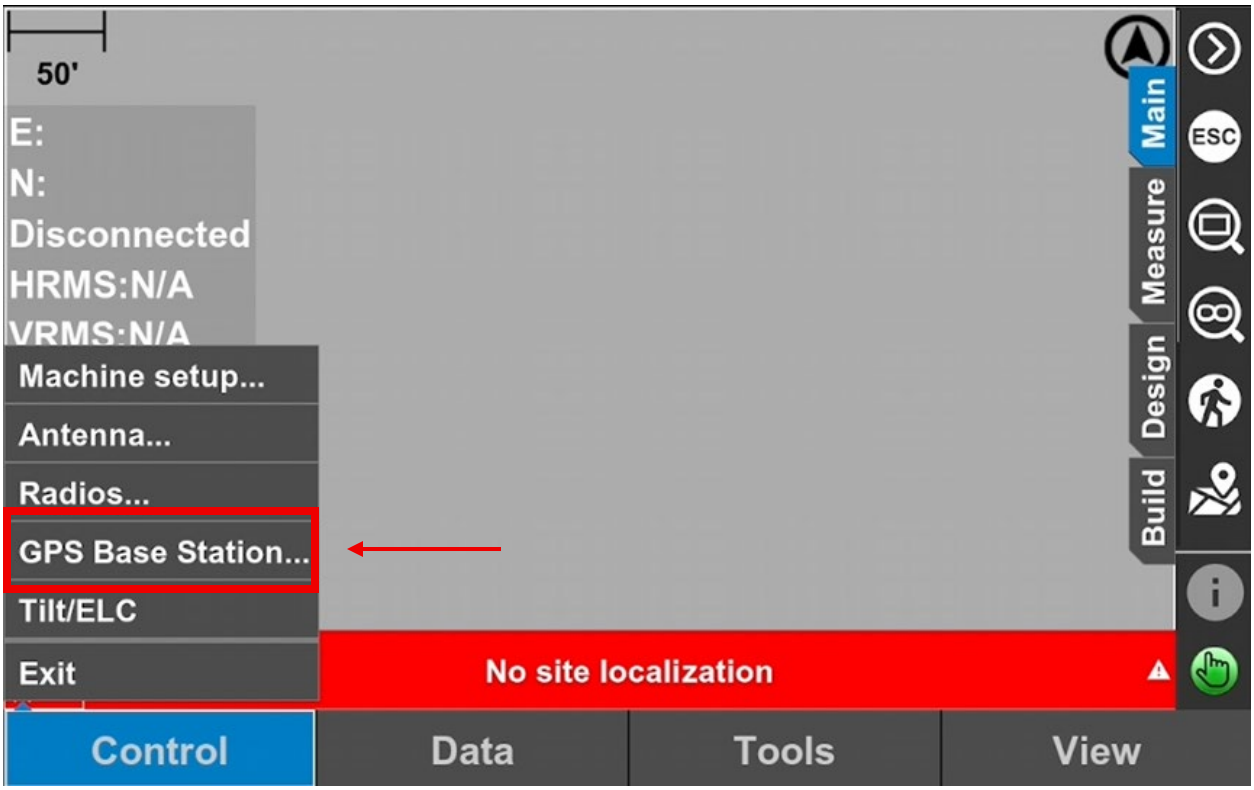
How to do a 1 Point Localization on Topcon Pocket 3D V15

1. Set up your equipment.

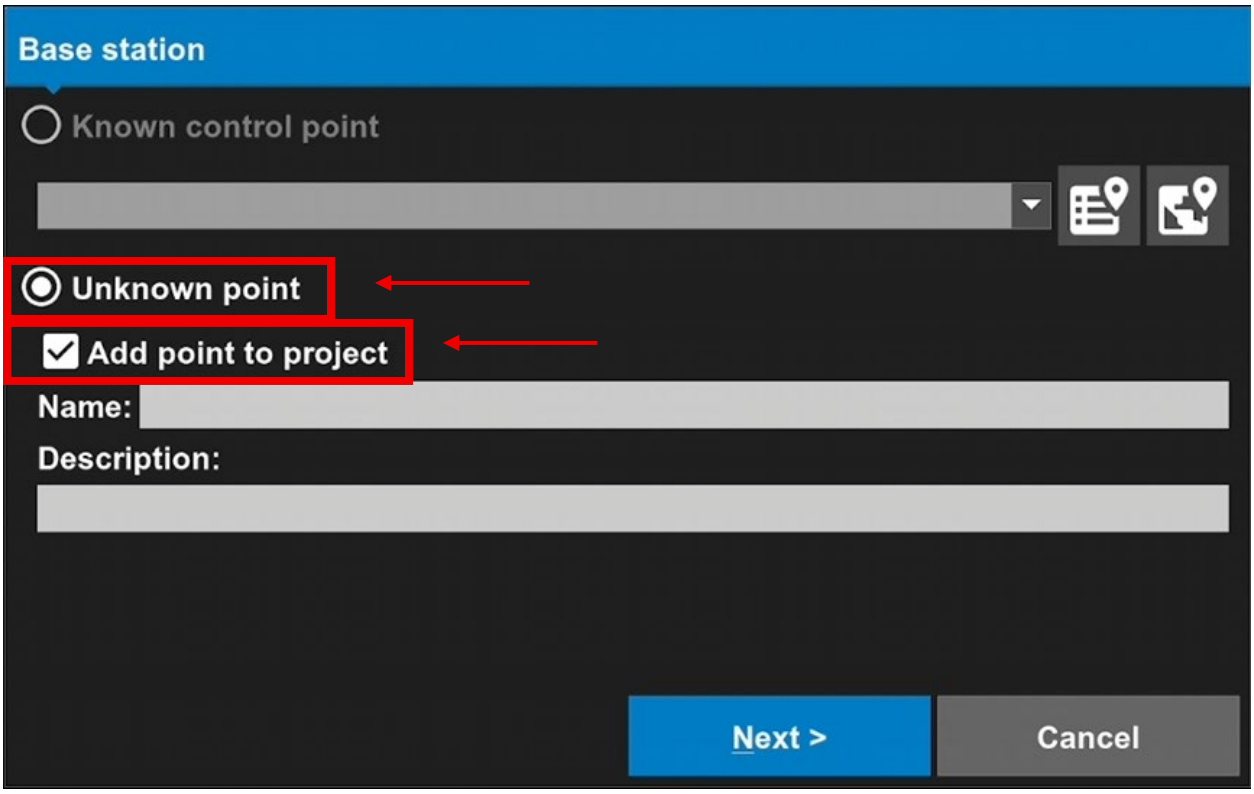
2. Get a stake or rebar and pin it on the ground.

3. Make sure you are on an empty job.

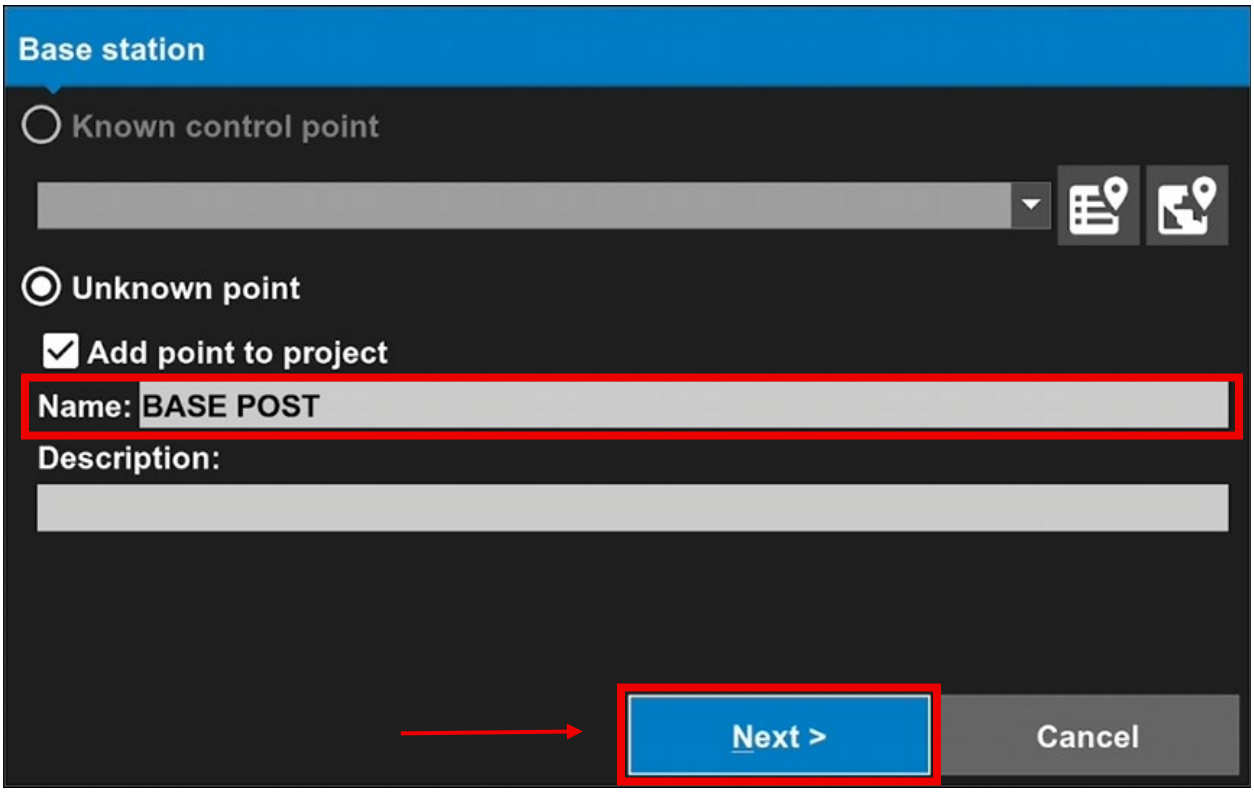
4. Click **“Control”**, then click **“GPS Base Station…”**



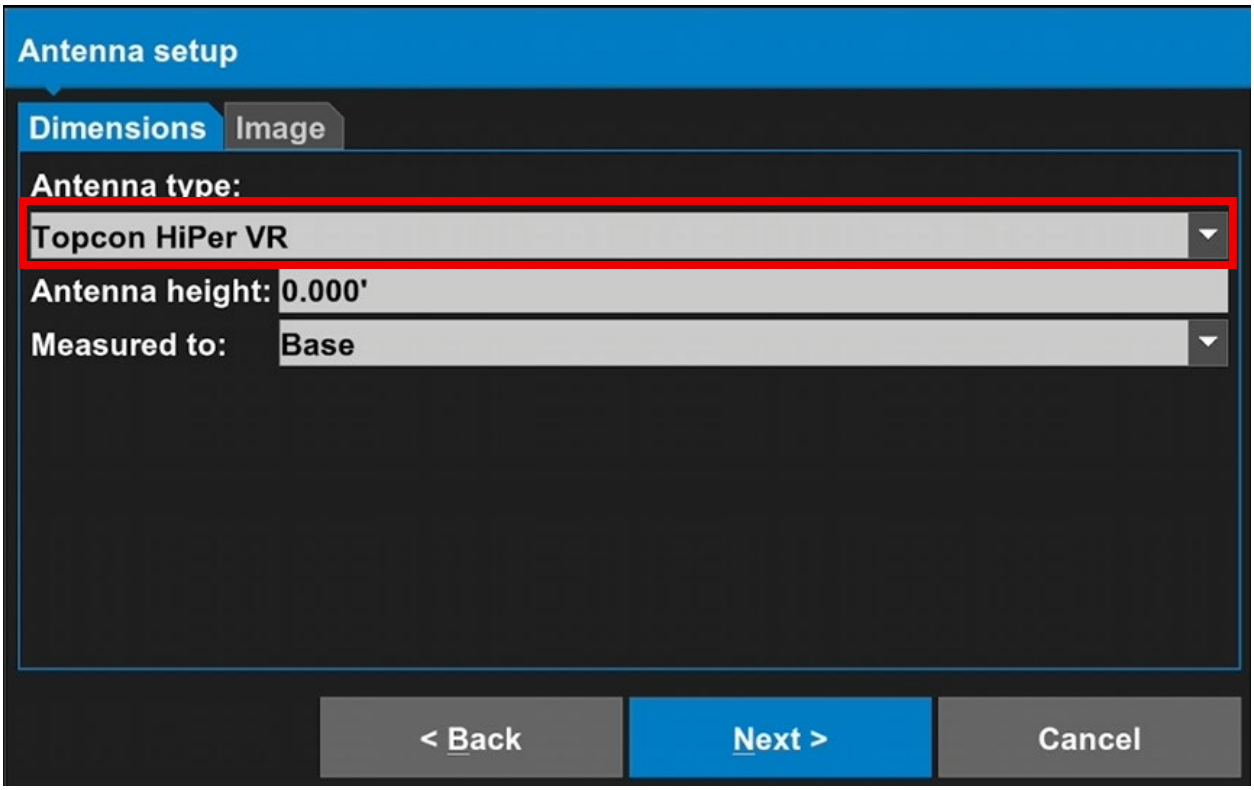
5. Press **“Unknown point”** and **“Add point to project”** to add the base post to the project.



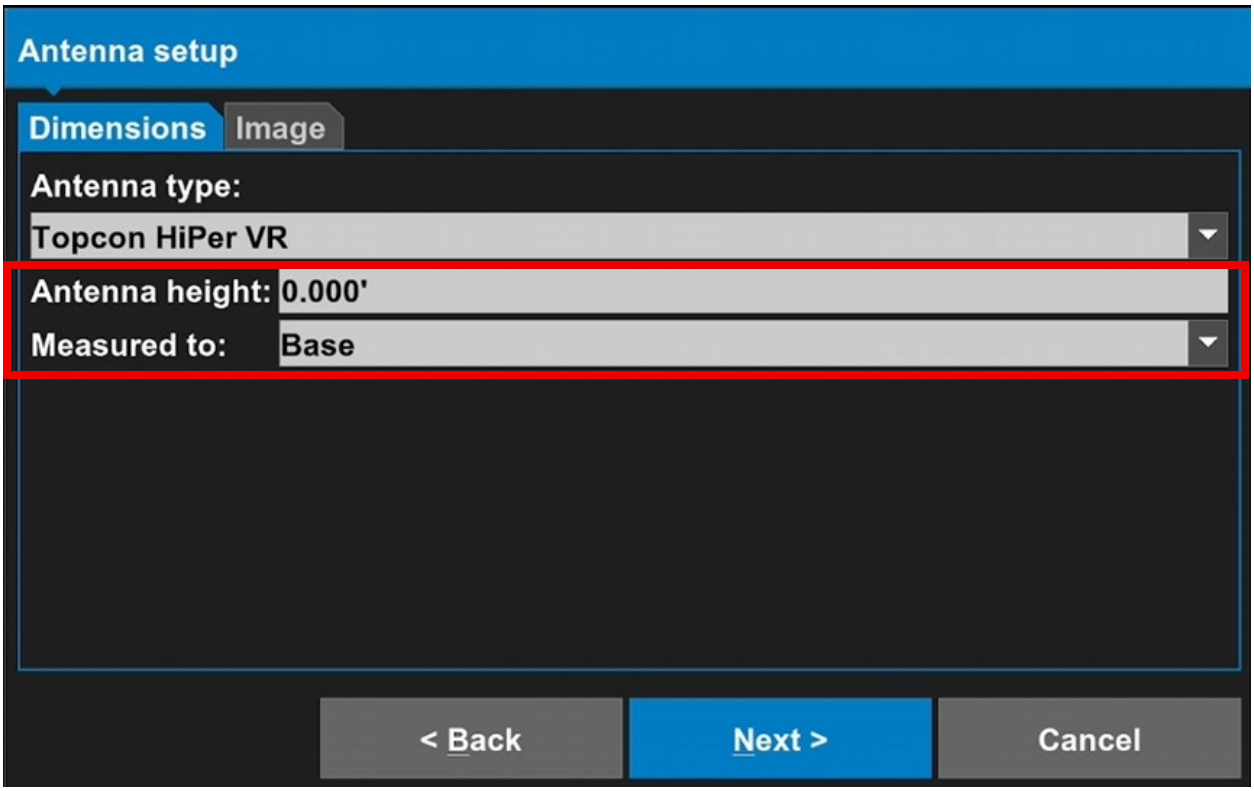
6. Rename your point and click **“Next >”**



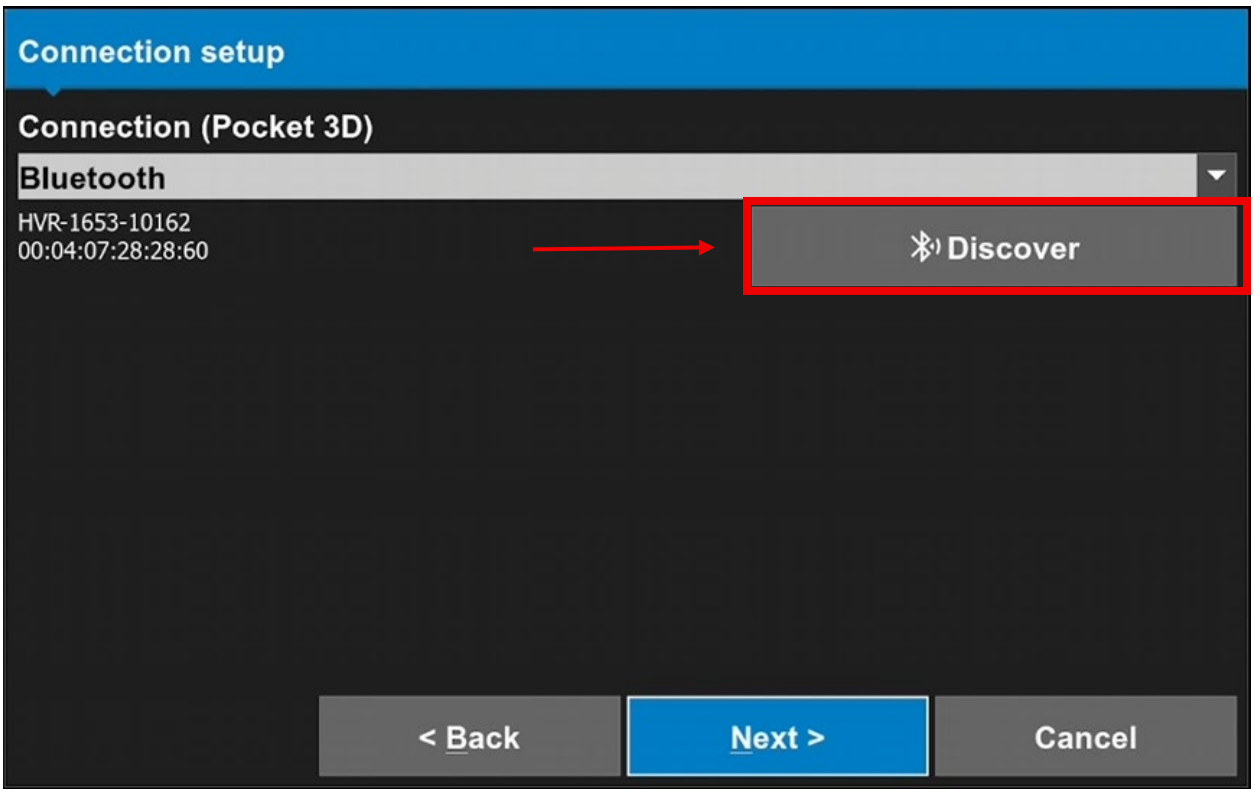
7. Change the antenna type, depending on the equipment you are using.



