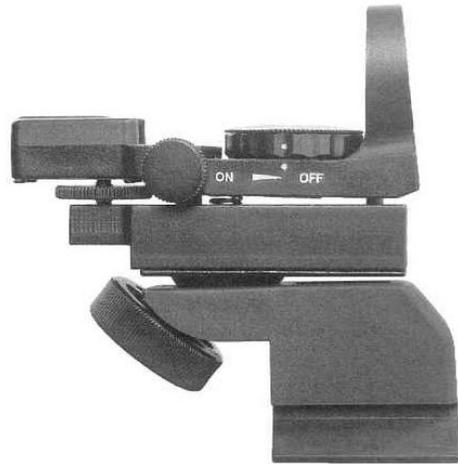


Instruction Manual for XY Dot Finder

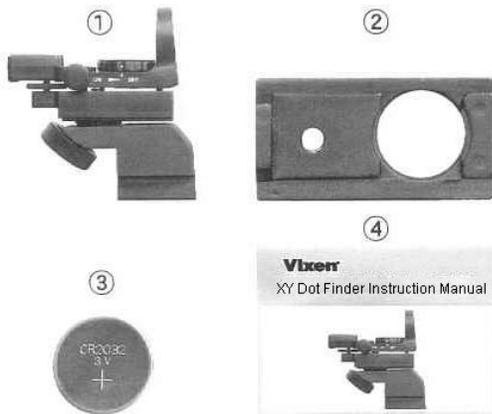


Checking Contents

Thank you for your purchase of a Vixen XY Dot Finder. The XY Dot Finder features a built-in fine adjustment mechanism for vertical and horizontal motion. The red dot light is not a laser and it does not harm your eyes.

Make sure that your box contains the following parts.

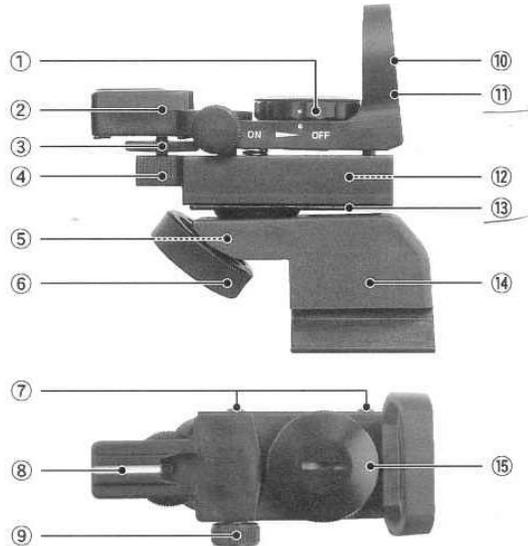
- XY Dot Finder
- Low-profile Finder-base
- CR2032 battery
- Instruction manual



Parts Description

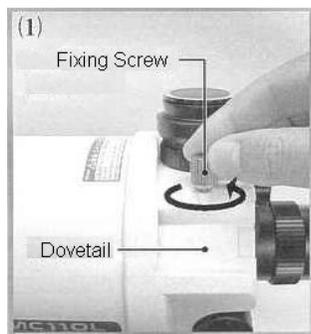
- 1 Brightness dial
- 2 Plastic frame
- 3 Vertical fine adjustment
- 4 Finder body
- 5 Alignment clamp screw (inside)
- 6 Alignment clamp
- 7 Lock screws
- 8 Sight line

- 9 Horizontal fine adjustment
- 10 Zero-power objective lens (inside)
- 11 Guidepost (inside)
- 12 Finder holding plate (underneath)
- 13 Finder bracket
- 14 Mounting block
- 15 Battery container cover

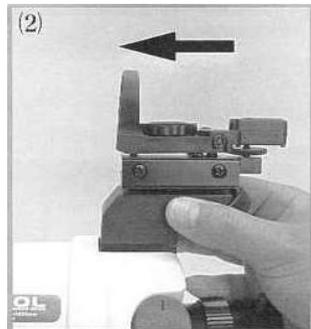


Attaching the XY Dot Finder to the telescope tube

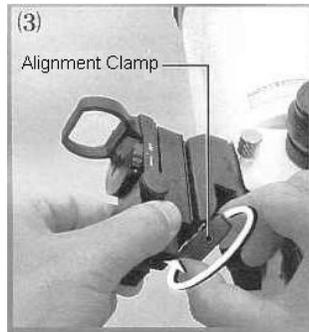
1) Loosen the finder bracket fixing screw fully to allow insertion of the dovetail mounting block of the XY Dot Finder unit.



