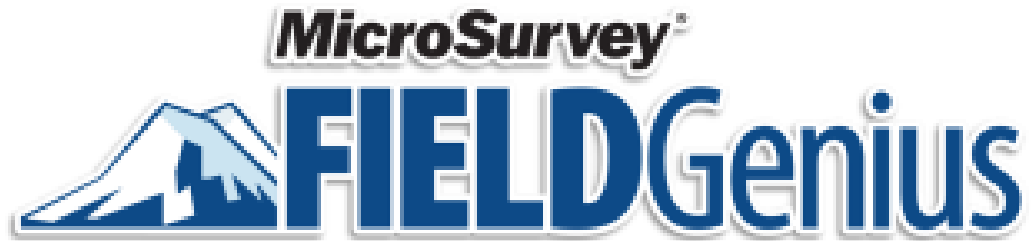




MicroSurvey FieldGenius

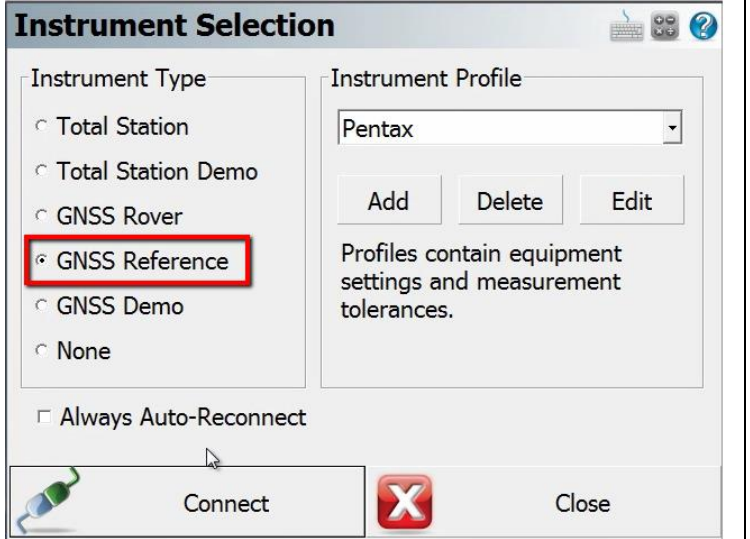
Local Transformation Day 2



- If you're returning to the same job site and you've already done the procedure from day 1.
- The base can be set up on any point from Day 1 that was measured using GPS.
- This is Base/Rover Procedure

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

Connect to the pre-configured base



Instrument Selection

Instrument Type

- Total Station
- Total Station Demo
- GNSS Rover
- GNSS Reference**
- GNSS Demo
- None

Instrument Profile

Pentax

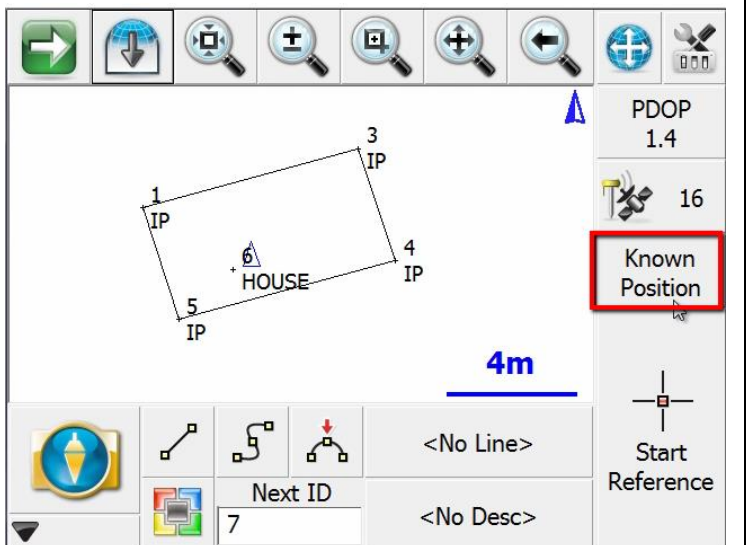
Add Delete Edit

Profiles contain equipment settings and measurement tolerances.