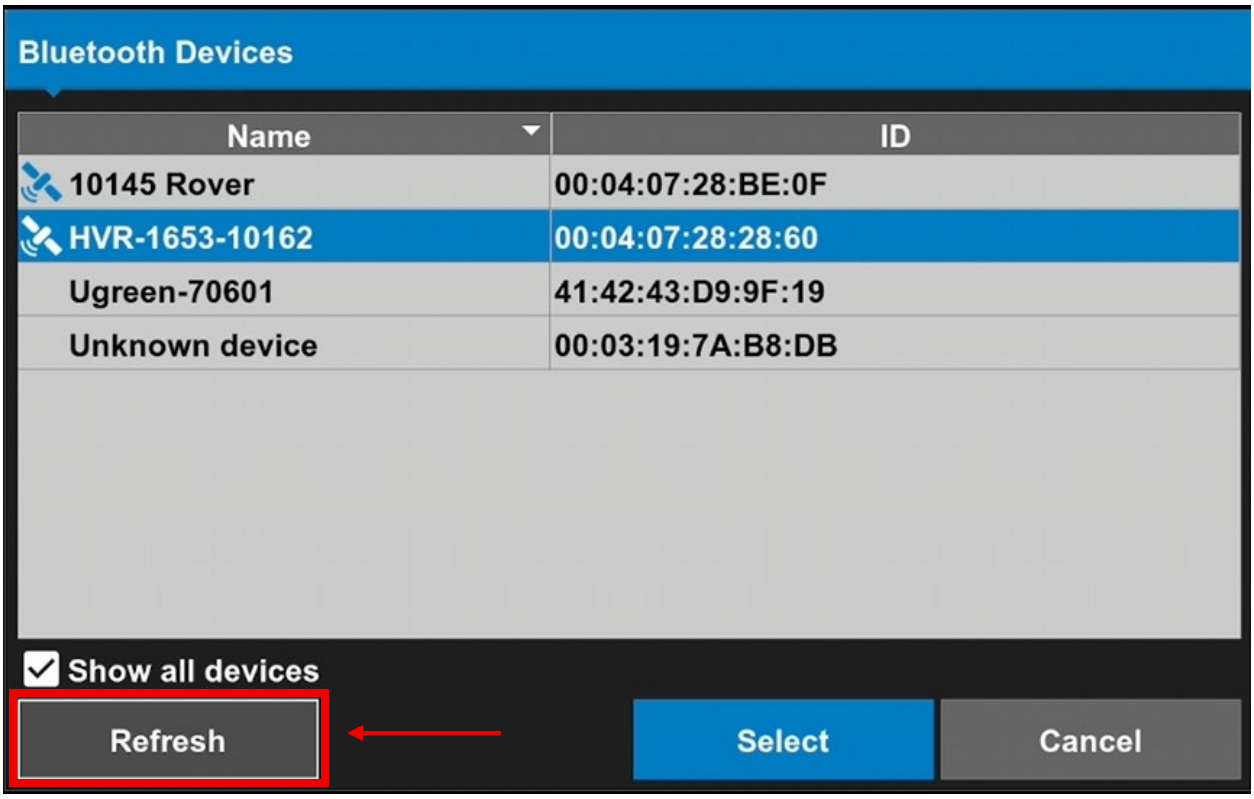
8. Set the **“Antenna Height”** and **“Measured to:”** depending on the project. Then click **“Next >”.**



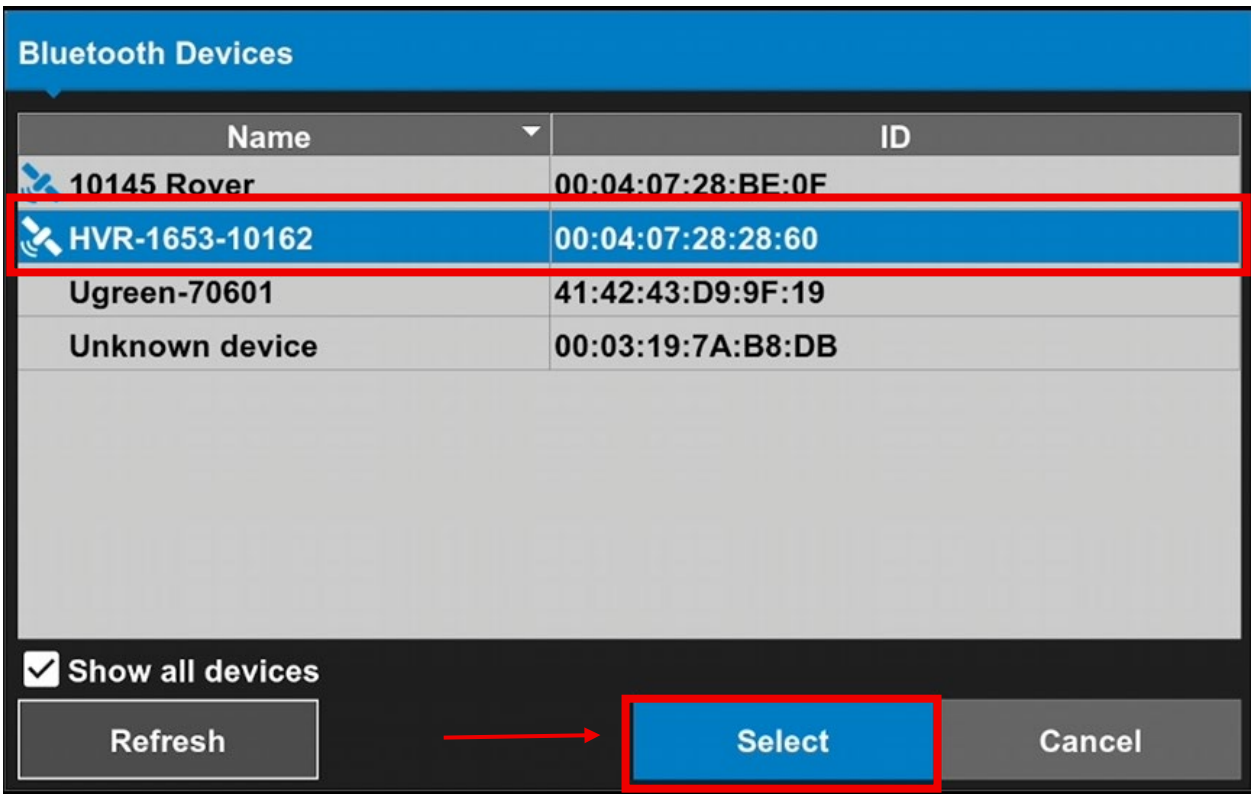
9. Click **“Discover”** to connect the device to Bluetooth.



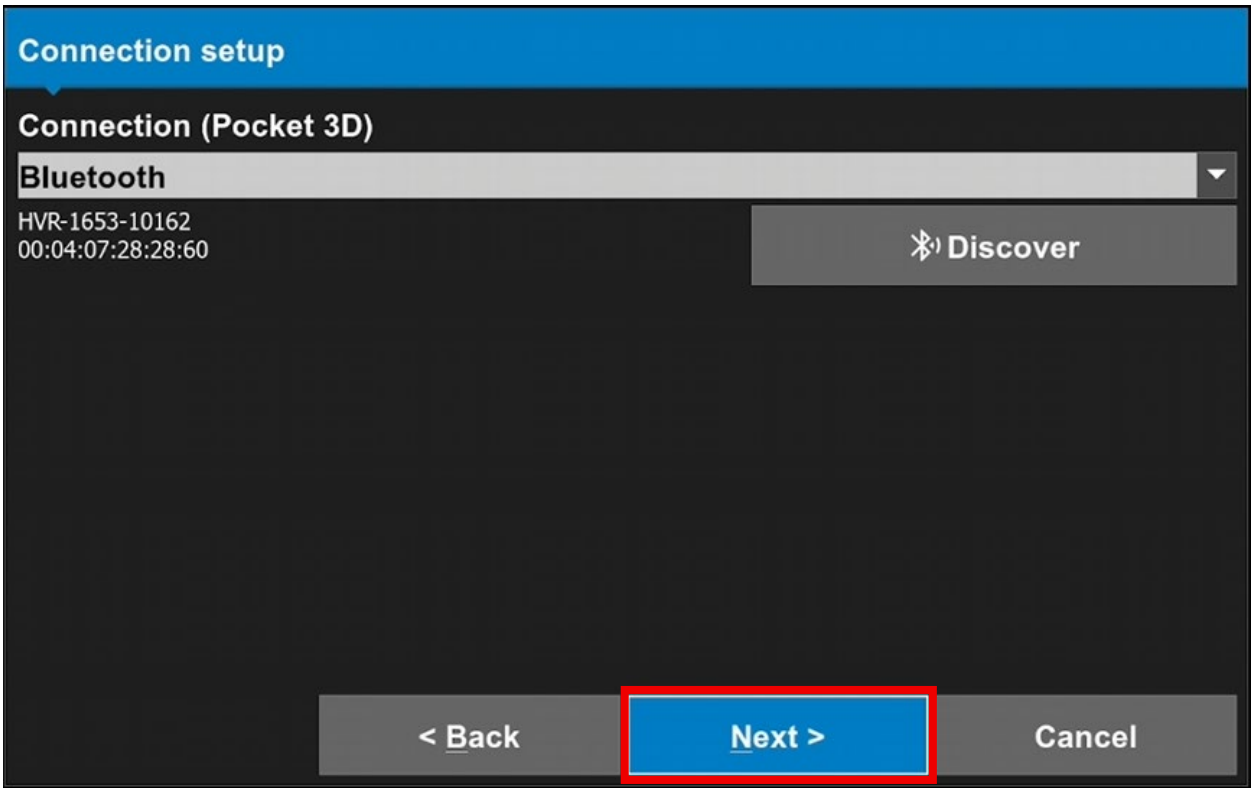
10. Click **“Refresh”** if you do not see your Base’s Bluetooth.



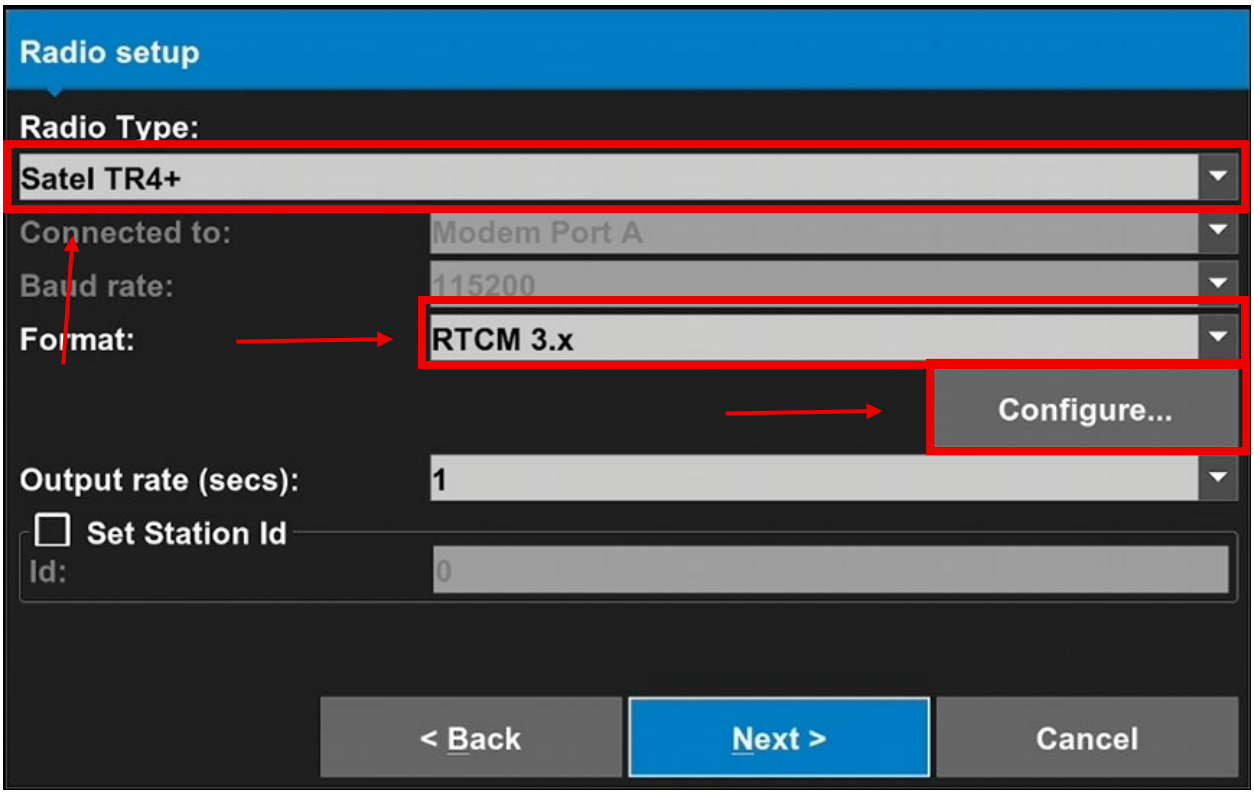
11. Highlight your base then click **“Select”**.



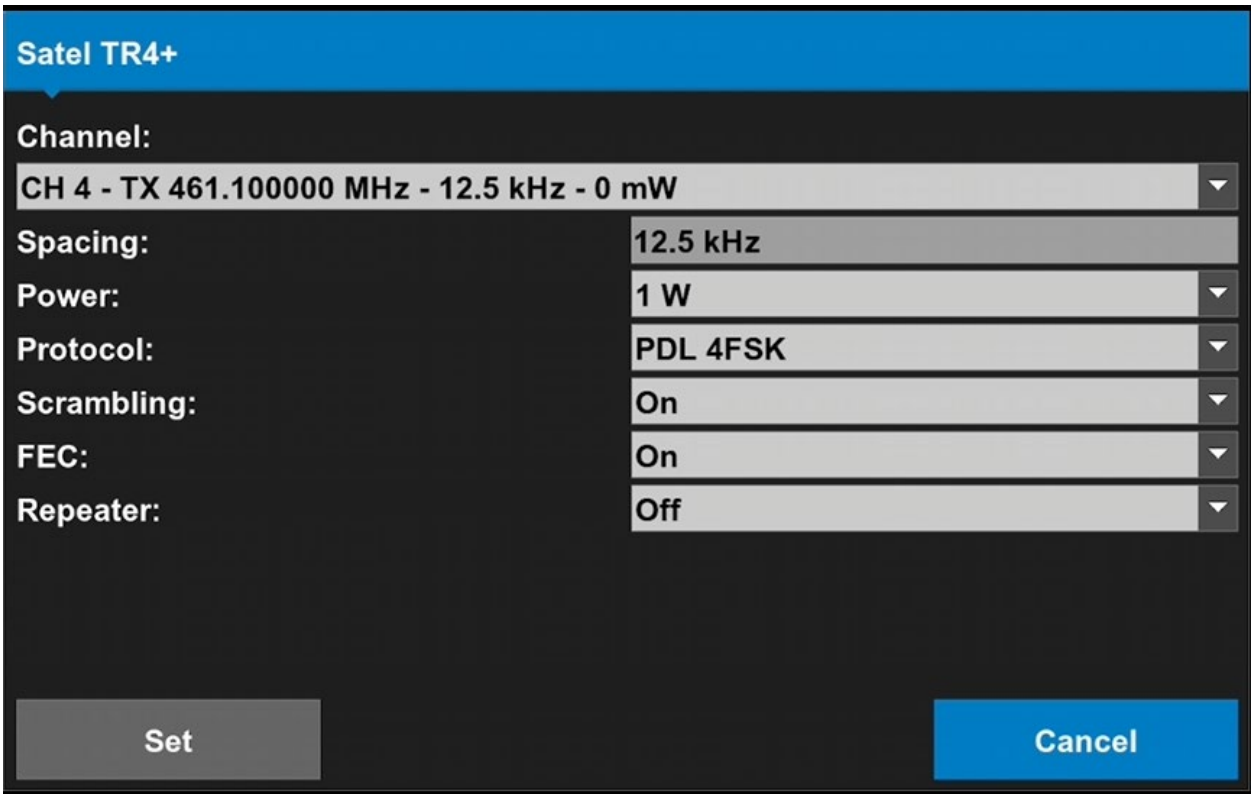
12. Click **“Next”**.



