

# Sky-Watcher Classic 250P Dobsonian

## Contents:

10" Dobsonian tube

Cradle

Cradle handles x2

Finder scope and holder

1x Collimating eyepiece

1x 12mm eyepiece Celestron x-cel lx

1x 26mm Meade super plossl

1x Orion 2x Barlow lens

Focus controller

## Assembly

1. Place the tube upright with focus assemble at the top and away from the cradle.
2. Rotate cradle so that the open side is against the tube.



3. Lift the tube (not by the focuser) into the cradle so that the black rotators sit on the white nylon supports.

4. Insert the handles and tighten to finger tight.



5. Insert the finder scope into the dovetail clamp and tighten



6. Remove the dust cap from the focuser by loosening the two retainer screws and insert the 26mm eyepiece. Tighten the retainer screws just enough to hold the eyepiece.

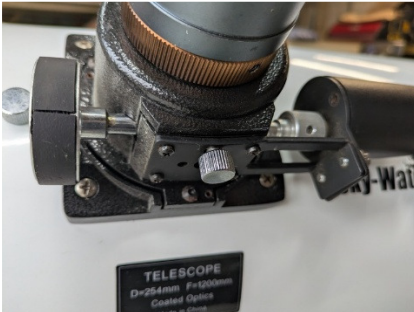


7. Remove the tube dust cap.

8. Insert the electric focuser by lining up the two white dots on the cables. Attach the controller to the cradle using the Velcro.



9. Ensure the focuser locking screw is loose.



## Setup

Focus the main tube on a prominent object e.g. a chimney pot or tree some way off. Ensure the locking screw is loose. You may have to help the focuser move with a gentle assist on the focuser assembly (do not pull too hard).

Adjust the finder scope using the adjuster screws to also line up on the same object. This makes finding celestial objects much easier later.

## Steps to Use the Collimating Eyepiece

1. **Insert the Eyepiece:** Place the Cheshire tool into the 1.25inch focuser.
2. **Illuminate the Interior:** Rotate the tool so the angled silver surface faces a light source. This makes the internal crosshairs and reflection bright and easy to see.
3. **Position the Scope:** Point the telescope at a well-lit area, avoiding direct sunlight.
4. **Check Secondary Mirror Alignment:** Looking through the peephole, adjust the secondary mirror until the edge of the secondary mirror is perfectly centered and concentric with the bottom edge of the Cheshire tool.
5. **Align the Primary Mirror:** Look for the reflection of the crosshairs and the center spot on the primary mirror. Turn the primary mirror adjustment screws until the crosshairs (and the bright circle) are perfectly centered over the center spot on the primary mirror.