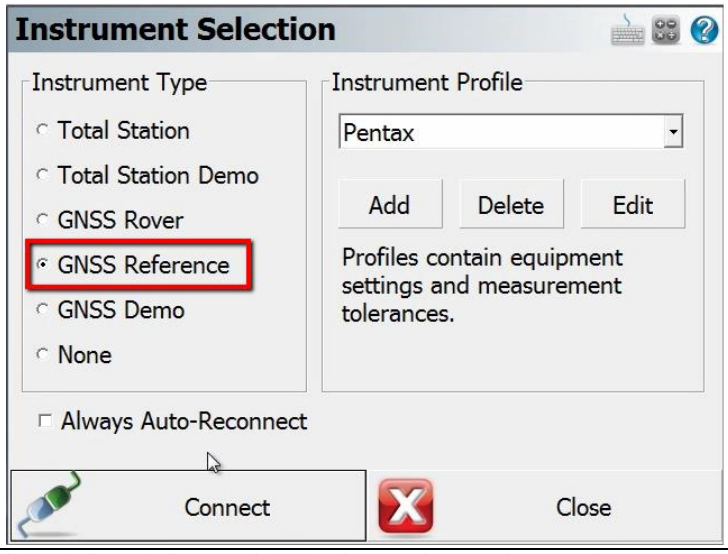
MicroSurvey FieldGenius

Known Geodetic Base

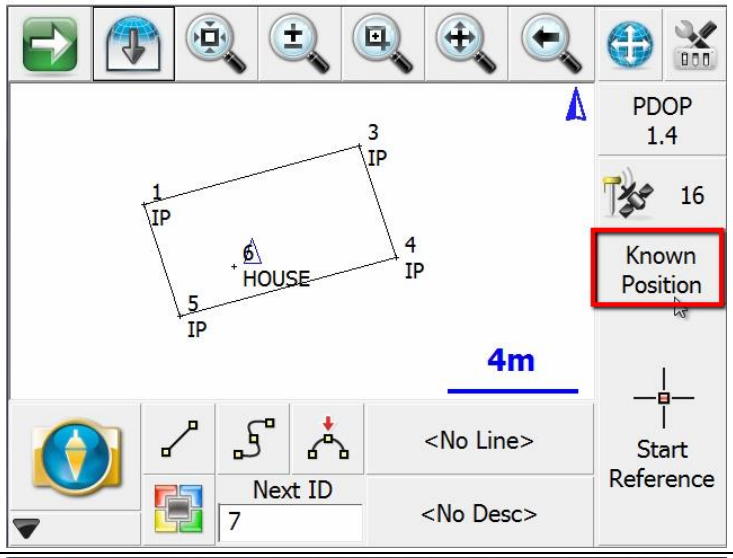
- Used when the base is set up on a point with a known grid coordinate
- This will allow you to store grid positions with your rover
- EDM distances measured between GPS points must be corrected with a scale factor