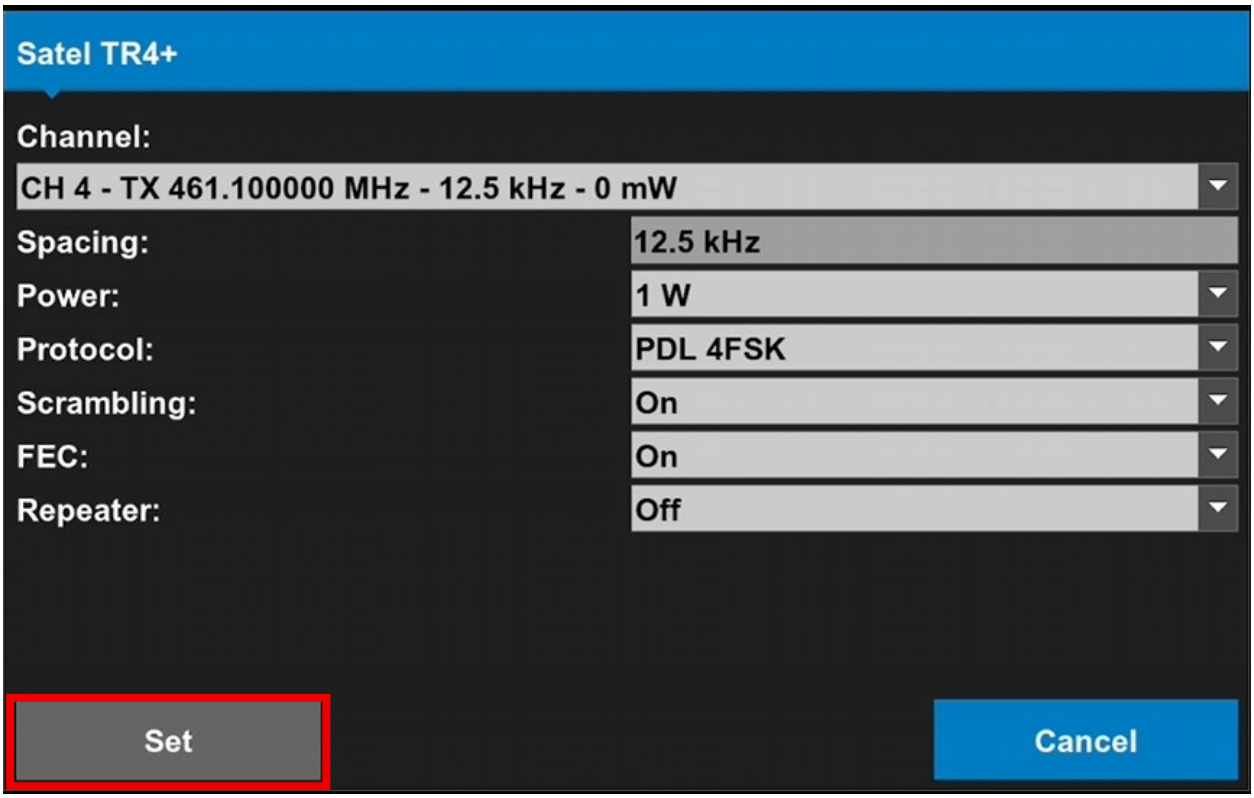
13. Set the Radio type to **“Satel TR4+”** and format to **“RTCM 3.x”**. Then click **“Configure”**.



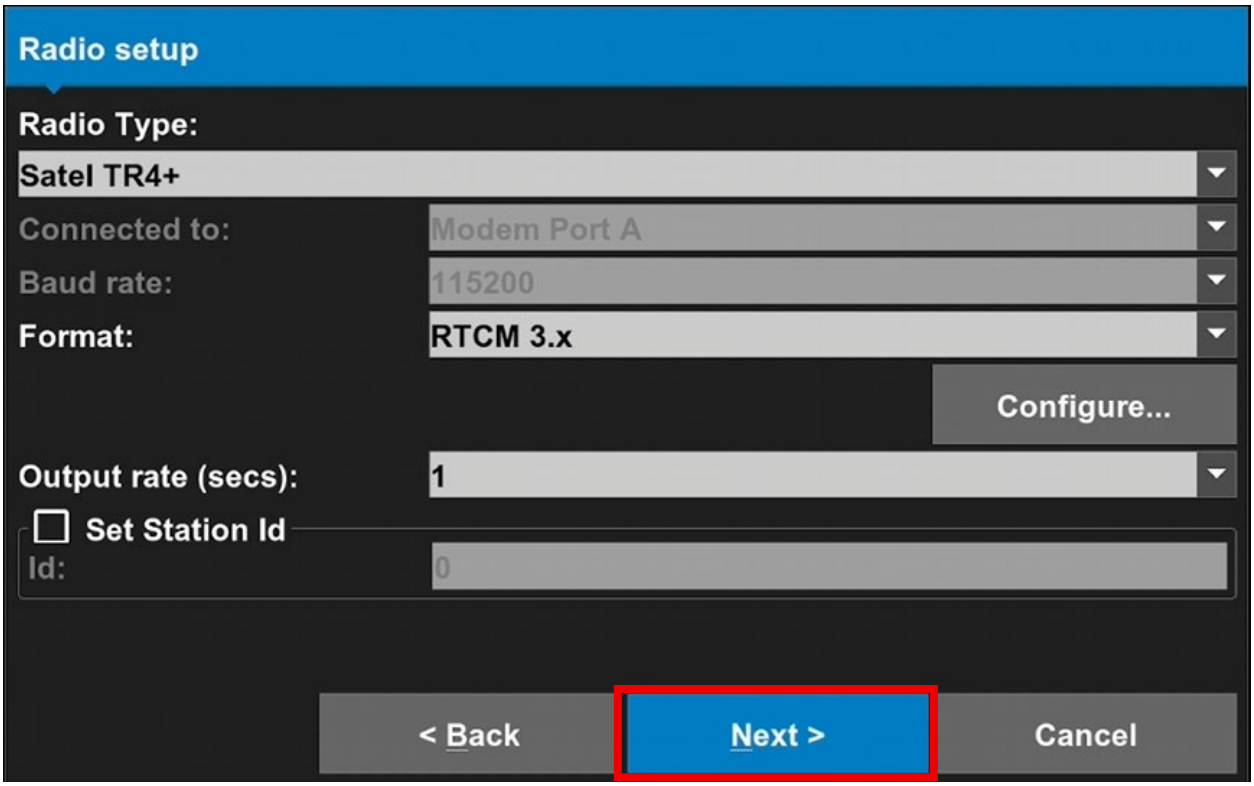
14. We recommend these radio settings but you can change them depending on the project.



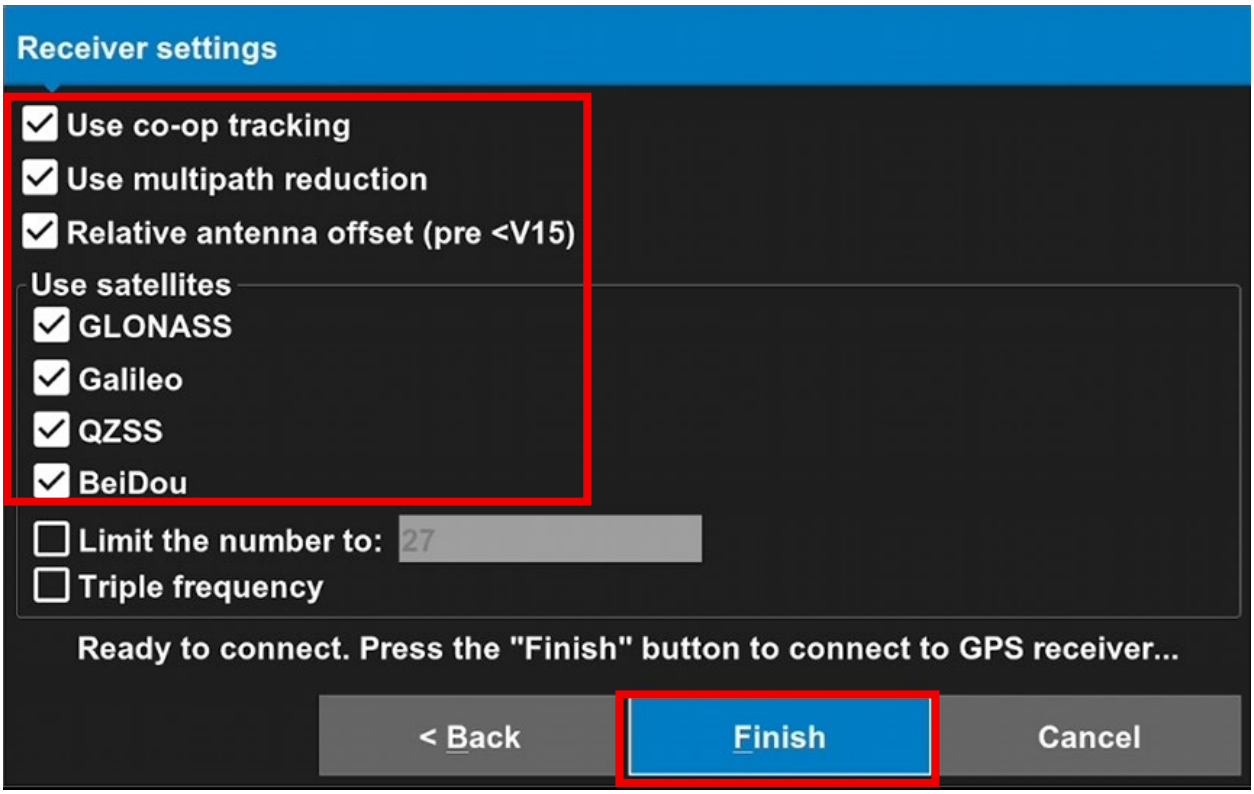
15. Once done, click **“Set”**



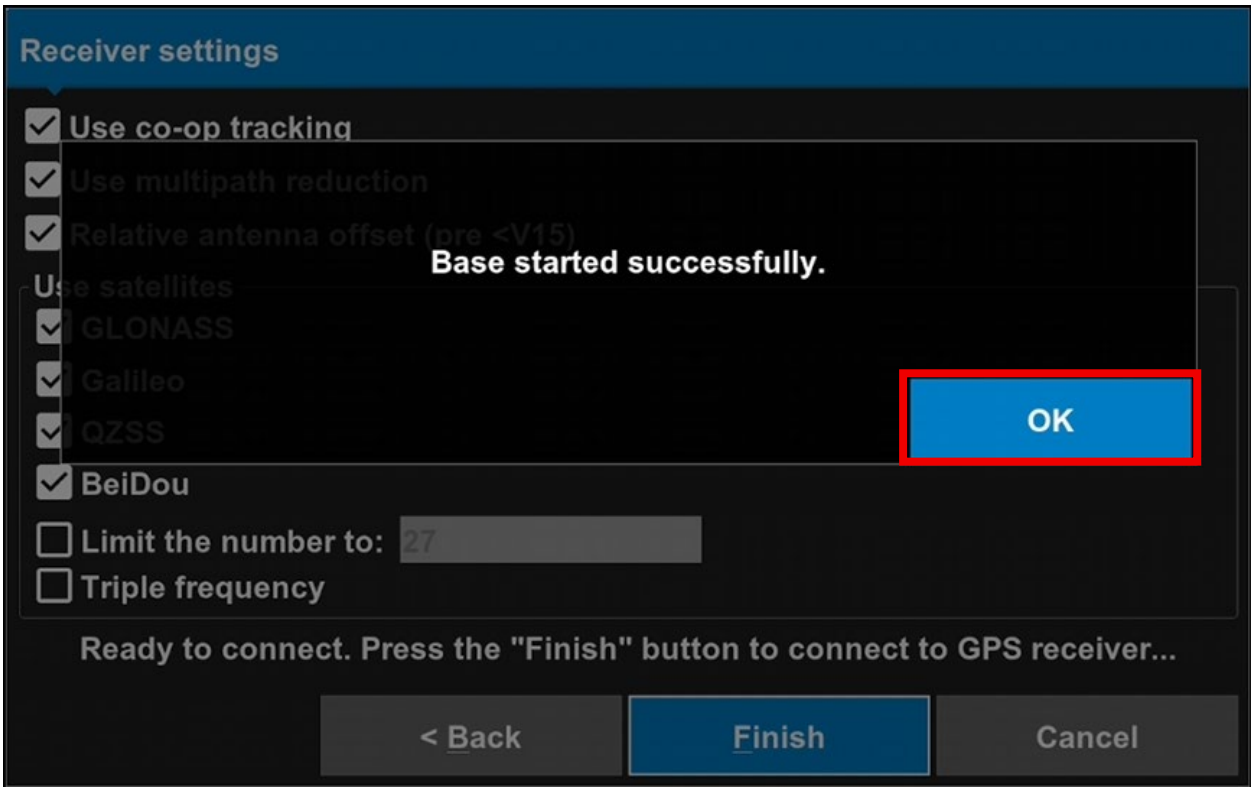
16. Click **“Next >”**



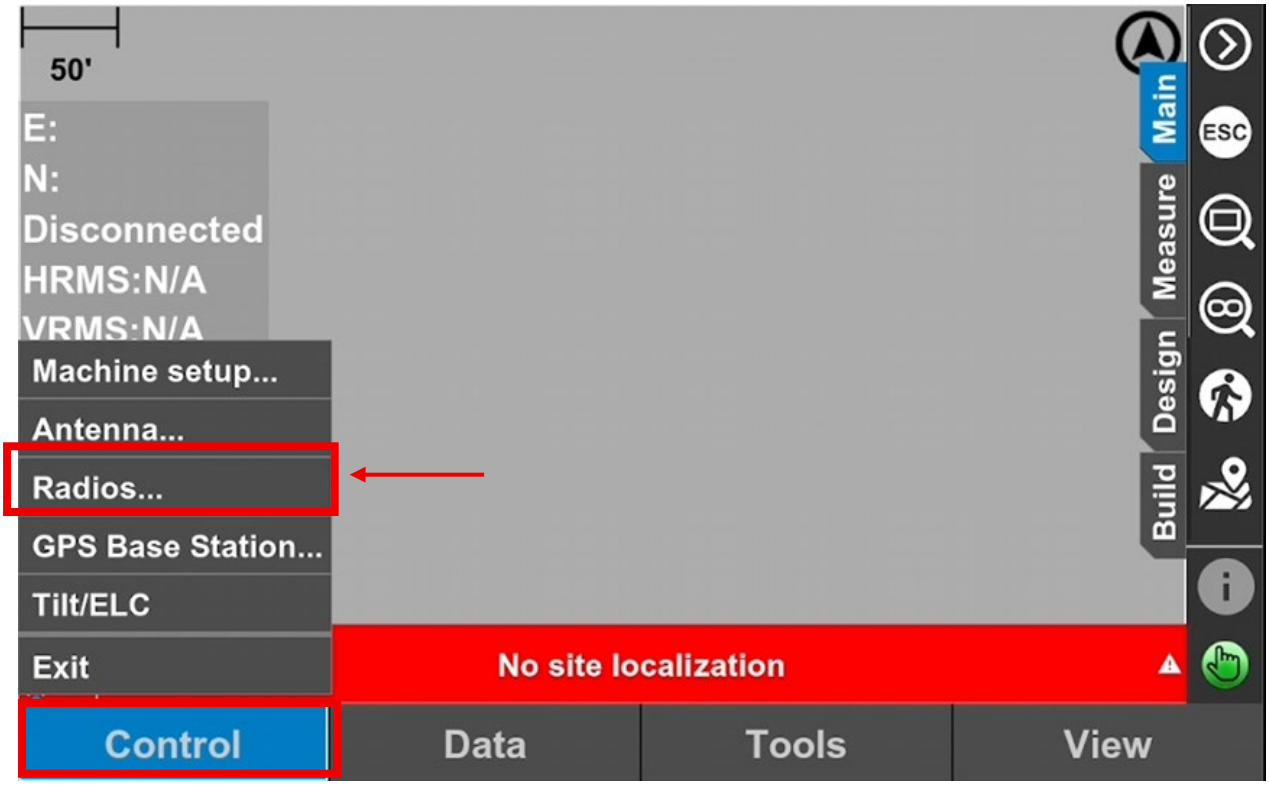
17. Make sure these boxes are checked, then click **“Finish”**.



