Extend tripod legs 6 to 8 inches by loosening the tripod leg locking knob and pulling the leg to desired length and re-tightening knob.

Assemble tripod by spreading the legs out until the center leg brace is fully extended.

All three legs should be the same length to provide a level platform for the telescope. A bubble level is included (inset) to assist in leveling.

Place accessory tray on top of center leg brace by lining up the grooves on the tray to the post on the brace.

Once grooves are aligned, turn accessory tray until it snaps into clips on each leg brace.

Thread the coupling screw into the hole at the bottom of the fork arm base. Tighten screw to secure the fork arm.

Slide the optical tube dovetail into the fork arm as shown above.

NexStar 102SLT

Item #22096

Your NexStar 102SLT includes: optical tube; fork arm; pre-assembled tripod; computerized hand control; hand control holder; star diagonal; two eyepieces; finderscope; accessory tray; documentation including an owner’s manual, The Sky® CD and NSOL Telescope Control Software.
Before you can begin observing, you must setup your hand control, align your finderscope and align your telescope. Step by step instructions are included in the following Hand Control Setup section.
Before you can begin using your NexStar 102SLT, you must setup your computerized hand control and go through the SkyAlign alignment procedure. In order for the NexStar to accurately point to the objects in the sky, it must first be aligned with known positions (stars) in the sky. With this information, the telescope can create a model of the sky, which it uses to locate any object in its database.

1. Turn power switch (located on the side of the fork arm) to “on” position. The light will come on and the hand control will display “NexStar SLT”.

2. You will notice that there are directional arrows in the center of the hand control. These only move the telescope. They cannot be used to scroll through menu features.

3. Now you will need to align the finderscope. Turn on the red LED light by turning the knob shown above. When used for the first time, remove the clear plastic disk that is located between the battery clip and the battery. See inset.

4. Use the hand control direction arrow buttons to point telescope at a distant land object, like a telephone pole or at night you can use the moon. Center and focus the object in the 25mm eyepiece of the telescope.

5. In order to accurately center an object in the eyepiece it may be necessary to change the slew speed of the motors. To change the slew speed, press the RATE button then select a number from 1 (slowest) to 9 (fastest).

6. With the object centered in the eyepiece, use the azimuth (right/left) and altitude (up/down) adjustment knobs on the finderscope to place the red alignment dot directly over the centered object.

7. Once you have aligned your finderscope, make sure to turn off the LED light to conserve the battery. Now you are ready to align the telescope. This will have to be done at night.

8. When the display reads NexStar SLT, press ENTER to begin the alignment procedure.

9. Use the UP and DOWN scroll buttons (located on #6 and #9) to select “SkyAlign” then press ENTER. Now you will need to enter your site/time information.

10. The hand control will display the last entered time and site information. Since this is your first time using the NexStar, press UNDO to enter your site and time information.

11. Press ENTER to select City Database. Use the Up and Down scroll buttons (located on #6 and #9) and choose the closest city to your present location. Press ENTER after selecting the country, state and city.

12. Using the numeric key pad enter your time information. Press ENTER to continue. Press UNDO to backspace.
If you have questions or problems with set-up, please contact Celestron Technical Support: 310-803-5955.