

Configuring ZMax.NET for “The Utah Reference Network” (TURN)

By: Mark Silver

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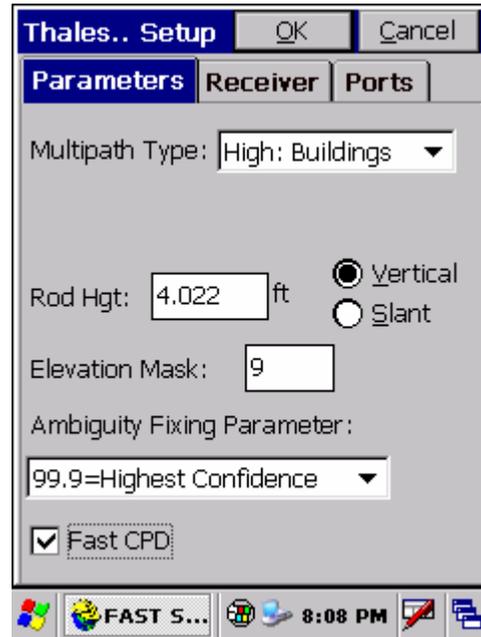
0. Get TURN credentials from:

<http://www.turngps.utah.gov/>

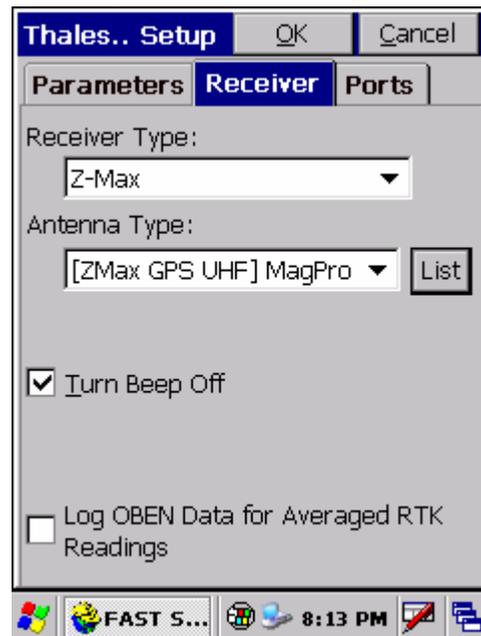
1. Start FAST Survey. From the “Equip” menu click on “3 Configure Rover”



2. Configure the “Parameters” tab. Check “Fast CPD” if you have doubts about correction latency.



3. Configure the ‘Receiver’ tab.

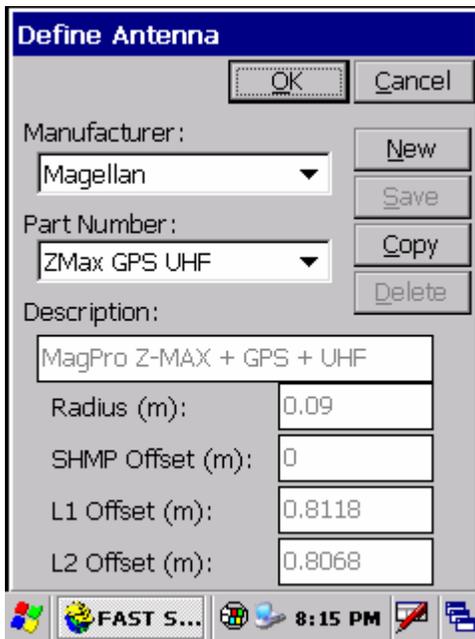


Only check “Log OBEN Data for Averaged RTK Readings” if you plan to use the vectors

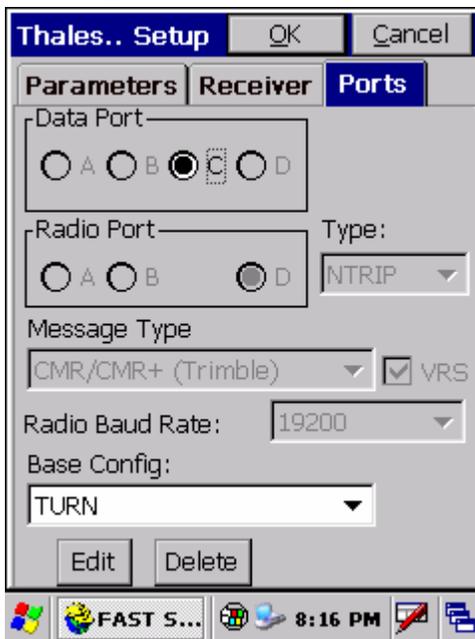
in GNSS Solutions. Logging OBEN data slows down averaged readings significantly.

Choose [ZMax GPS UHF] because you have a VORTEX antenna or blank attached between the ZMax receiver and the antenna.