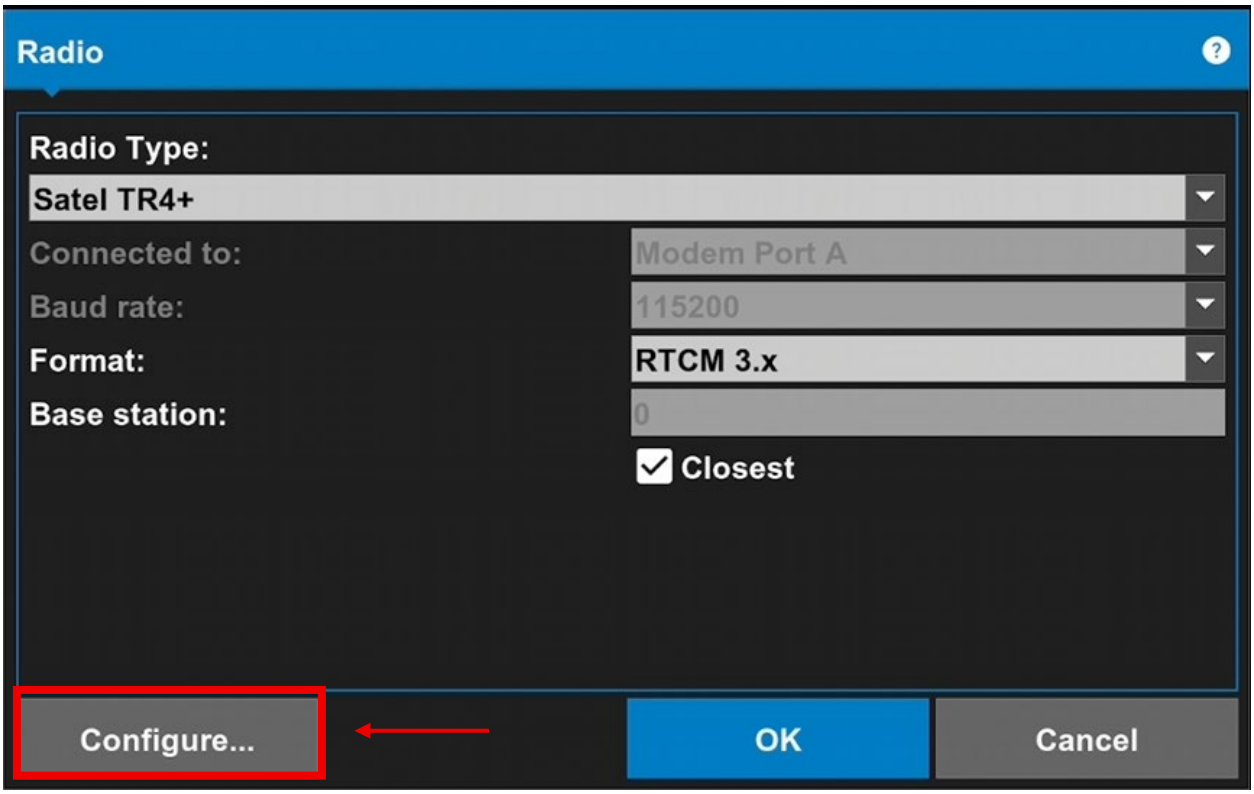
18. Wait for it to load and click **“OK”**.



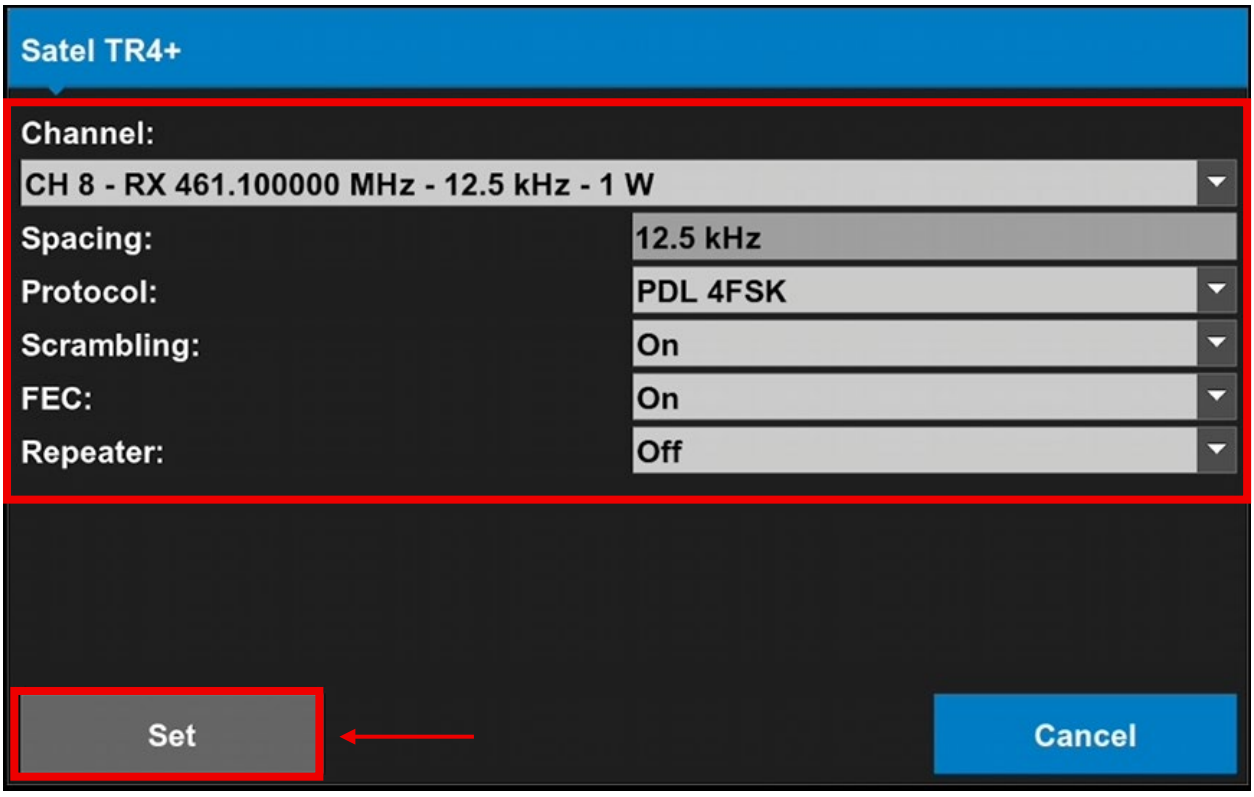
19. Now, click **“Control”** then **“Radios”**



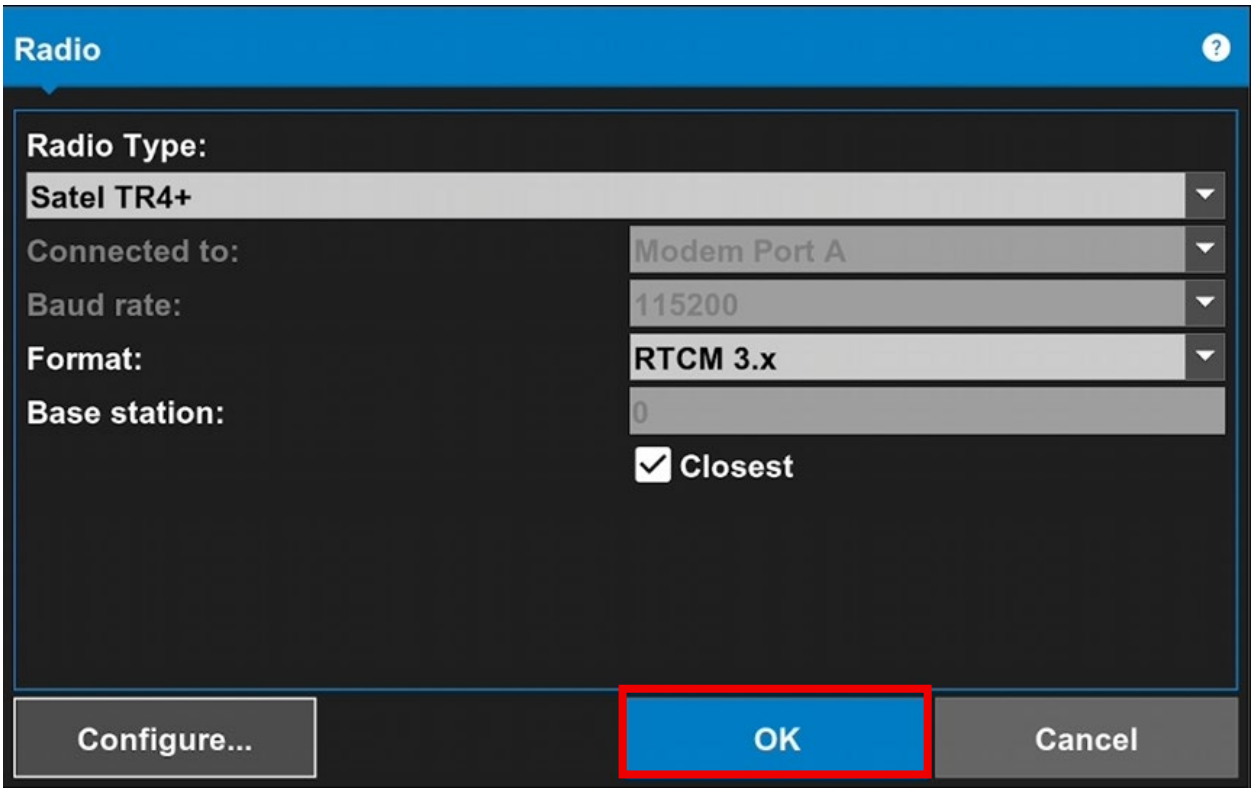
20. Click **“Configure…”.** This will automatically connect the device to the Rover.



