

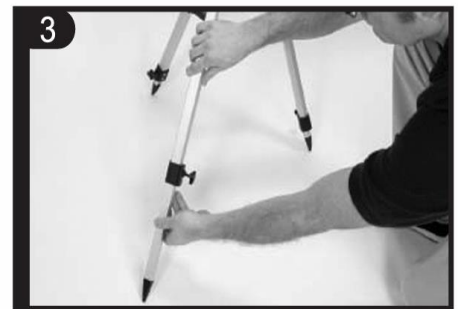


S81607 Refractor Telescope

WARNING: NEVER LOOK AT THE SUN THROUGH THE TELESCOPE OR FINDERSCOPE WITHOUT A PROPER SOLAR FILTER!

COMPONENT INSTALLATION

1. Unbox and identify all parts. Includes: Optical tube, objective lens cap, tripod, accessory tray, eyepieces, diagonal, finderscope.
2. Place the tripod legs on solid ground, spread them as far as possible, and press down the center spreader.
3. Loosen the locks at the bottom of each tripod leg, extend to the desired height, and lock them.



4. Follow the steps above for the other two telescopic inner legs.
5. Place the accessory tray with the screw facing down on the upper side of the tripod spreader.
6. After correct installation, the position of the accessory tray will be as shown in the image above.



7. Locate the slow-motion rod guide on the side of the U-shaped bracket. Loosen the altitude locking screw until it does not affect the movement of the slow-motion rod. Grasp the telescope optical tube, place it above the U-shaped bracket, and insert the slow-motion rod into the guide hole.
8. Slowly place the optical tube into the center of the U-shaped bracket. Align the screw holes on both sides of the tube with the screw holes of the U-shaped bracket. Pass the tube fixing screws through the bracket holes into the tube's screw holes and tighten moderately to fix the tube. Moderately tighten the altitude locking screw.
9. To install the finderscope, remove the 2 thumb screws near the focuser at the rear of the optical tube.



10. Ensure the larger end of the finderscope faces the front of the optical tube. Insert the two holes on the finderscope bracket onto the two threaded studs on the tube. Re-install the 2 thumb screws removed in the previous step and tighten them moderately. Remove the dust caps from the front and rear of the finderscope.

11. Remove the dust cap from the rear end of the focuser. Loosen the locking screw on the side of the focuser so that it does not protrude into the inside of the focuser tube.

12. Take out the diagonal and remove all dust caps. Loosen the locking screw on the diagonal so that it does not enter the inside. Insert the smaller end of the diagonal into the focuser all the way. Moderately tighten the locking screw on the side of the focuser to fix the diagonal in place.



13. Insert the silver barrel of the 20mm eyepiece into the diagonal all the way. Moderately tighten the locking screw on the diagonal. Eyepieces can be used interchangeably.

14. Remove the objective lens cover from the front of the telescope and observe through the eyepiece. You may need to turn the focus knob to adjust the sharpness.



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FIRST NIGHT OBSERVATION: THE MOON

Your telescope is now ready for nighttime use. Start with the Moon. The best detail is visible between a New Moon and a Full Moon.

- 1. Setup:** Use the long-focal-length eyepiece first. The one with least magnification.
- 2. Aim:** Point the telescope so the finderscope crosshairs are centered on the Moon.
- 3. Observe:** Look through the eyepiece and focus carefully. Switch to a shorter focal length for higher magnification.



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