accurately.

### **C3. Focusing the View And Increasing Magnification**

1. Center the object on your field of view
2. While looking through the eyepiece in the focuser, slowly turn the focus wheel until the image is at the sharpest.

*We recommend choosing the eyepiece with the least power to assist in focusing and locating the celestial object easier. Once you have the object centered and focused, change the eyepiece to increase the magnification. Refocusing will be required.*

Enjoy the Views  
⌘  
Thank you for choosing Olivon