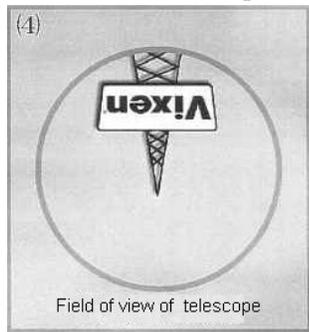
2) Attach the XY Dot Finder to the telescope as shown in the figure 2, tighten the finder bracket fixing screw securely (The mounting block is made of plastic and over tightening the fixing screw may cause damage.).



3) Unfasten the alignment clamp by turning counter-clockwise and set the finder body roughly in parallel with the telescope tube. Then, fasten the alignment clamp by turning clockwise.



4) Choose a conspicuous target in the distance and place the target in the center of the field of view of the telescope at low power.



Please read the instruction manual supplied with the telescope to understand how to align the finder scope.

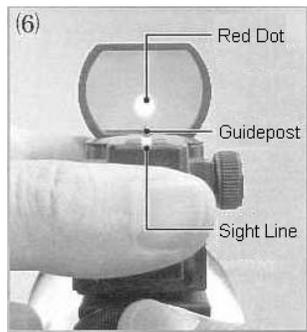
Adjusting and Aligning the XY Dot Finder

1) Activate the red dot by turning the brightness dial to clockwise. The brightness of the red dot can be adjusted freely by turning it to obtain brightness suitable for viewing.



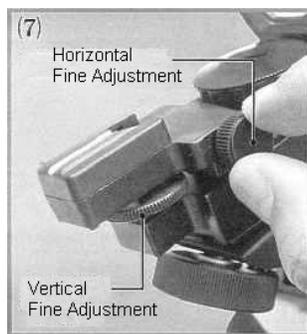
The red dot goes off when the dot marked on the brightness dial is aligned with the dot on the finder body.

2) Confirm the red dot can be seen in alignment with the sight line and the guidepost in the lower middle of the zero-power objective lens. Then, point the red dot toward your target object as you look through the telescope in order to align the field of view of the XY Dot Finder with the field of view of the telescope.



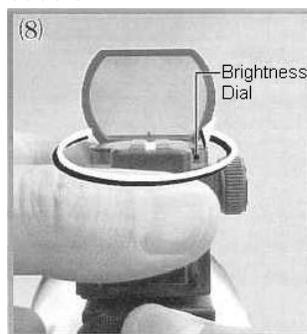
The red dot comes into focus when you view infinity.

3) Position the red dot by using the fine adjustments, which can move the finder in vertical and horizontal directions independently. Place the target and the red dot so they overlap each other.



4) After you finish the alignment, turn off the red dot by turning the brightness dial counter-clockwise until it clicks.

Now the XY Dot Finder is ready for use. Turn on the red dot when you begin your observing session.

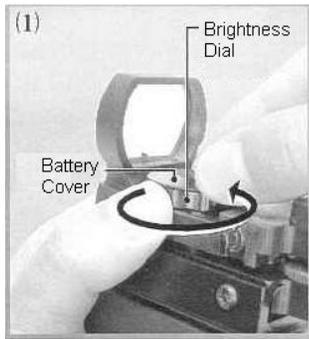


Do not force the brightness dial. This may damage your adjustments for alignment.

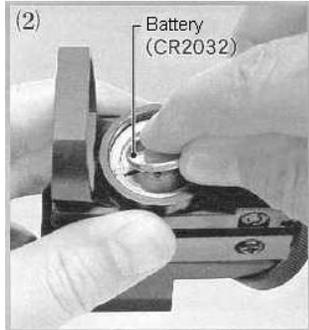
Replacing the Battery

The XY Dot Finder comes with the CR2032 battery.

