

Coronado Solarmax 60

Cheat Sheet

Before you head to the site:

Make sure the 8 rechargeable batteries in the drive assembly are fully charged. The mount has no manual fine adjustments, so it will be very hard to observe the sun without power.

Assembly (Using DS-2000 Mount):

1. The DS-2000 mount is pretty light and portable. But once you set up, you don't want to move it, so choose a good location where the sun will be visible for as long as you need.
2. Extend the tripod legs according to the height of your audience. The eyepiece will always be lower than the altitude axis (#4, Fig. 1), so that will give you a height to gauge.
3. Attach the drive motor to the tripod by tightening the base lock knob (#3, Fig. 1).
4. The optical tube assembly (OTA) rests on the "tray" formed by the mounting plate (#5, Fig. 1) attached to the altitude axis. Use the two thumb-screws to attach the OTA to the tray.
5. Unscrew the altitude axis lock and check that the OTA is balanced and adjust if necessary.
6. Plug the hand controller into the "HBX" port on the drive assembly (Fig 1c, inset).

Alignment:

Note: the instructions in the manual that came with the telescope are incorrect. This is the correct procedure:

1. Loosen the base lock knob slightly so that you can adjust the telescope's azimuth and unlock the altitude lock.
2. Put the bubble-level/compass (#15, Fig 1d inset) into the diagonal prism. Align the telescope so that it is pointing North (12° West of magnetic North). Tighten the base lock knob.
3. Adjust the altitude of the telescope to be level. Lock the altitude axis.
4. Turn on the drive.
5. You'll get a buzz, then options '0' to align or Mode for Menu. Press Mode twice.
6. Use the UP/DOWN scroll buttons (see Fig. 2) until "Setup: Date" is displayed. Press Enter and verify/edit the date
7. Press DOWN scroll button to get to "Setup: Time", press Enter and verify/edit the local time.
8. Press DOWN scroll button to get to "Setup: Daylight Savings", press Enter and turn it on/off if needed.
9. Press DOWN scroll button until "Setup: Target" is displayed. Press Enter and use the DOWN scroll button to select "Astronomical". Press Enter to select. You will probably hear the motors start to track.
10. Using the Direction keys (see Fig. 2), slew to the Sun. Start by making the shadow of the OTA as small as possible. Then, you should see the pin-hole image of the sun on the frosted glass of the finder. Center it.
11. Reduce speed (pressing the numerical keys sets the speed from 1-9). Center the sun in the field of view.
12. Press and hold Enter for 3 sec. Release and you will hear a buzz. The telescope is now tracking the sun. You'll need to keep adjusting (probably every few minutes) to keep the sun in view.

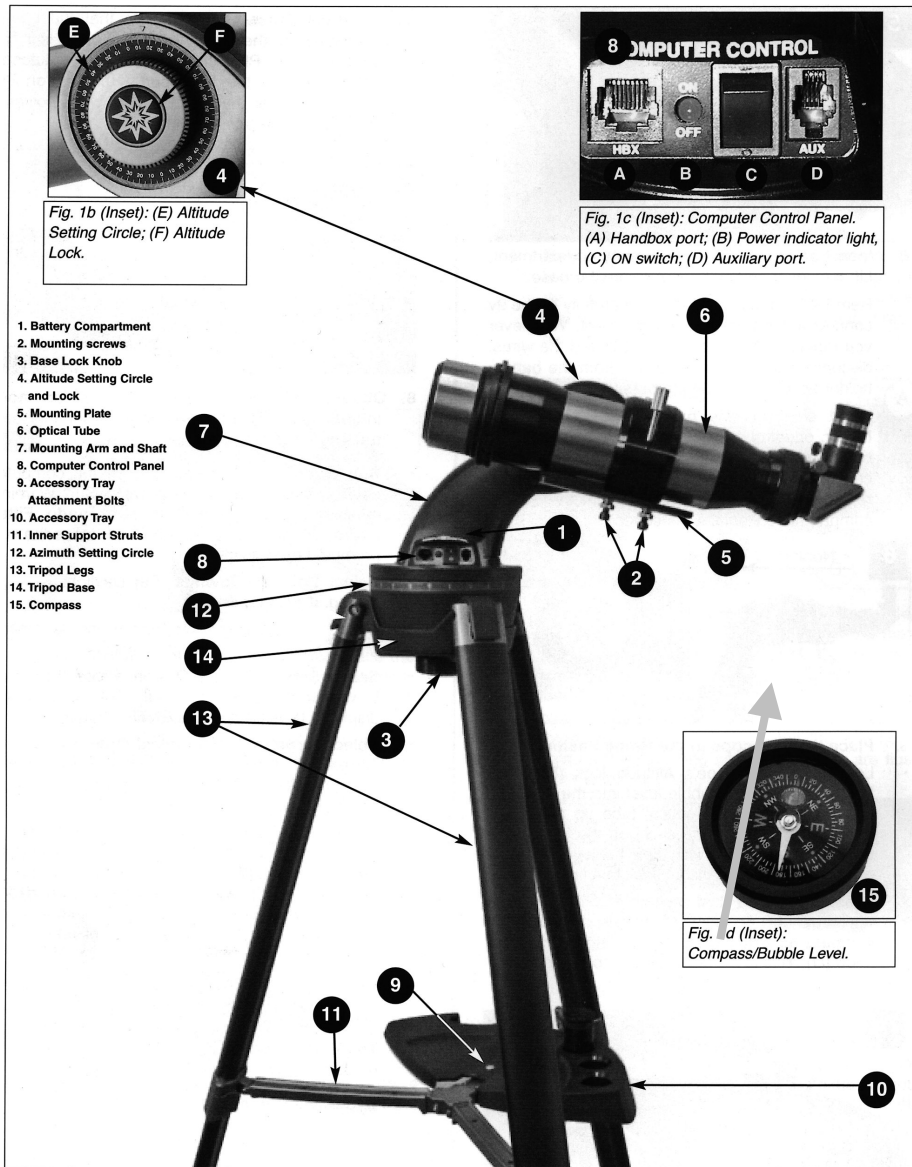


Fig. 1

Direction buttons

UP/DOWN scroll buttons



Fig. 2