21. Make sure all settings match the Base settings, then hit **“Set”**

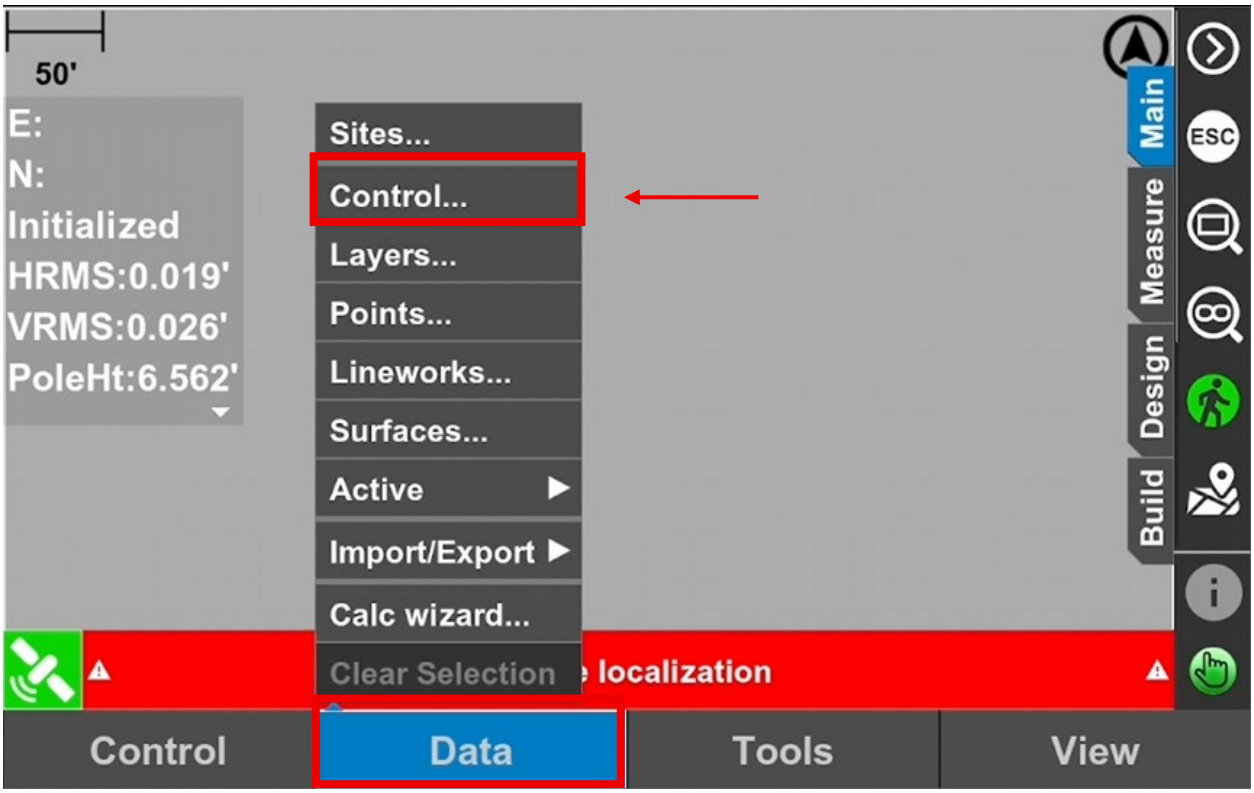


22. Click **“OK”**

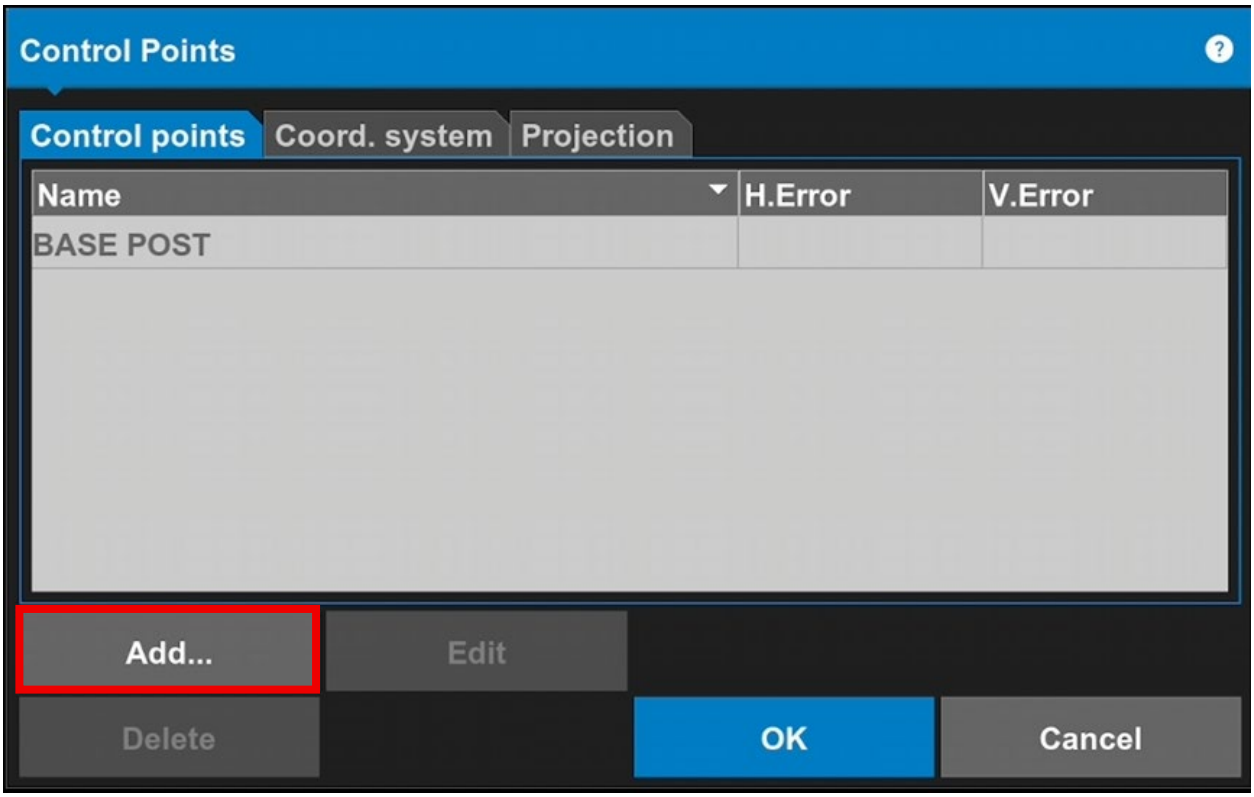


23. Once a green satellite appears on the lower left corner, then your device is initialized.

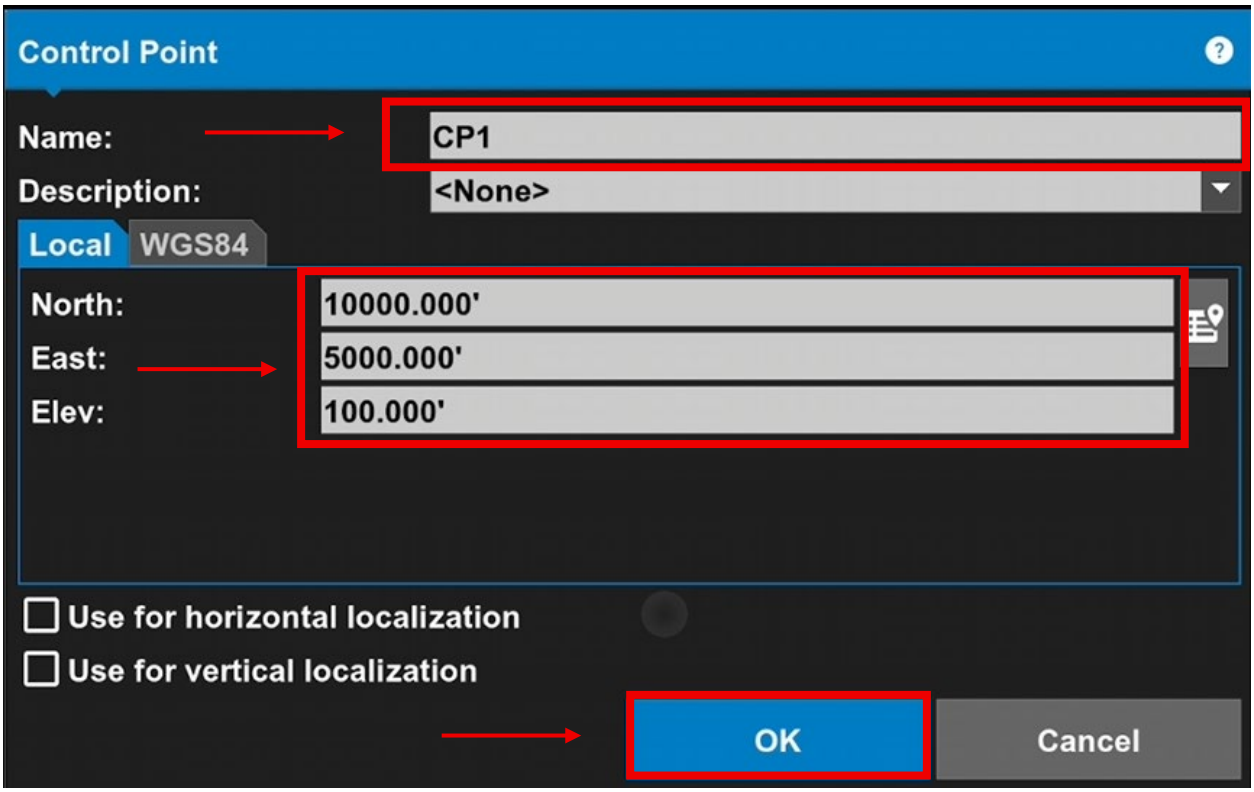
24. To create a point, Click **“Data”**, then **“Control…”**



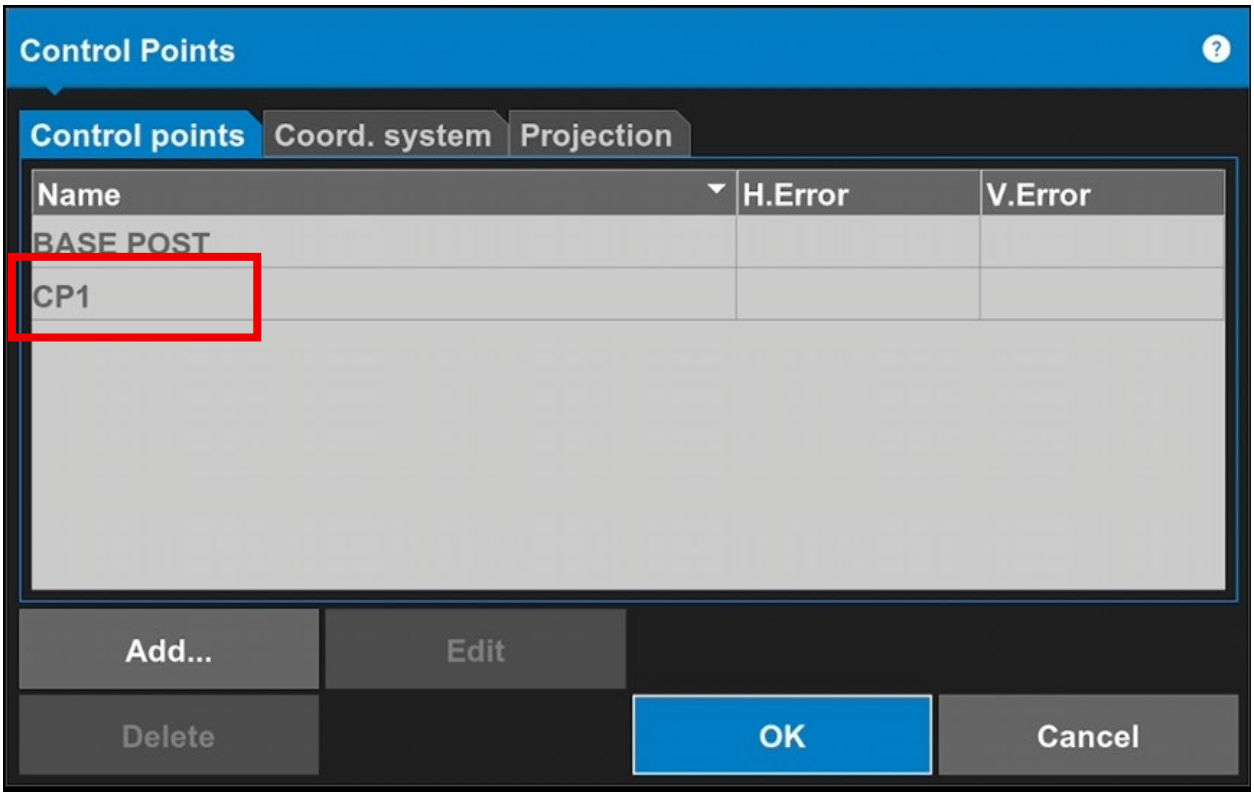
25. Click **“Add”.**



26. Name your point, then set the coordinates. Once done, hit **“OK”**



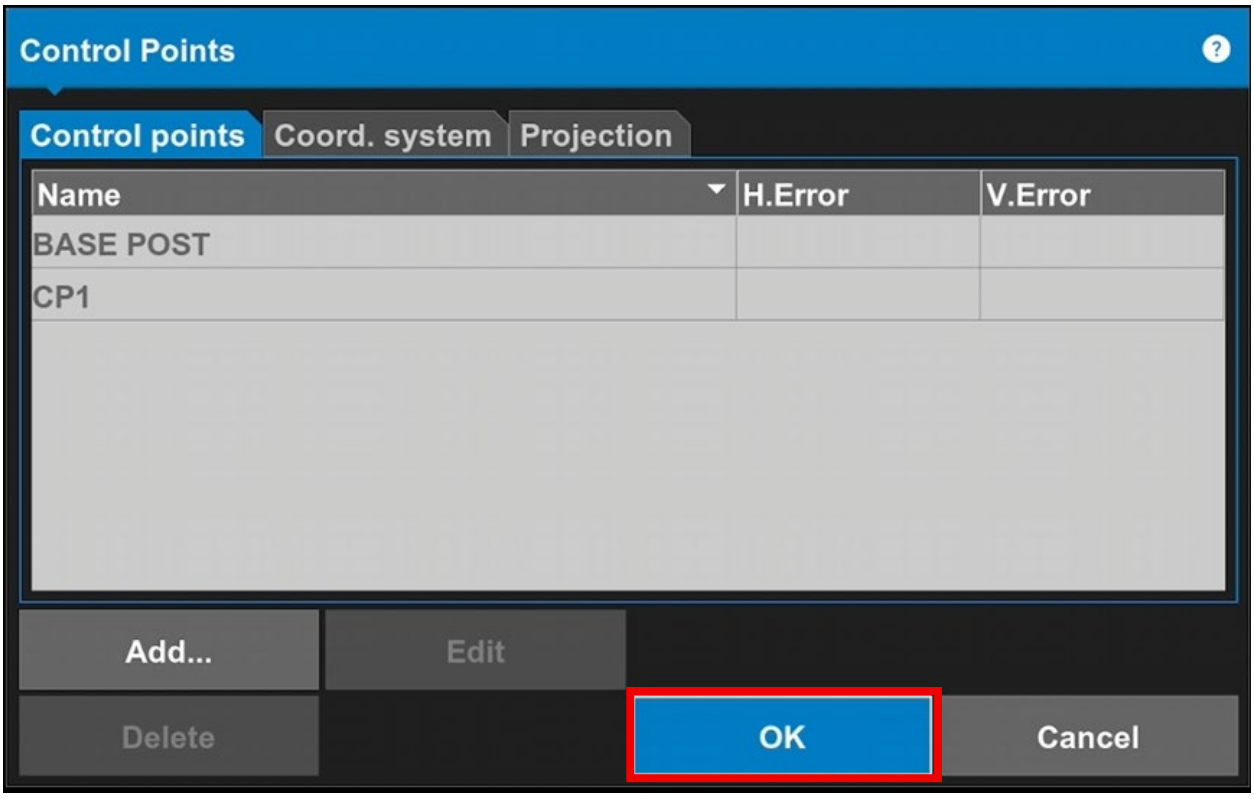
27. Your point has been added.



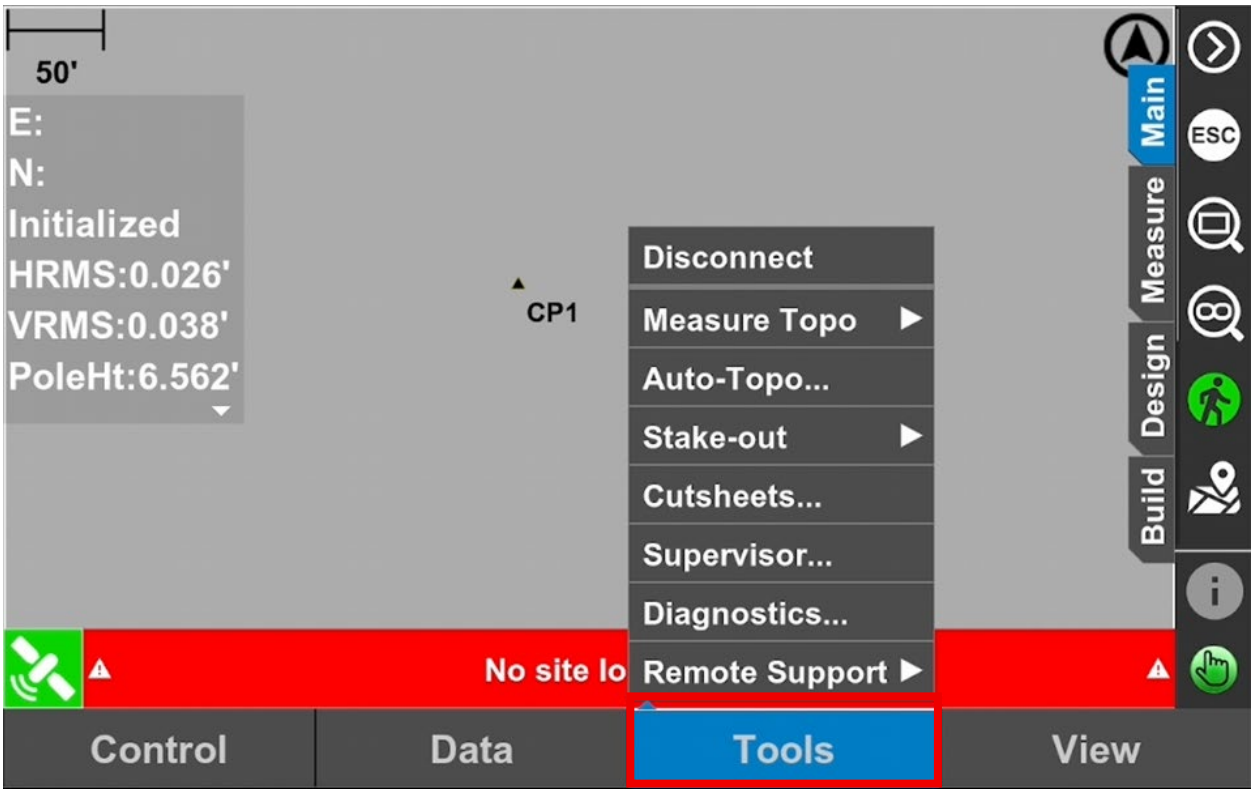
28. Place your Rover Rod on the stake you placed earlier.

29. Make sure your Rod is level.

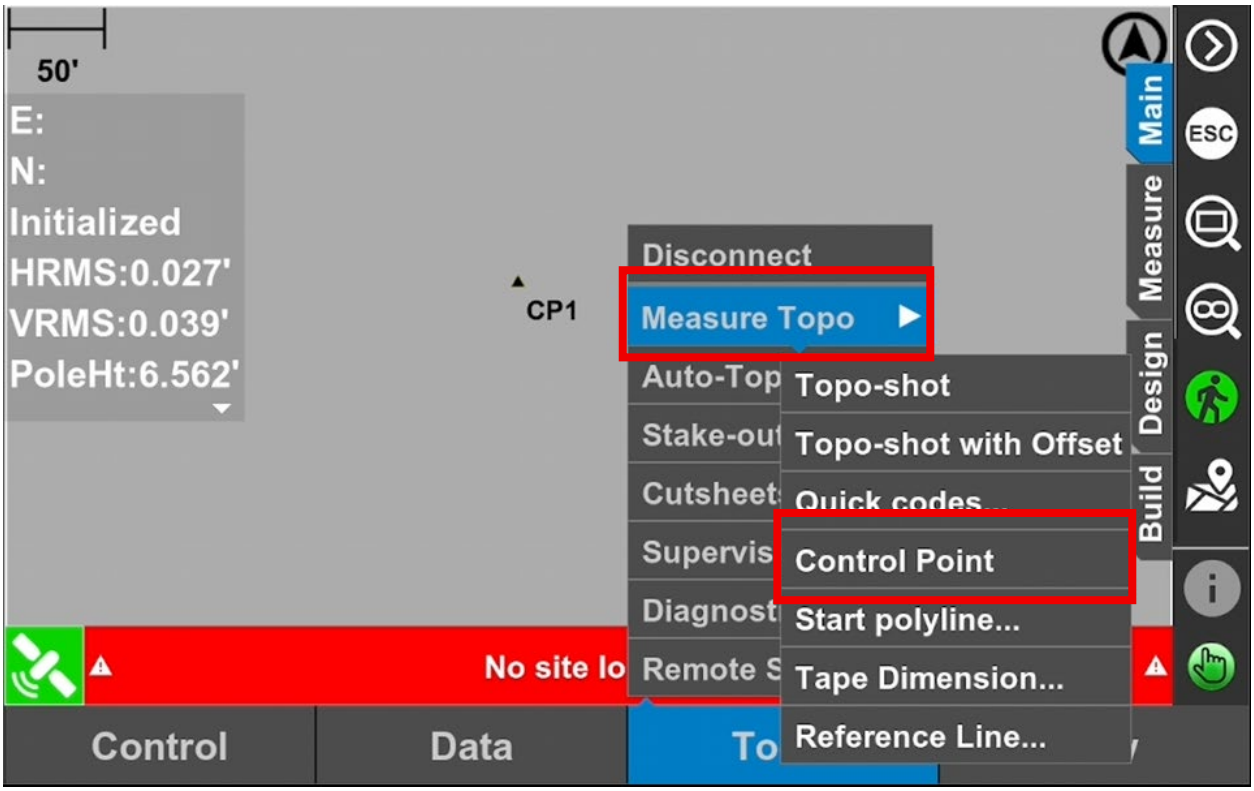
30. Tap **“OK”** on your screen.



