

60 & 80 LCM Telescopes



Quick Set-up Guide



1 Your LCM 60 & 80 telescopes include: optical tube with StarPointer finderscope attached, motorized base, tripod, accessory tray, two eyepieces (9 mm & 25 mm), computerized hand control, The Sky® CD, and owner's manual



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



3 Extend tripod legs 6 to 8 inches by lifting the tripod leg locking lever and pulling the leg to desired length and snapping down the lever.



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



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



6 Place the motorized base on top of the tripod making sure that the three round feet rest on the round flat pads on the inside of the tripod head.



7 Thread the coupling screw into the hole at the bottom of the motorized base. Tighten screw to secure the base to the tripod.



8 Loosen the altitude lock and rotate the tube clamp so that the locking screw is positioned on the top of the base. Then tighten the altitude lock by hand, but don't over tighten.



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



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Secure the tube to the base by tightening the locking screw on the top of the base.



Insert the chrome barrel of the star diagonal into the focuser and tighten the two silver screws to secure in place.



Select the low power (25 mm) eyepiece and insert it as shown above.



Tighten silver screw to secure.



Attach plastic hand control holder to the tripod leg.



Slide Computerized Hand Control into the hand control holder as shown above.



Plug Computerized Hand Control into the "Hand Control" port on the fork arm.



Press the tab on the front of the battery compartment and remove the cover.



Gently remove the battery holder from inside the battery compartment.



Place 8-AA batteries (user supplied) inside the battery holder.



Return the battery holder back inside the base and replace the cover.



Before you begin viewing, please remember to remove tube lens cap.



While observing, tube should be positioned as shown above.

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.

Hand Control Guide

Before you can begin using your 60 & 80LCM, you must setup your computerized hand control and go through the SkyAlign alignment procedure. In order for the LCM 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 base) to "on" position. The light will come on and the hand control will display "LCM Ready".



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 Unscrew battery cover for the StarPointer finderscope. Insert battery with "+" side facing out. Now you will need to align the finderscope. Turn on the red LED light by flipping the switch to the "on" position.



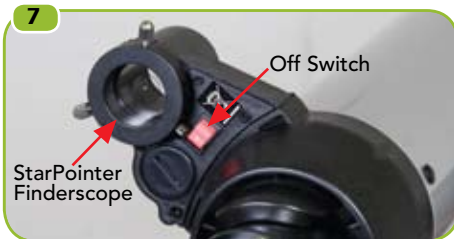
4 Use the hand control direction arrow buttons to point telescope at a distant land object, like a telephone pole or at night you can use the moon. Center and focus the object in the 25 mm eyepiece of the telescope.



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 Without moving the main telescope, turn the finderscope's two adjustment screws until the red dot is directly over the alignment star.



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 LCM Ready, 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 LCM, 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.



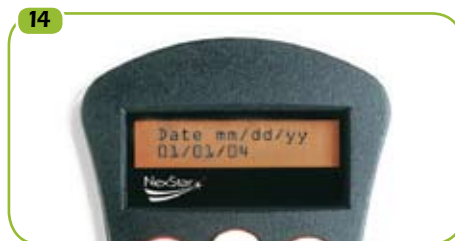
12 Using the numeric key pad enter your time information. Press ENTER to continue. Press UNDO to backspace.

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Now, using the Up and Down scroll buttons (located on #6 and #9), verify the time zone you are in and press ENTER.



Using the numeric key pad enter the date. Press ENTER to continue. Press UNDO to backspace.



Use the directional arrow keys on the hand control to slew (move) the telescope towards any bright celestial object in the sky. Center the object in the finderscope and press ENTER.



If the finderscope has been properly aligned, the alignment star should now be visible in the field of view of the eyepiece



The hand control will prompt you to center the bright alignment star in the center of the eyepiece. Once centered, press ALIGN. This will accept the star as your first alignment position.



For the second alignment object, choose a bright star or planet as far from the first alignment object as possible. Once again use the directional arrow buttons to center the object in the finderscope and press ENTER. Once object is centered in the eyepiece, press ALIGN.



Repeat the process for the third alignment star. When the telescope has been aligned to the final star, the display will read "Match Confirmed". Press UNDO to display the names of the three bright objects you aligned to, or press ENTER to accept these three objects for alignment.



Now that your telescope is properly aligned, you are ready to find your first object. Press the TOUR button on the hand control. The hand control will display a list of objects that are visible for the date and location entered.



Press INFO to read information about the object displayed. Press the DOWN scroll key to display the next object. Press ENTER to slew (move) to the displayed object.

For general usage information, please consult your user's manual.

**If you have questions or problems with set-up, please contact
Celestron Technical Support: (310)803-5955**

For complete specifications and product information, visit: www.celestron.com
Product design and specifications are subject to change without prior notification.
Designed and intended for those 13 years of age and older.