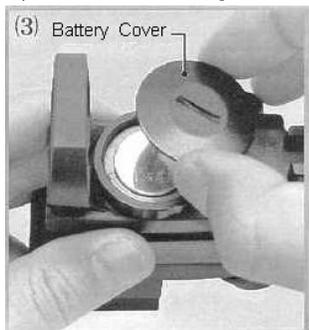
1) Make sure that the brightness dial is in off position. Open the top battery container cover by turning counter-clockwise while holding down the brightness dial as shown in the figure 1 right.



2) Push down the rim of the battery to squeeze out the battery from the battery container. Remove it and replace with a fresh battery.



3) Put the battery container cover back in place and close it.

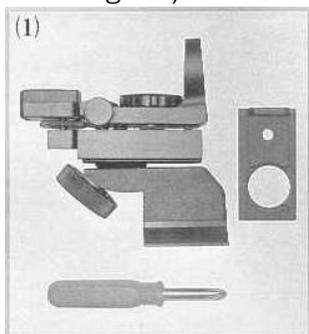


Using the XY Dot Finder in the daytime (e.g. Digi-scoping) exhausts the battery very quickly as the red dot is apt to be set at its maximum brightness. Carry an extra battery, just in case.

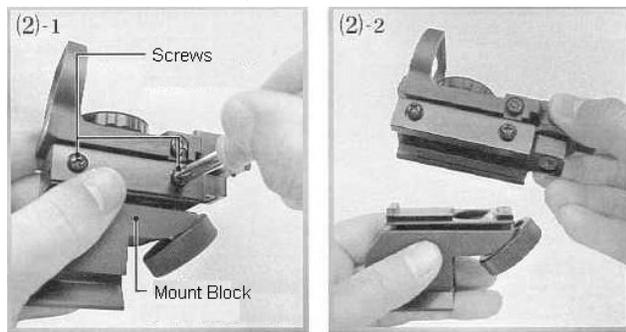
Attaching the Low-profile Finder-base (at your option)

The low-profile finder-base has a 1/4-20 thread for general use.

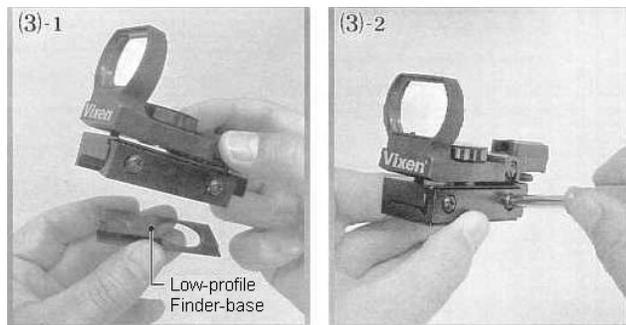
1) You will need the low-profile finder-base and a Phillips screw driver together with the XY Dot Finder. (The mounting block is preset to the XY Dot Finder at Vixen's factory as shown in the figure.)



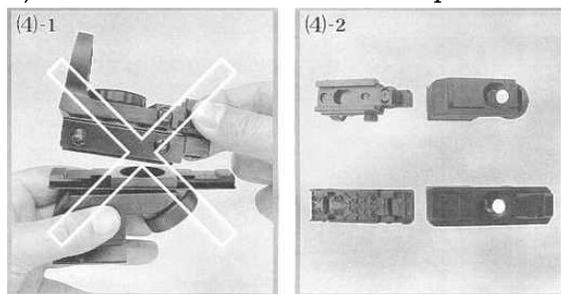
2) Loosen the two screws on the side of the finder body to detach the finder bracket from the XY Dot Finder. (The finder bracket can be removed with a back and forth slide motion as you loosen the screws.)



3) Attach the low-profile finder-base on the back of the finder body and tighten the two screws securely. (The low-profile finder-base has a front and rear, but you can attach it either way according to your needs.)



4) This XY Dot Finder is not compatible with the previous Vixen Dot Finder models.



Tips on using the XY Dot Finder

Loosening the alignment clamp will allow you to turn the XY Dot Finder to 180 degrees laterally. This may facilitate your viewing through the eyepiece if the alignment clamp causes interference. Please change the orientation of the alignment clamp if this is the case.

