

QuickStart Guide to Orion XTx Intelliscope

Setup

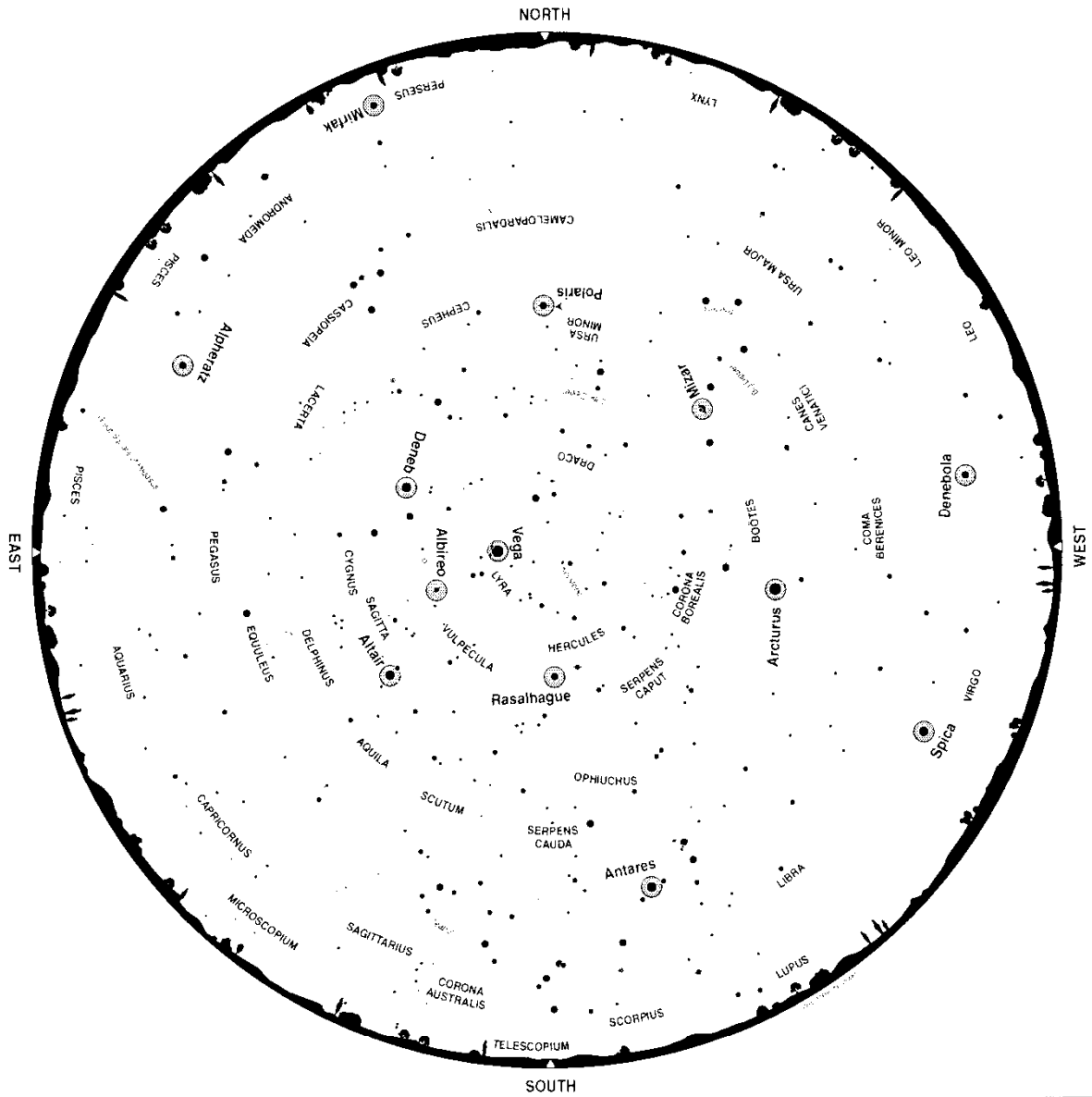
2. Place OTA into the rocker. The knob with the silver washer goes on the side with the metal shaft. The knob with the plastic washer on the other side. Use the latter to adjust the tension of the altitude until the scope holds its position with the 26 mm eyepiece installed and with it removed. Plug in the hand controller.
3. Level the base. A bubble level is glued to the base. Make sure what ever you use will not shift when the scope rotates
4. Turn on the hand controller.
5. The controller should read POINT VERTICAL. If it does not see the Orion manual.
6. Place the OTA so it is pointed exactly straight up. The Orion manuals contain a more accurate method, but if the stop is set correctly and the base is level rotating the OTA until it hits the stop will be straight up.
7. Press Enter
8. Now consult the star charts on the next pages and select two named stars. Ideally these should be far apart in both azimuth and elevation.
9. Find the two stars in the sky
10. The controller should be saying "ALIGN STAR 1". Scroll to the first star. Center it in the finder, then the 25mm eyepiece, and finally precisely in the center of the 6 mm. Press Enter
11. Repeat for the second star, but don't press Enter just yet
12. When you press enter a WARP number will flash for a second. This is only displayed once you have to watch.
13. If the value is ± 0.5 then you are aligned. Anything outside of that range is a start over. Typically it means you picked the wrong star or did not have it centered.