1. Set up the base on a point that you measured during Day 1

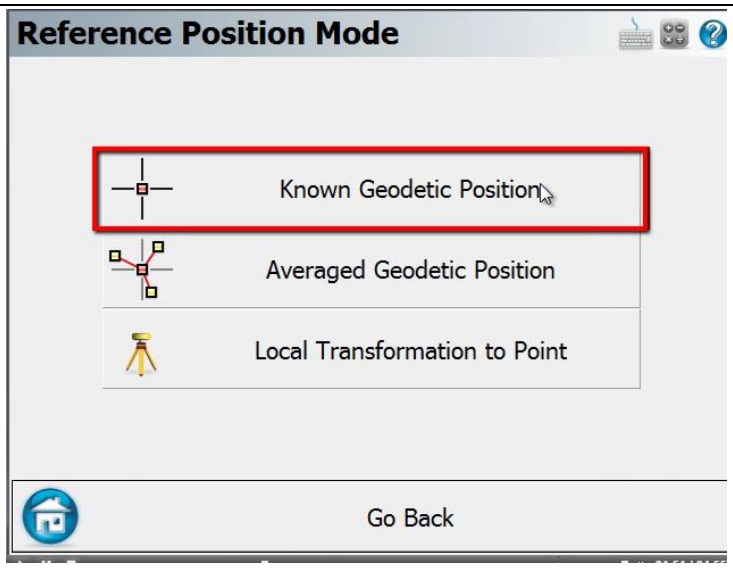
   Connect to the pre-configured base



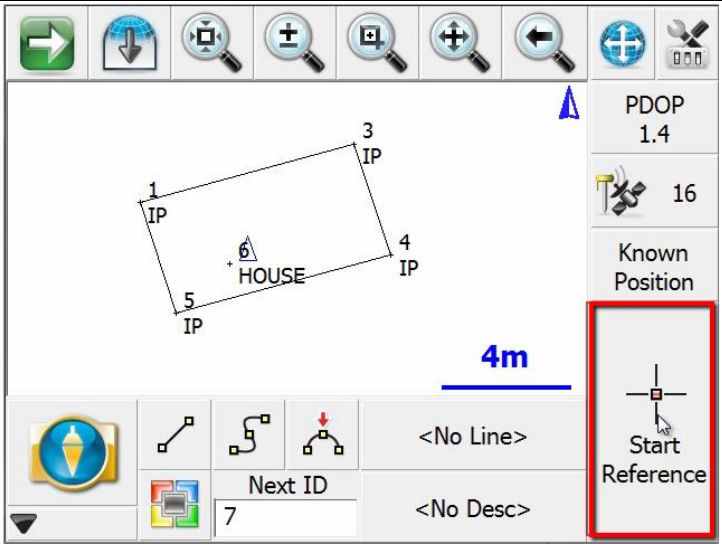
2. Pick the GPS Mode Button



3. Then pick “Known Geodetic Position”



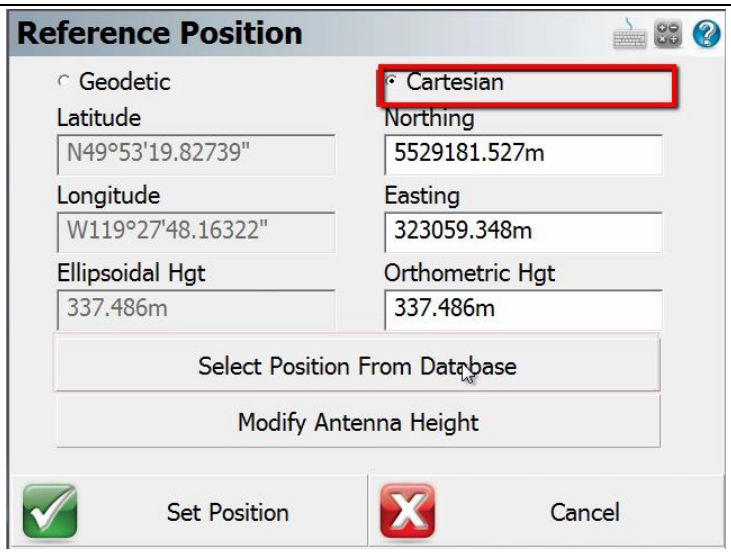
4. Pick on “Start Reference”