Always Auto-Reconnect

Connect Close

2. Pick the GPS Mode Button



PDOP 1.4

16

Known Position

Start Reference

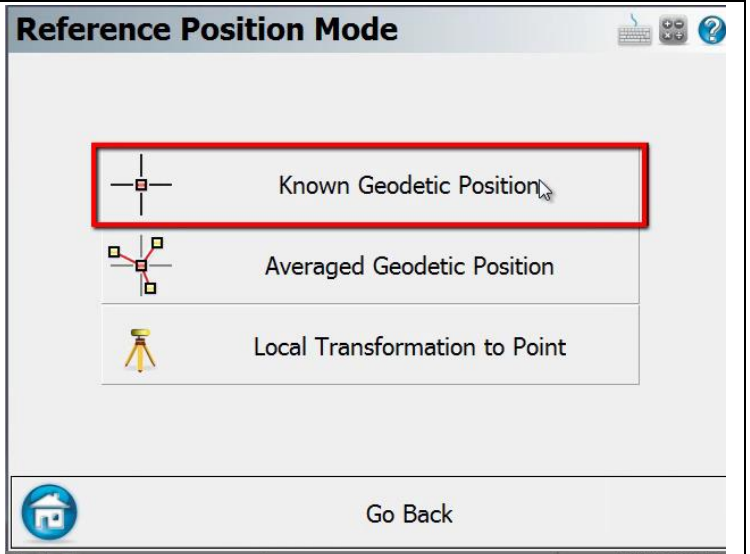
4m

<No Line>

Next ID 7

<No Desc>

3. Then pick "Known Geodetic Position"



Reference Position Mode

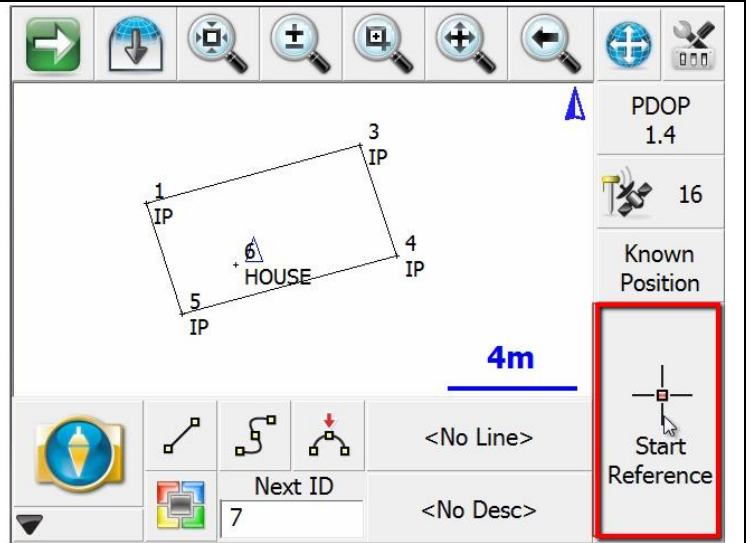
Known Geodetic Position

Averaged Geodetic Position

Local Transformation to Point

Go Back

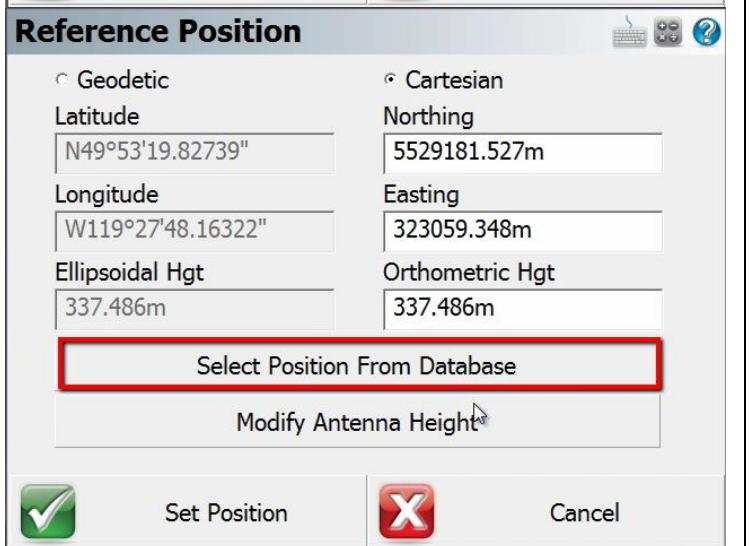
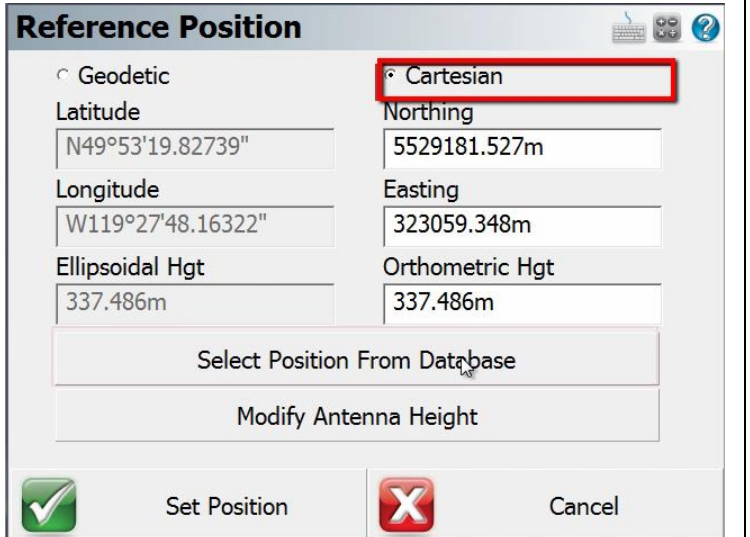
4. Pick on "Start Reference"



5. Select the "Cartesian" radio button
6. "Select Position from Database"

Select the GNSS point that you are occupying