Moving the OTA

When you move the OTA to a very different azimuth always lower the elevation of the scope to 45 degrees or less and then move the OTA. This will avoid rotating the ground board and losing alignment. Once you are close to the correct azimuth raise the tube and adjust.

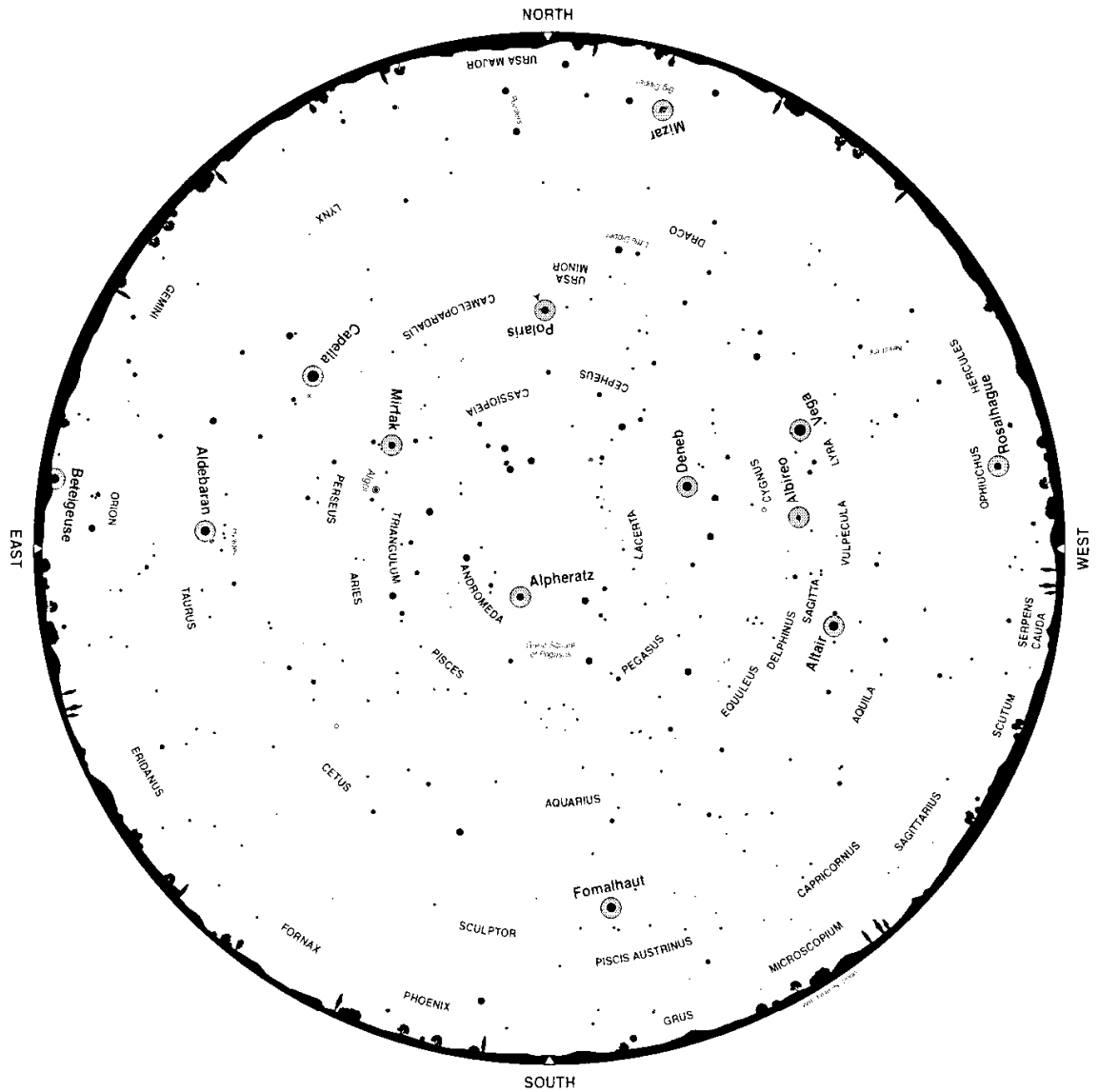
Using the Intelliscope

If you have aligned correctly the Intelliscope will tell you how to move the scope to get to the object. It does this by displaying arrows and direction for az and alt. Don't worry about which direction is which. Move the scope and see which way the numbers are changing. Let that be your guide. The object should be in the 26mm eyepiece when the Intelliscope reads 0.0 0.0.