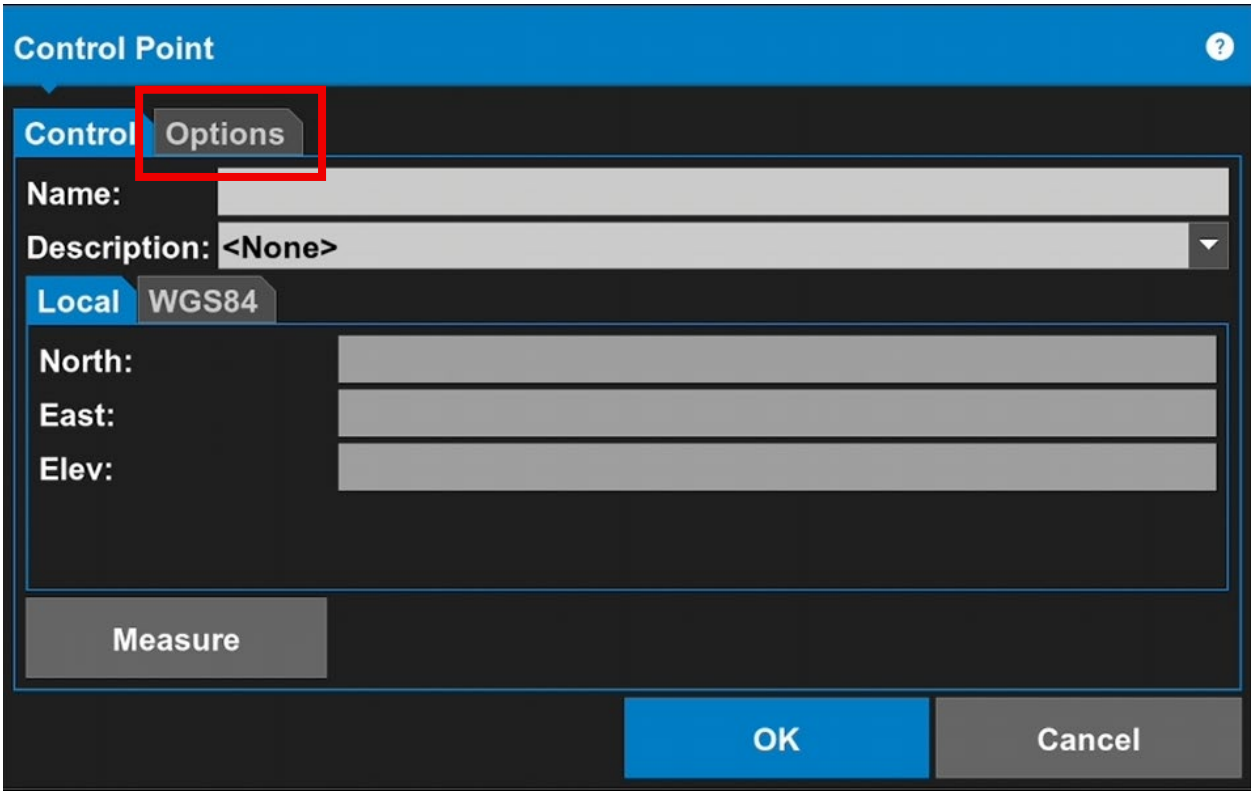
31. Before starting, make sure your measurement count is accurate, Click **“Tools”.**



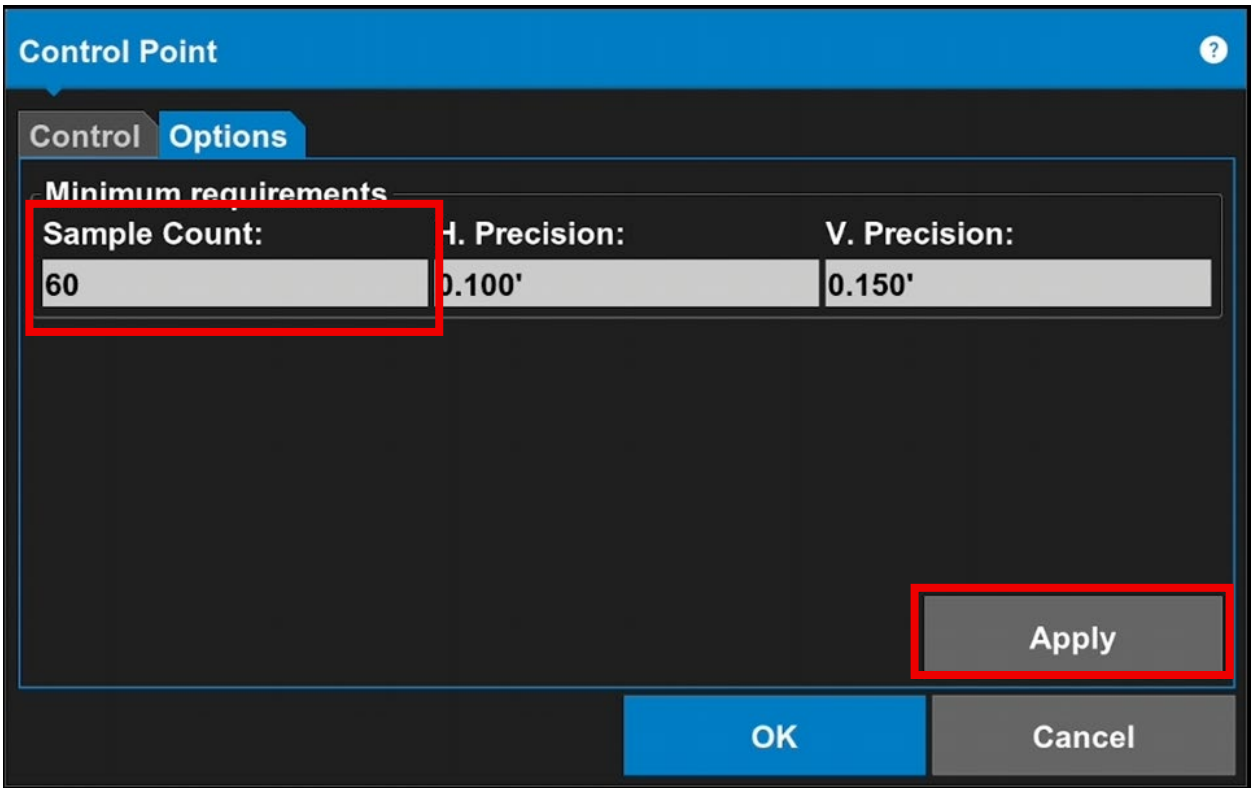
32. Click **“Measure Topo”**, then click **“Control Point”**.



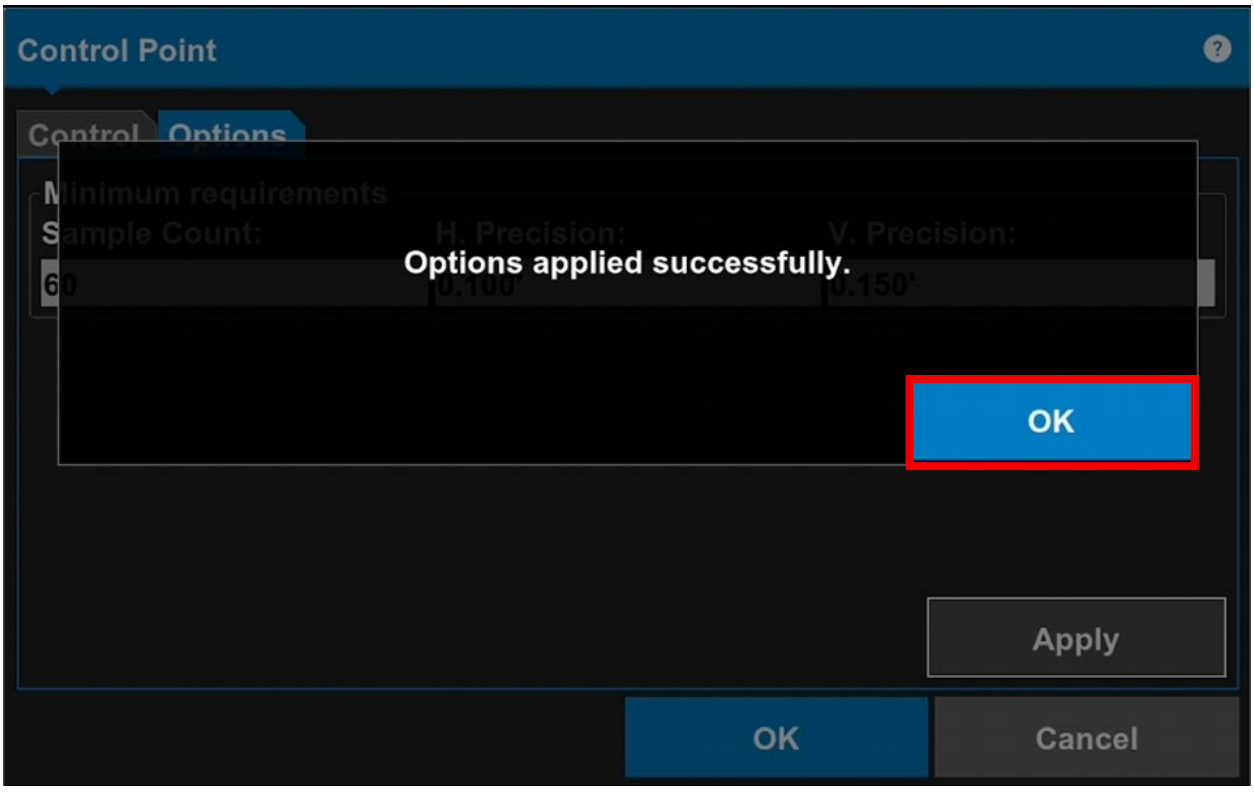
33. Click **“Options”.**



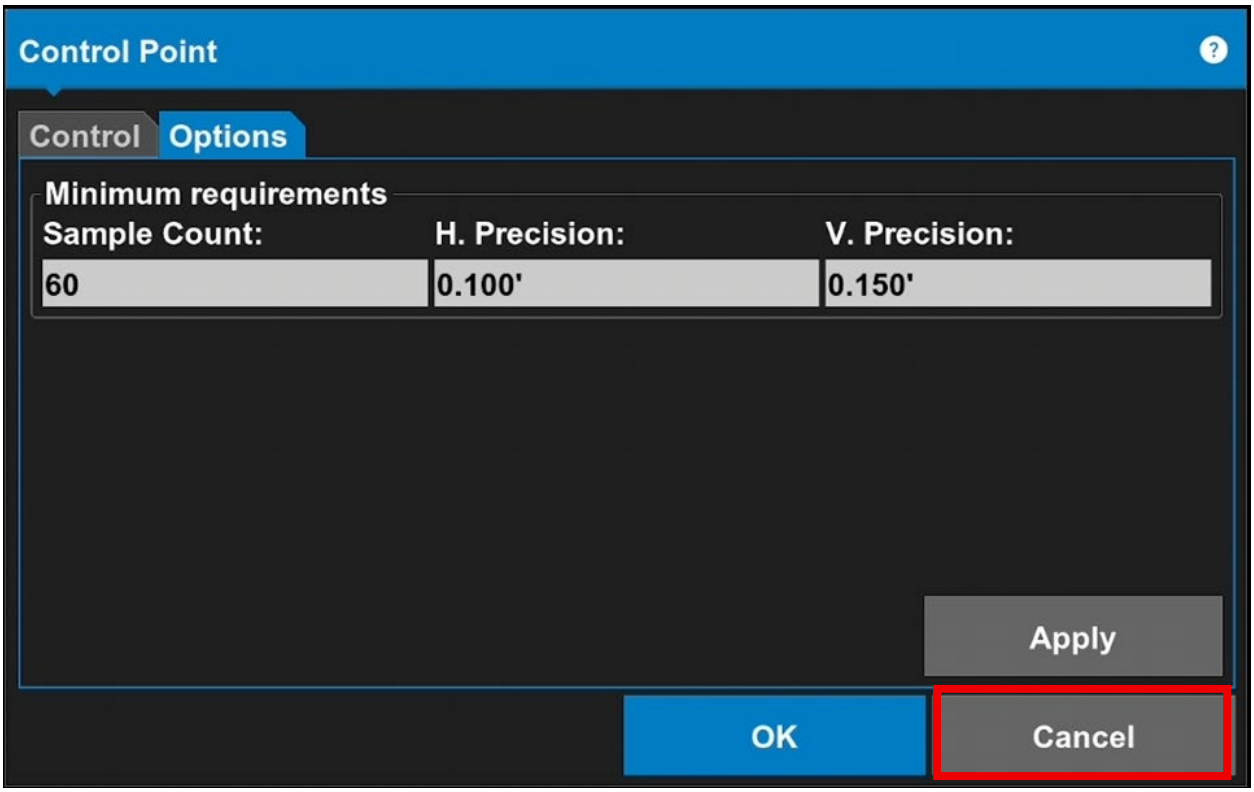
34. Set the Sample count to **“60”,** then click **“Apply”**