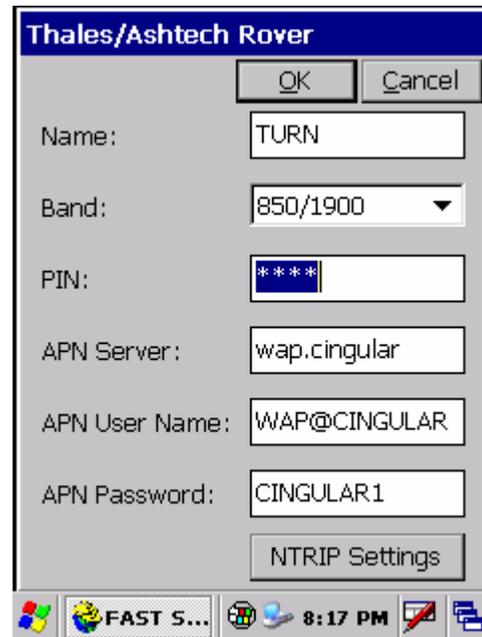
Click on the “List” button and verify that the antenna calibration values match those shown below:



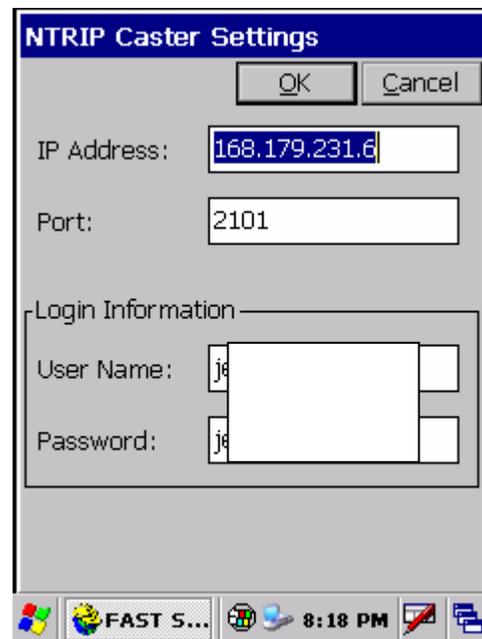
4. Configure the ‘Ports’ tab:



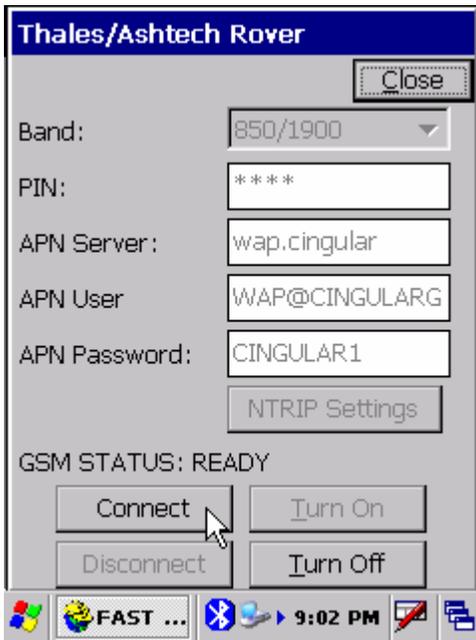
Press “Edit” and confirm these settings (for Cingular service):



Press “NTRIP Settings” and confirm these settings. Enter your “User Name:” and “Password:” in the “Login Information” boxes:



5. Finally press “OK” then “OK” and “OK”. FAST Survey will setup the receiver. After some wait the GSM Connect screen will be shown:



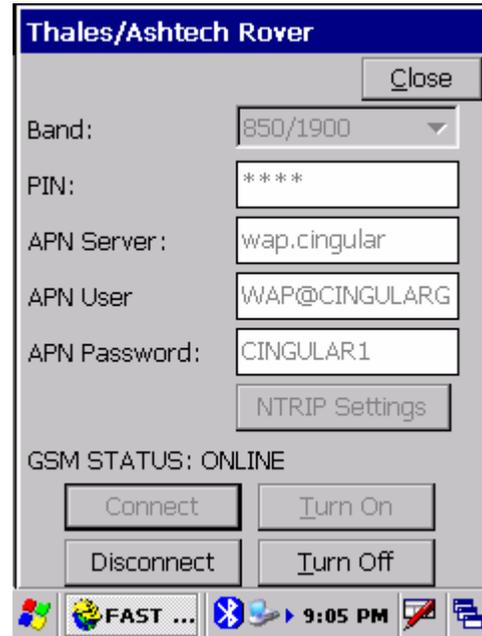
Press the “Connect” button ONCE and wait.

The “NTRIP Mount Point” screen will be shown:



Select the “Mount Point” you want to use. In the example above, the “VRS Network” mount point AGRC has been selected with CMR+ format.

Press “OK”, the GSM Connect screen will be shown again:



After a few moments, the GSM STATUS will change to ONLINE.

When it does, press the “Close” button.

Within 1 minute, the left most LED on the receiver should change from RED to YELLOW.

Wait for the left-most LED to change to blinking GREEN and begin surveying.