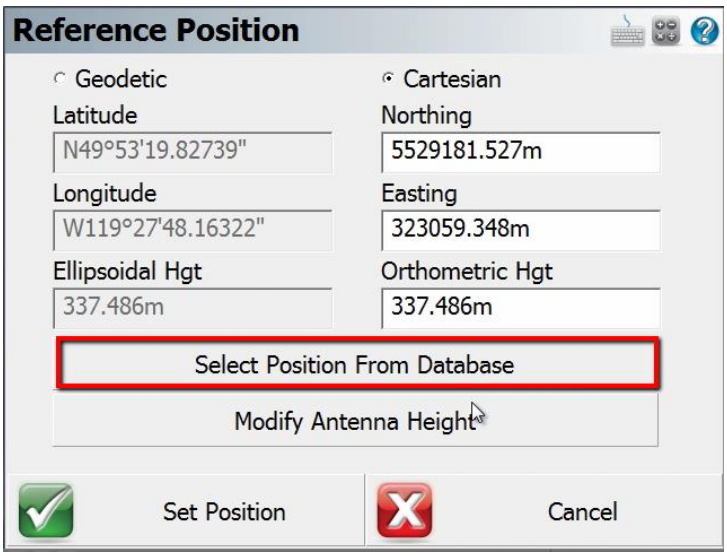


5. Pick the Cartesian to select a Cartesian Point. Select a Point from the Database and pick the point you wish to set up on. Or you can manually enter coordinates.

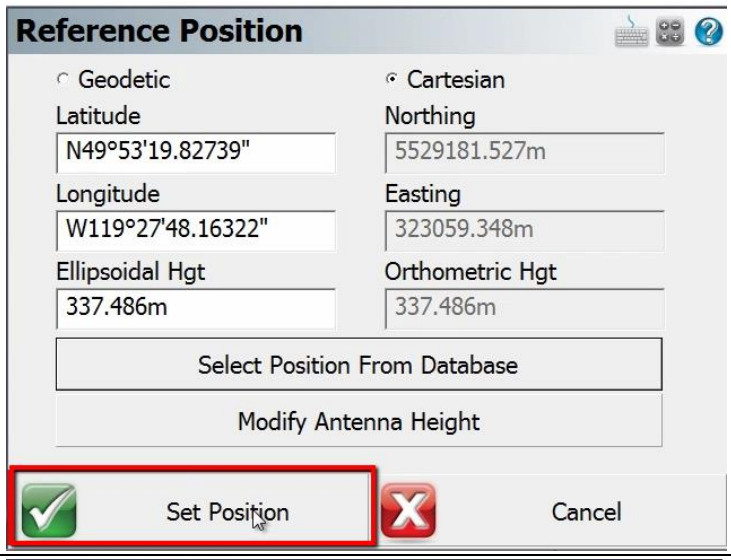
You can enter a published control point in either Latitude/Longitude or Cartesian Coordinate.