Check your Antenna height as it may have changed



7. Then pick "Set Position"

Reference Position

Geodetic Cartesian

Latitude N49°53'19.82739"	Northing 5529181.527m
Longitude W119°27'48.16322"	Easting 323059.348m
Ellipsoidal Hgt 337.486m	Orthometric Hgt 337.486m

8. Configure the radio settings for the RTK link. Then press "Connect". Notice on your base if your RTK link is now enabled.

Link Configure

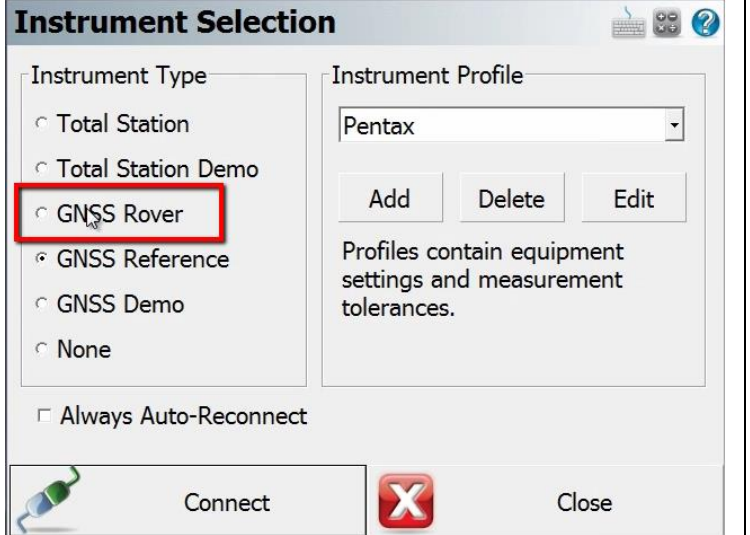
Link Device SATEL	Link Communication GNSS Port: Internal Device
<input type="button" value="Setup"/>	Baud Rate:
Data Format CMR	Parity:
Stn ID: 0	Data Bits:
	Stop Bits:
	Flow Control:

