Sky-watcher Skymax 127 Az GTi

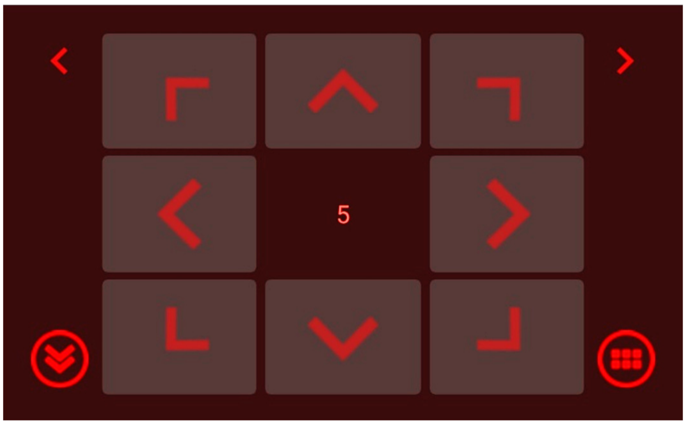
Instruction guide

The telescope will look like this when all set up and ready to go.

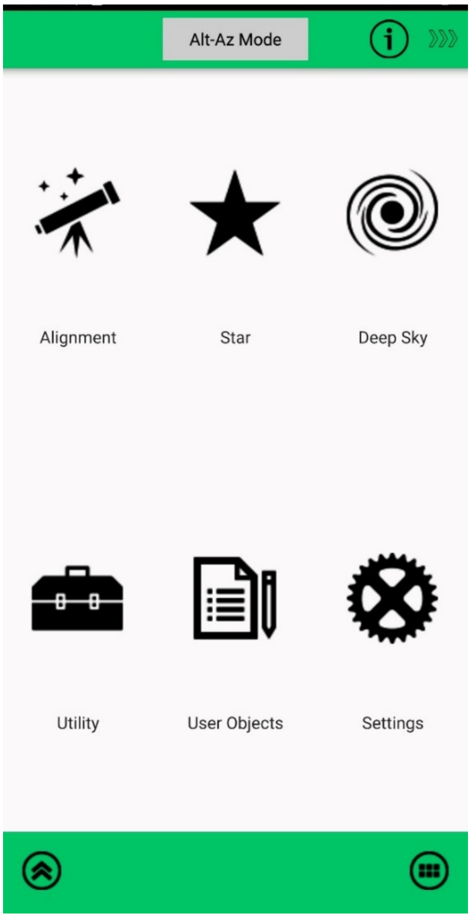
To get this far, follow the steps below:

1. Open the tripod legs and twist the legs in turn to set the height of each. Twist the opposite direction to lock each leg. Try to key the top of the tripod level. You can use an app on your phone to do this or the tripod bubble indicator,
2. Put the accessory tray on to the struts between the legs and rotate so it drops on the central lug. Rotate gently so it locks under the lip on each strut,
3. Add the extension tube on top of the tripod and screw in place from between the tripod legs,
4. Connect the AZ-GTi mount to the extension. This will require you to remove the white top to the extension by loosening the 3 thumb screws. Screw the top onto the mount and then reattach to the extension,
5. Pick up the optical tube and slide the green dovetail into the clamp on the side of the mount. Fix it in place by doing up the black knob,
6. Slide in the star diagonal on the rear of the telescope and secure in place with the thumb screw. Slide in a 25mm eyepiece into the open end of the diagonal and again secure with a thumb screw. The 25mm will give you a wide view to help find things,
7. Add the red dot finder at the rear of the telescope, pointing forward, by sliding into the small dovetail shoe,
8. Do not force the telescope to move it around. It has two clutches that if you loosen will allow you to move left and right (azimuth) and up and down (altitude). The azimuth clutch is a thumb screw on the lower right side of the mount. Th altitude clutch is a bigger thumb wheel on the mount on the other side of the green dovetail. Loosen the clutches to orientate the telescope manually. Tighten the clutches to allow the telescope to find objects in the sky,
9. Use the clutches to level the telescope horizontal and point the front of the telescope towards north,
10. Put 8 AA batteries in the exterior powerpack and plug into the mount. Ensure the slider on the powerpack is on. Switch on the telescope mount using the red switch on the rear,

11. Switch on the red dot finder using the round knob on the side and adjust for desired brightness. Remember to switch it off at the end of the session else small watch batteries inside will run out before your next stargazing session,
12. On your mobile phone download SynScan. Now go to the Wifi options on your phone and connect to the xxxxx – Bath Astronomers wifi network. Ignore any messages about no internet connection.



13. Open SynScan and click Connect at the top of the app. This should be successful and now you can control the telescope from your phone using the 8 arrow keys in the app. The telescope slews at speed 5 by default. You can use the < and > buttons in the app to change this,
14. Remove the front lens cap of the telescope. You may now decide to use the arrow keys to point the telescope at a distant object or star and use the ridged knob at the rear of the telescope to focus it sharply on the object. If it is dark enough you could also ensure the red dot finder is aligned with the optical tube now i.e., both are pointing at the same thing. If you do move the telescope, return it to point north and level at the end,
15. In the SynScan app, select **Alignment**, followed by North Level alignment. You can use 1 or 2 star align but you'll need to move the telescope to the first object so best let the telescope do the work,



16. You'll be offered a selection of objects currently visible in the sky. Select one and isn't hidden by buildings or trees near you,
17. Select a second object,
18. The telescope will move automatically to the first object you selected. It should be pointing in the right area of the sky,
19. Use the arrow keys in the app to point the telescope more accurately towards that first object until it appears in the eyepiece of the telescope. You can do this by looking through the red dot finder first as a rough guide to get it into the eyepiece view and then through the eyepiece to get the object right in the middle,
20. You might not find the red dot finder is pointing exactly at you object so use the up/down or left/right adjusters on the red dot finder to align the dot with your first object better, so it'll be more useful finding your second object,
21. Accept the align on the first object and the telescope will move to the second object. Use the apps arrow keys to point at the object in the red dot finder and then in the eyepiece,
22. Accept the second alignment. The telescope and app are now aligned with the sky.

Select Star in the SynScan app to be offered a list of interesting planets and stars to look at.

Select Deep Sky to look for nebula, clusters, and galaxies.