Check your Antenna height as it may have changed

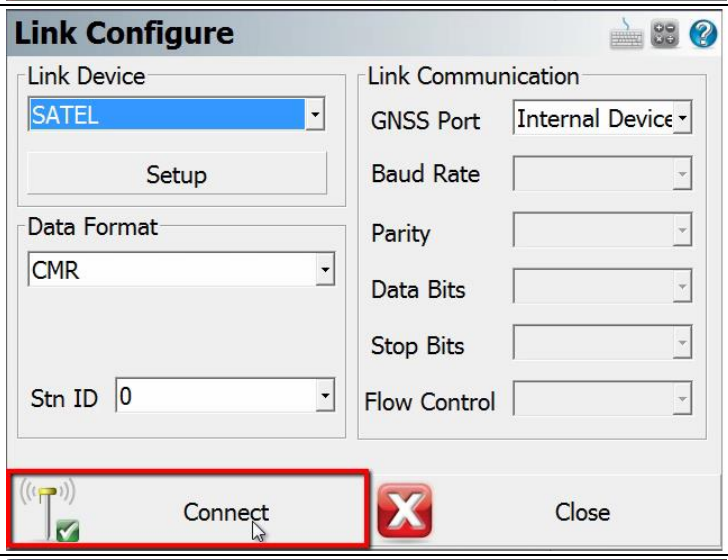




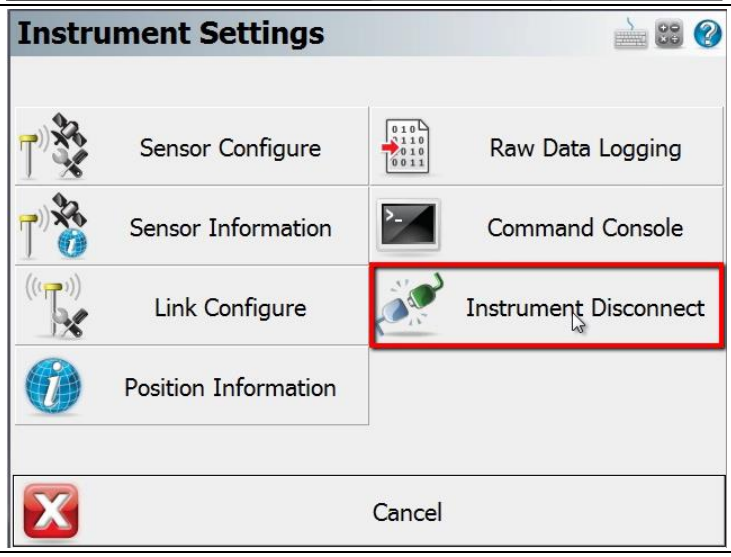
6. Then pick “Set Position”



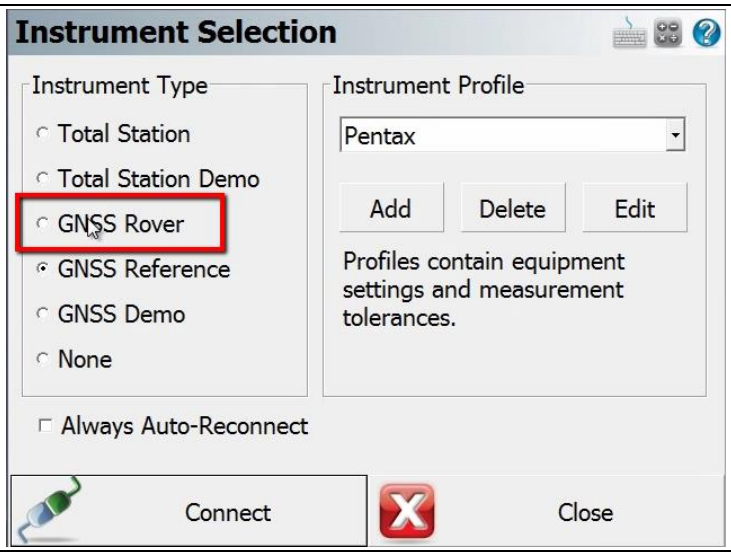
7. Configure the radio settings for the RTK link. Then press “Connect”. Notice on your base if your RTK link is now enabled.



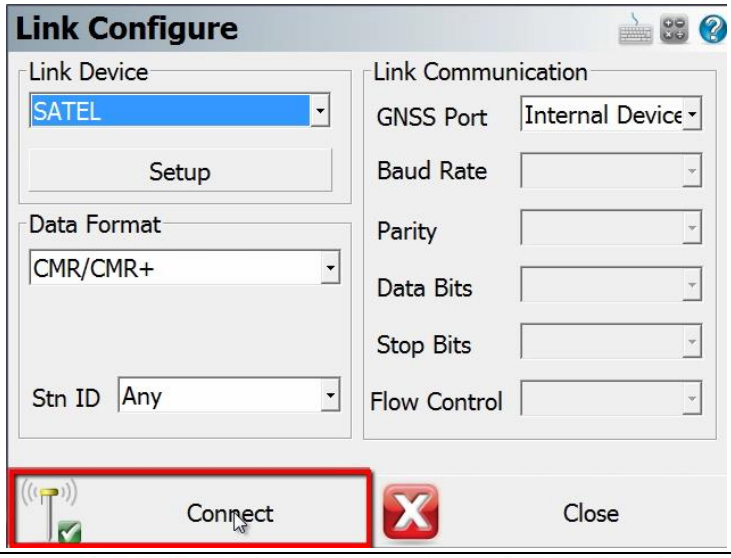
8. Disconnect from the base using the “Instrument Disconnect” button.



9. Connect to your rover. Select the rover from the pre-configured instruments



10. Configure the radio to listen to RTK link from the base. Press “Connect”.



11. Pick on the observations toolbar to see the current position of the rover.

Also Notice measurement button change to RTK fixed when that solution type has been attained.