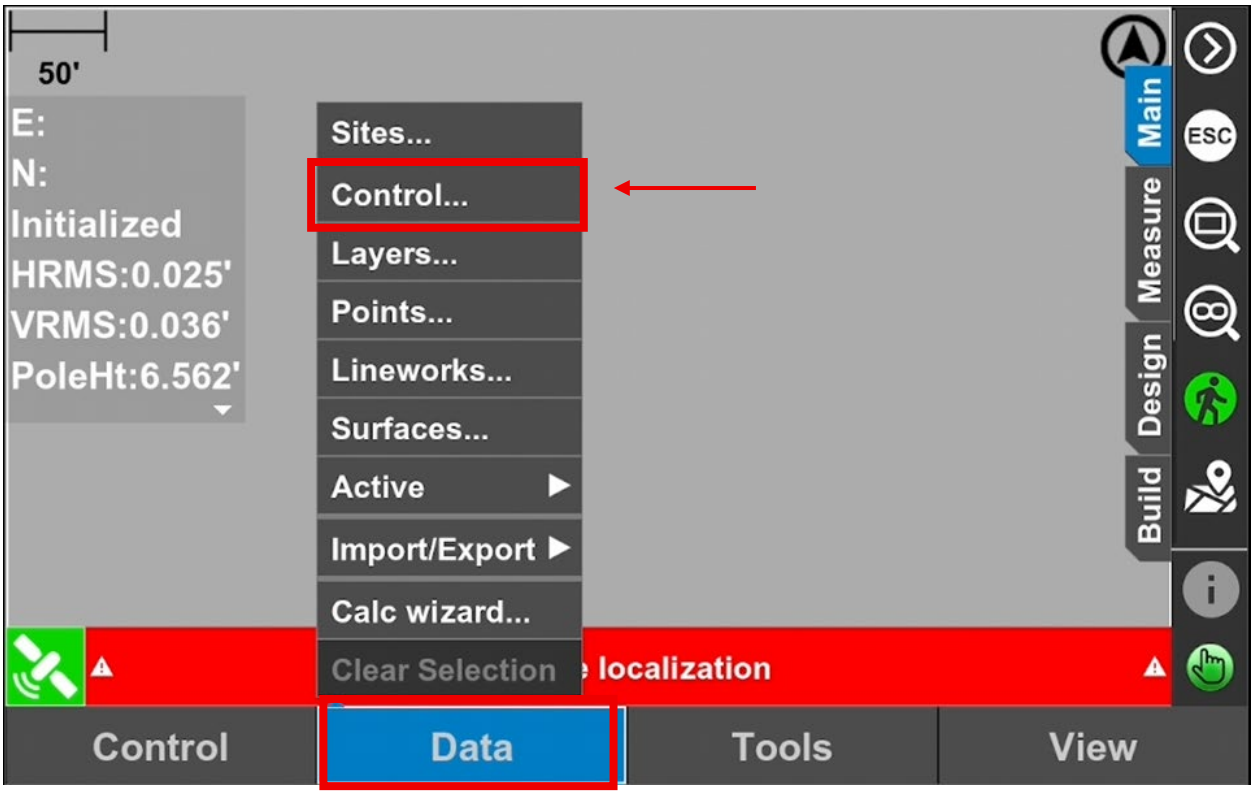
35. Click **“OK”**



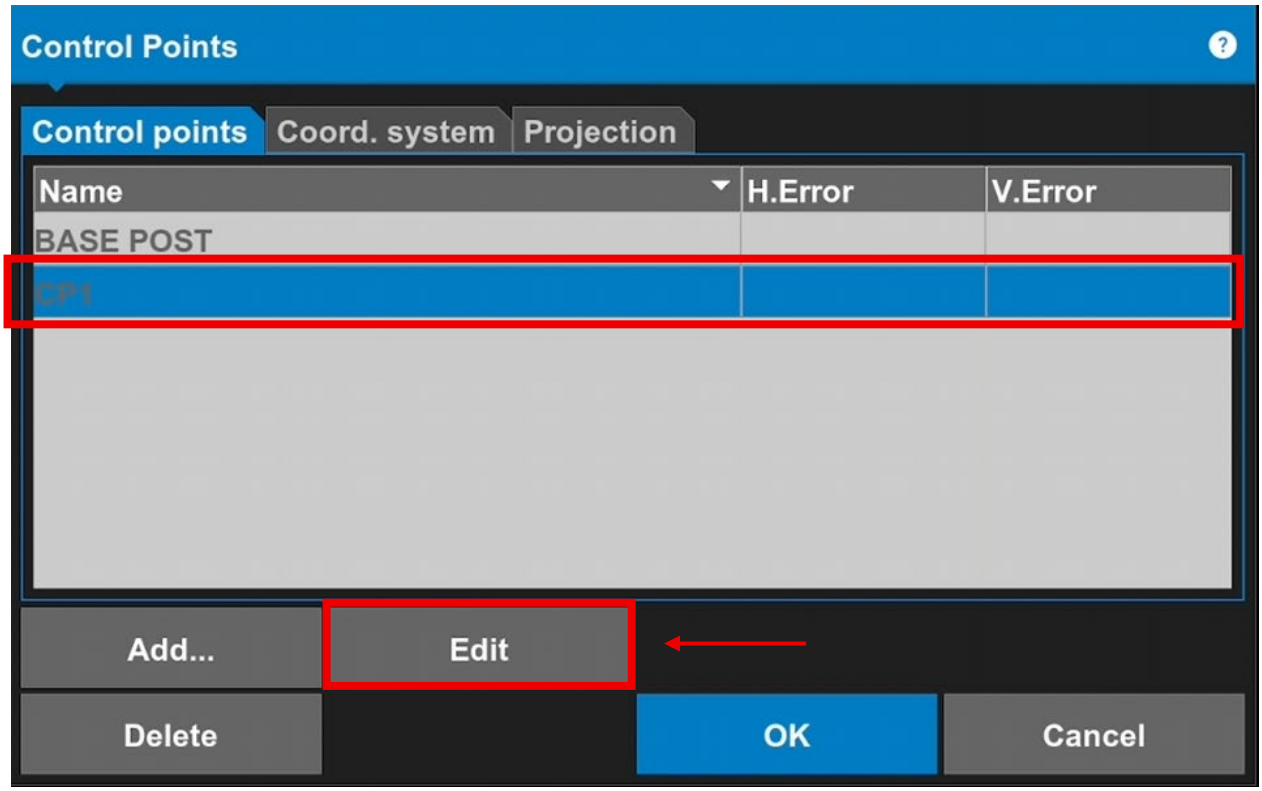
36. Click **“Cancel”**



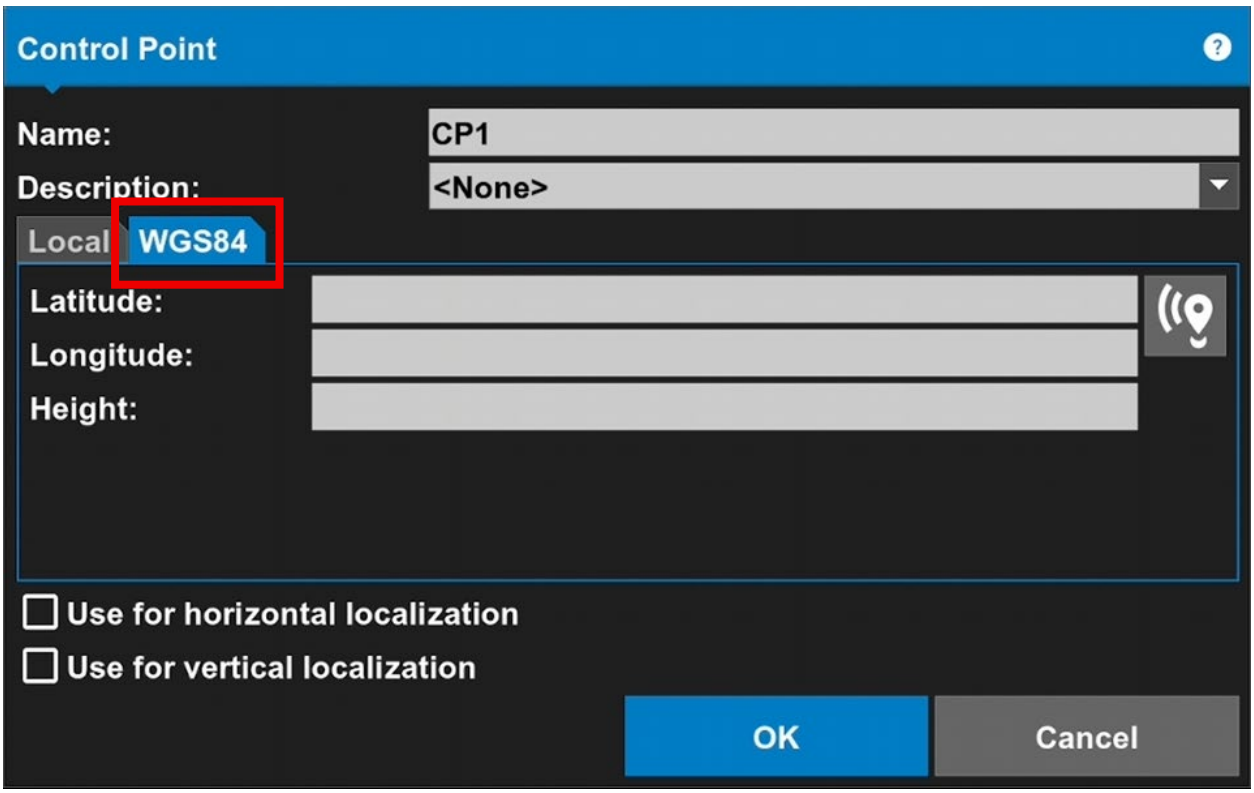
37. Go to **“Data”**, then click **“Control”**.



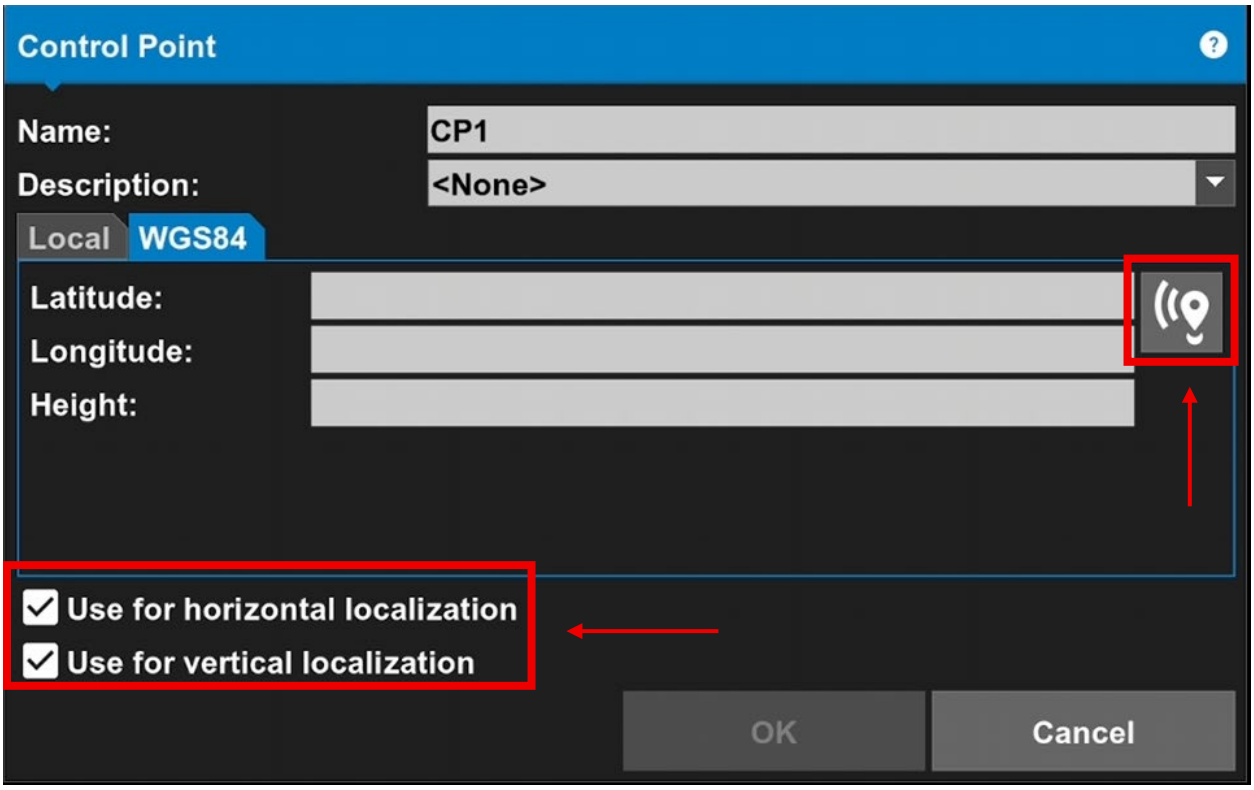
38. Highlight your Control Point then click **“Edit”**



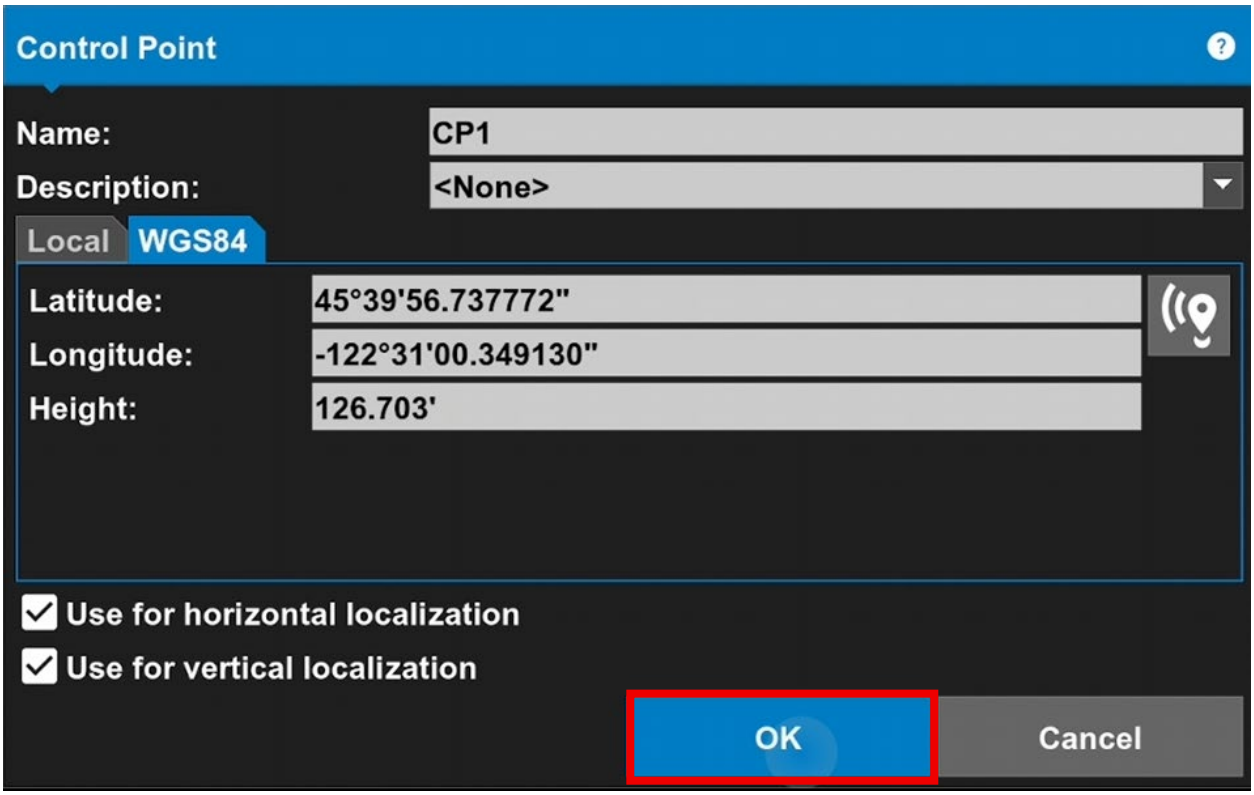
39. Press **“WGS84”**



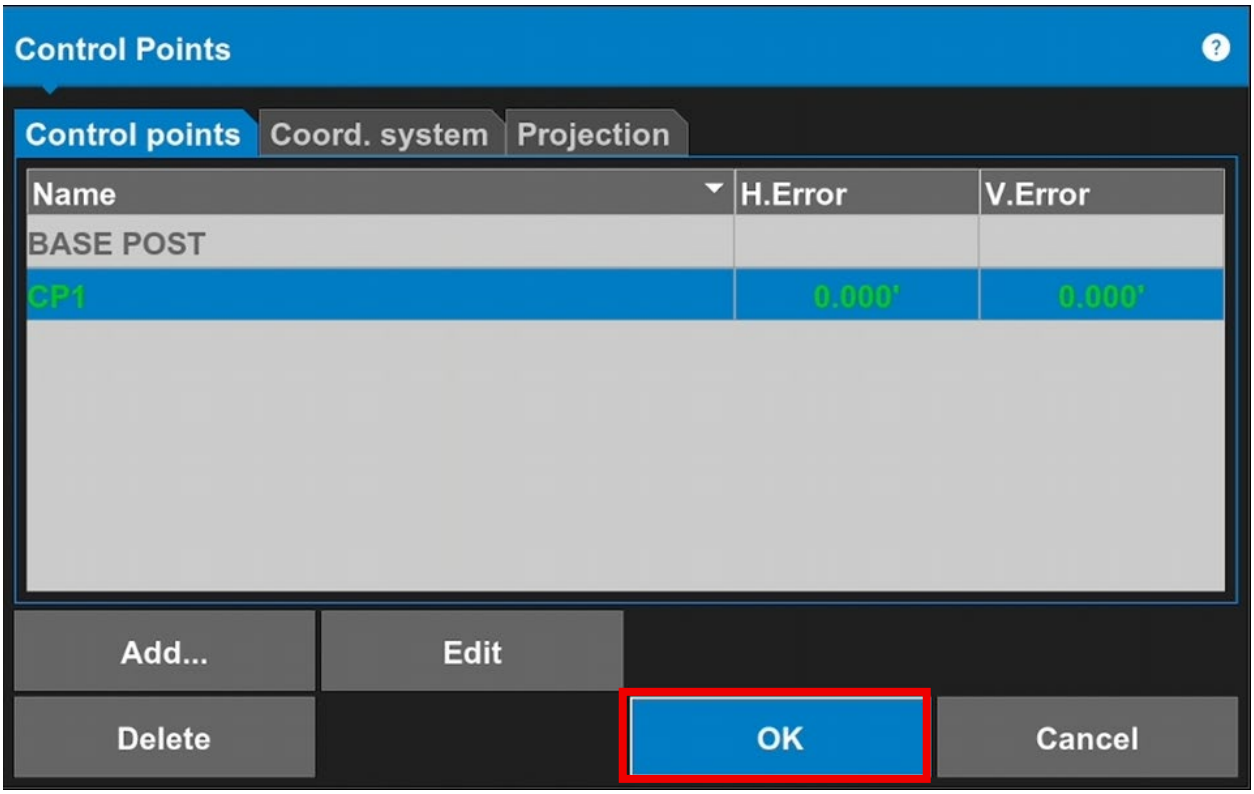
40. Check both boxes then click the signal icon on the right side of the screen.



41. Once values are measured, click **"OK"**



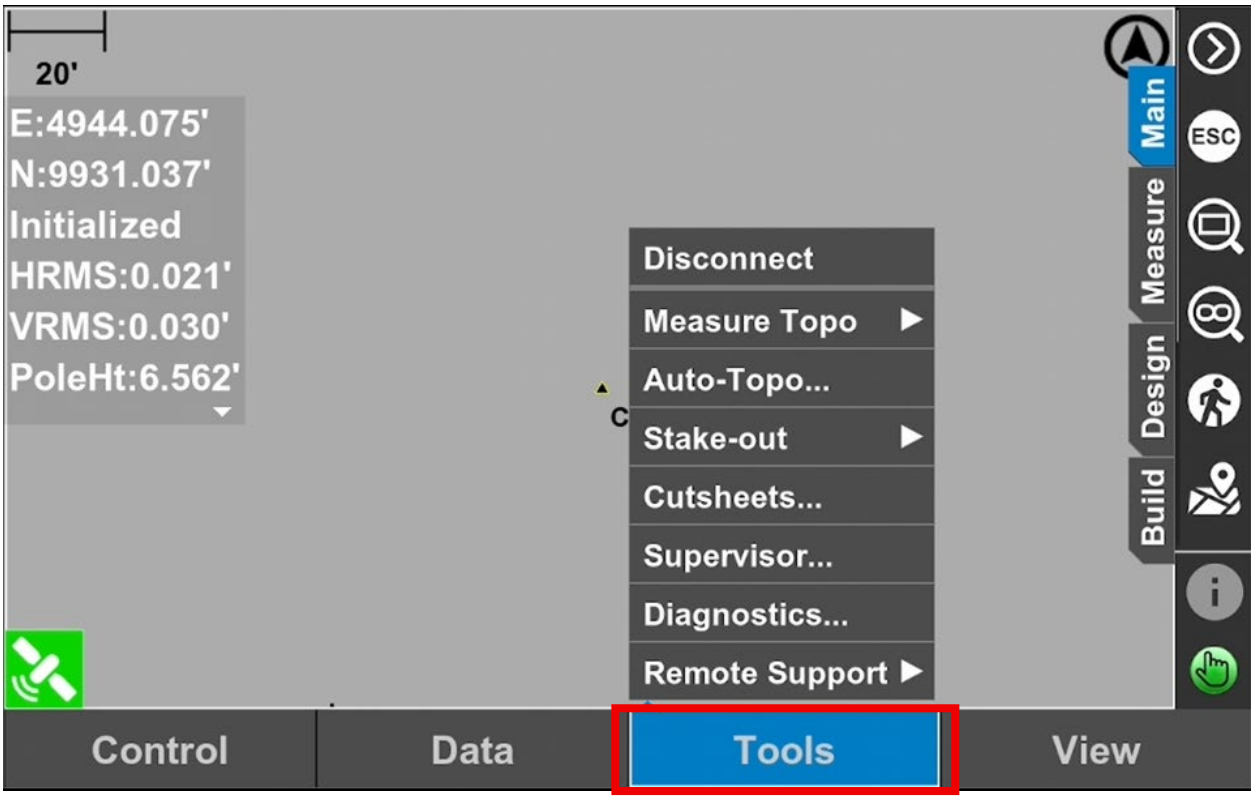
42. Control Point is now localized once it turns green. Tap **“OK”**