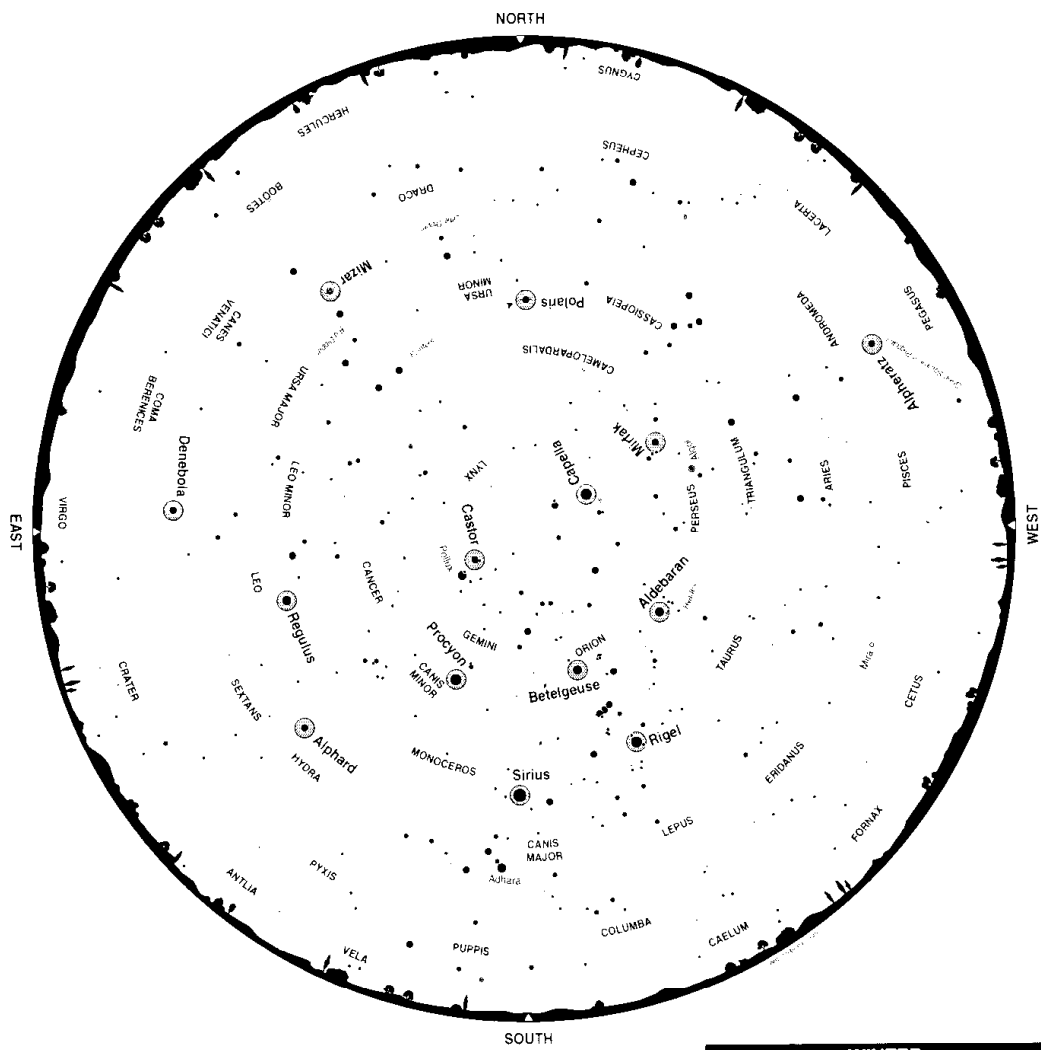
SUMMER	
Early June	2:00 AM*
Late June	1:00 AM*
Early July	12:00 AM*
Late July	11:00 PM*
Early August	10:00 PM*
Late August	9:00 PM*
Early September	8:00 PM (dusk)*

*Daylight saving time



AUTUMN	
Early September	2:00 AM*
Late September	1:00 AM*
Early October	12:00 AM*
Late October	11:00 PM*
Early November	9:00 PM
Late November	8:00 PM
Early December	7:00 PM

*Daylight saving time



WINTER	
Early December	2:00 AM
Late December	1:00 AM
Early January	12:00 AM
Late January	11:00 PM
Early February	10:00 PM
Late February	9:00 PM
Early March	8:00 PM