9. Disconnect from the base using the "Instrument Disconnect" button.

Instrument Settings

Sensor Configure	Raw Data Logging
Sensor Information	Command Console
Link Configure	<input checked="" type="button" value="Instrument Disconnect"/>
Position Information	

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



Instrument Selection

Instrument Type

- Total Station
- Total Station Demo
- GNSS Rover
- GNSS Reference
- GNSS Demo
- None

Instrument Profile

Pentax

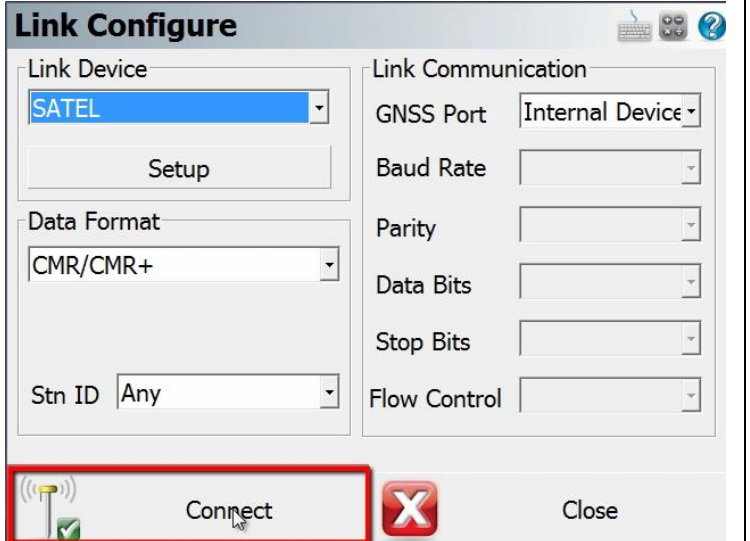
Add Delete Edit

Profiles contain equipment settings and measurement tolerances.

Always Auto-Reconnect

Connect Close

11. Configure the radio to listen to RTK link from the base and then press "Connect"



Link Configure

Link Device: SATEL

Setup

Data Format: CMR/CMR+

Stn ID: Any

Link Communication

GNSS Port: Internal Device

Baud Rate: []

Parity: []

Data Bits: []

Stop Bits: []

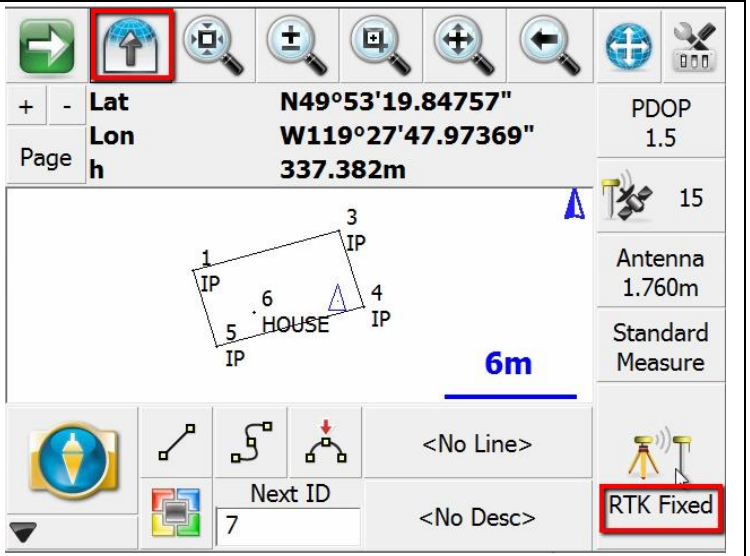
Flow Control: []

Connect Close

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

Also notice the measurement button change to RTK fixed when the tolerance is received.

:



Observations toolbar: [Home] [Position] [Zoom In] [Zoom Out] [Zoom Reset] [Zoom Full] [Previous View] [Next View] [RTK Fixed]

Lat: N49°53'19.84757"

Lon: W119°27'47.97369"

Page h: 337.382m

PDOP: 1.5

Antenna: 1.760m

Standard Measure

Next ID: 7

<No Line>

<No Desc>

RTK Fixed