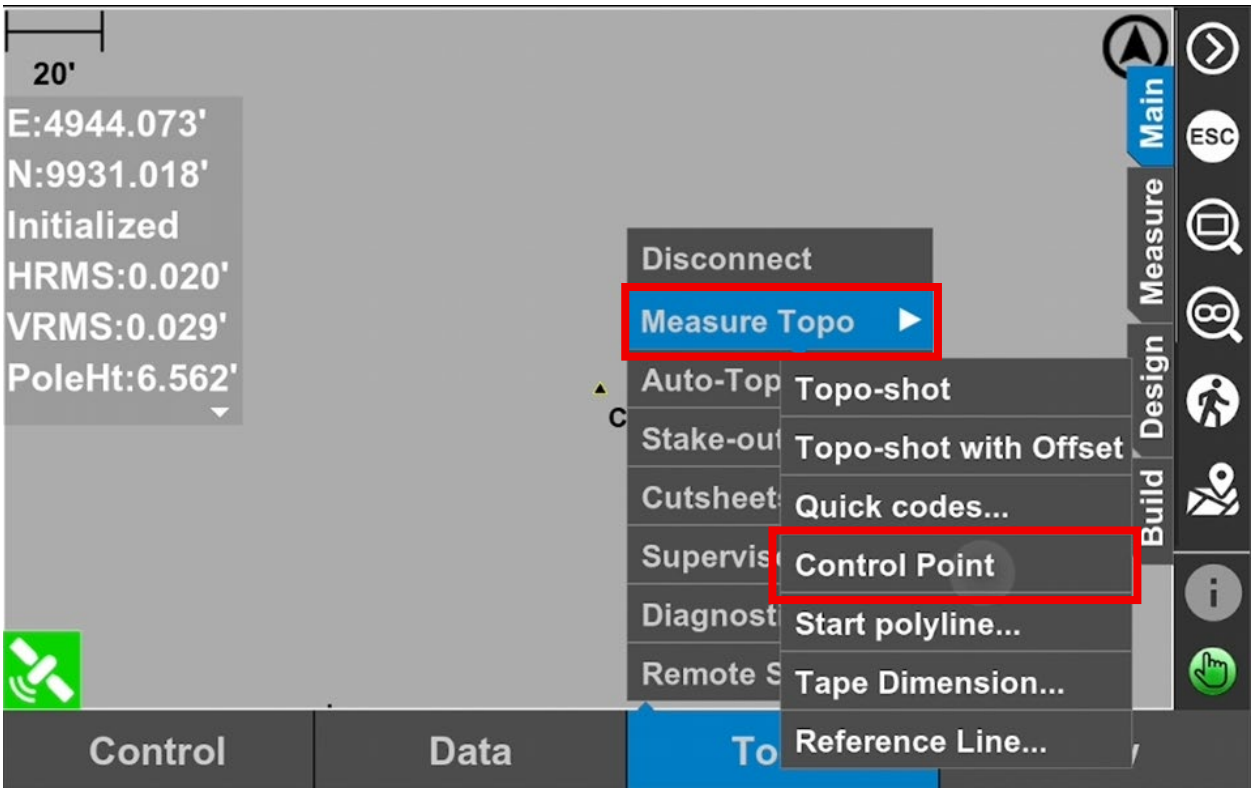
43. Remember to measure multiple control points per Job site. (Ex. 1 Control point per corner)

44. Walk to the next control point and place your Rod on the next survey pin. Level the Rod.

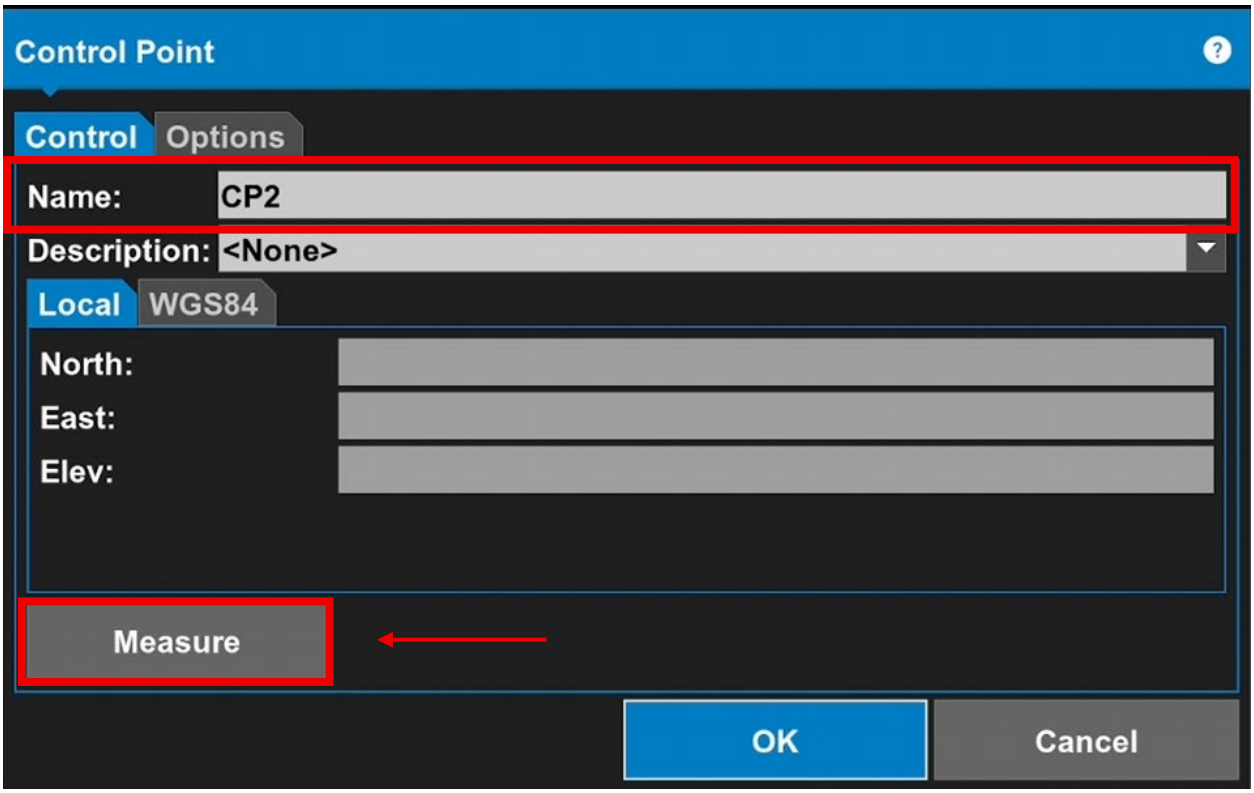
45. To Record your next control point, go to **“Tools”**



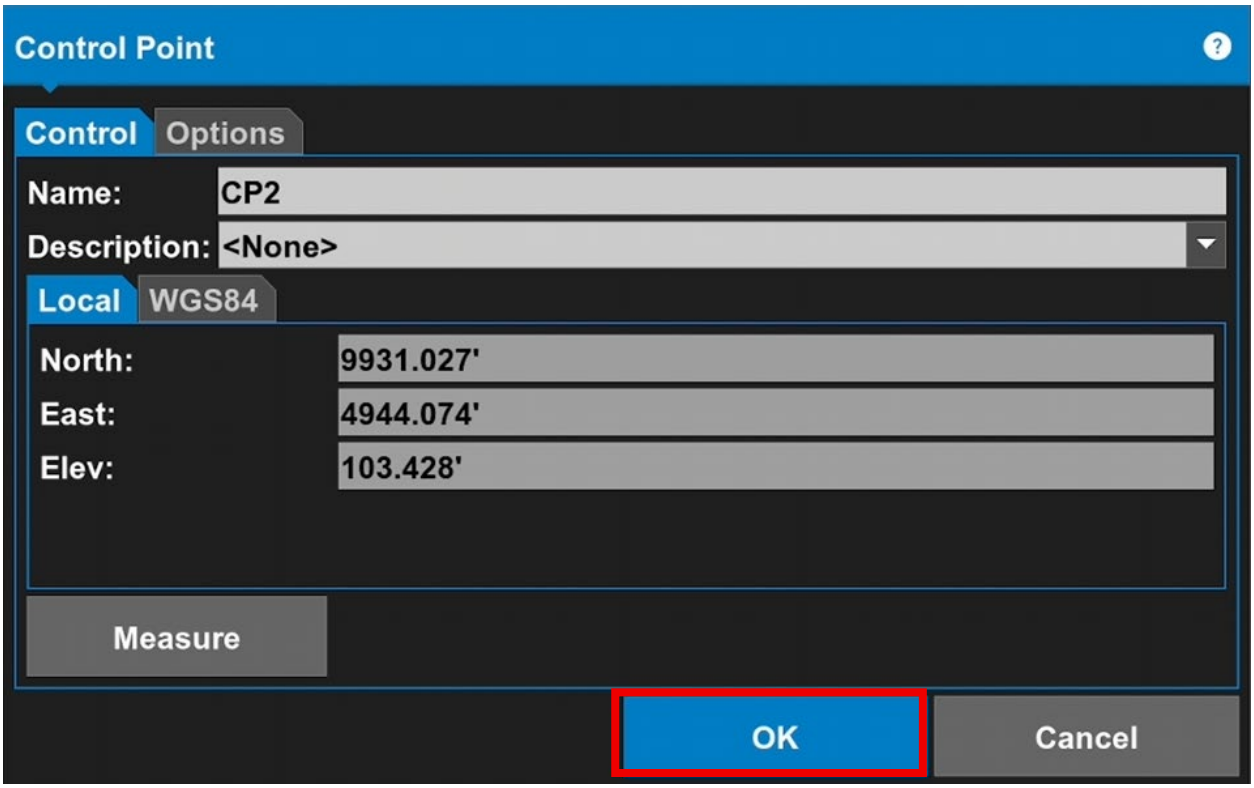
46. Click **“Measure Topo”**, then click **“Control Point”**



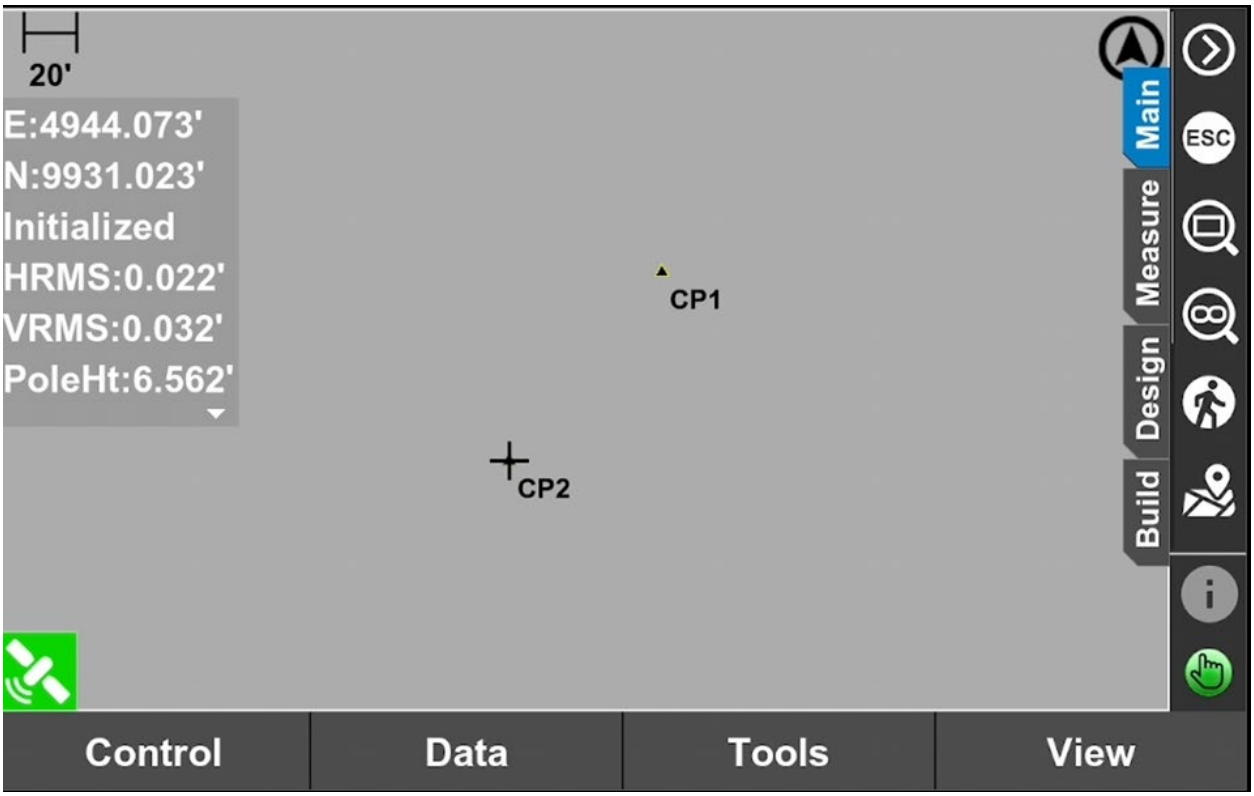
47. Name your Control Point then click **“Measure”**



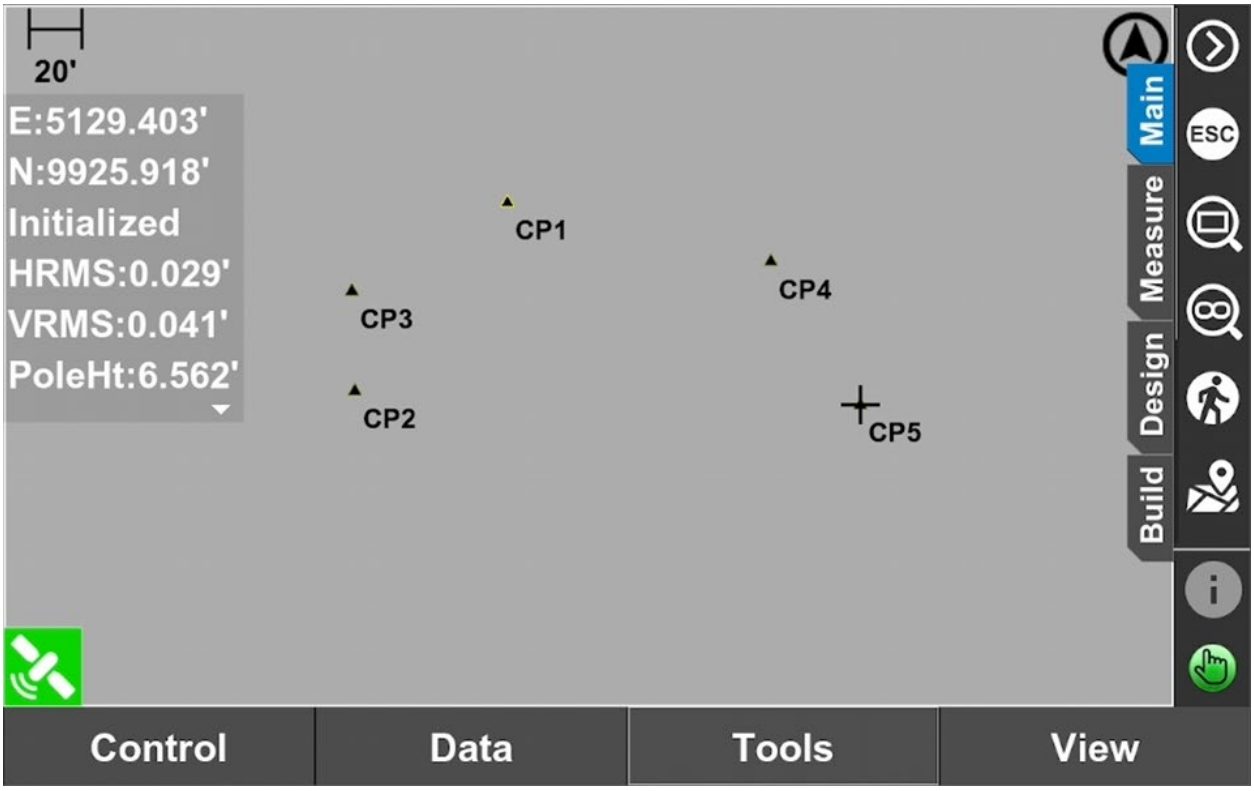
48. Once measuring finishes, tap **“OK”**



49. Second Control Point is established.



50. Repeat steps **44 to 49** on your next control points. We recommend a minimum of 5 control points to make your measurements more accurate. Always make sure that your Rod is level each time you switch places.



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