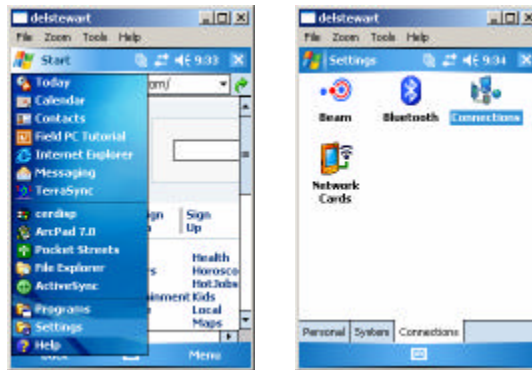
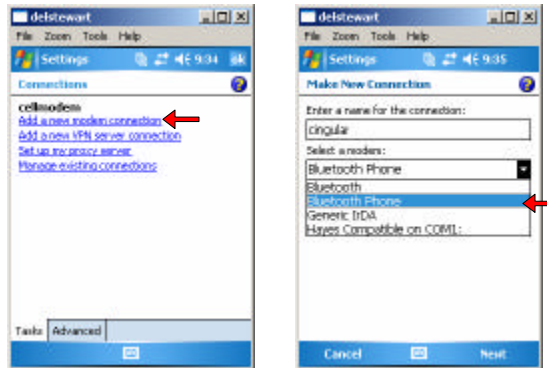


TerraSync Configuration using Cellular Phone Modem with VRS

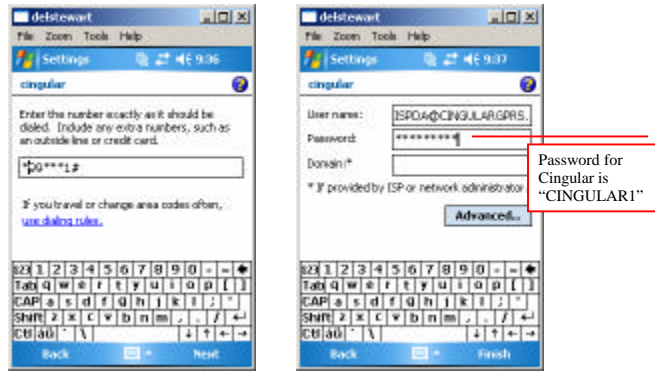
To connect using a Bluetooth enabled Data Capable phone, bond phone as with any other Bluetooth device, then go to Settings, Connection Tab, and then "Connections" icon.



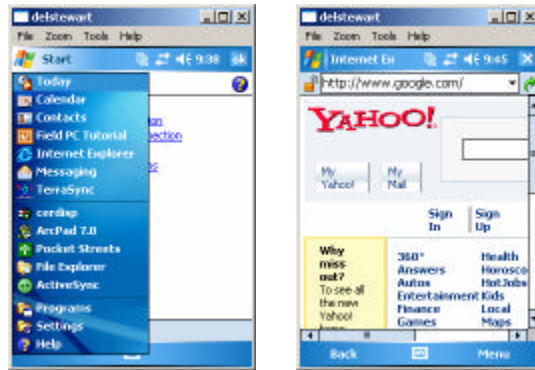
Add a "new modem connection", give it a unique name and select the Bluetooth phone (If hard wired to your phone, select "Hayes Compatible on COM1.")



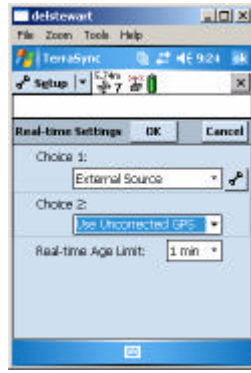
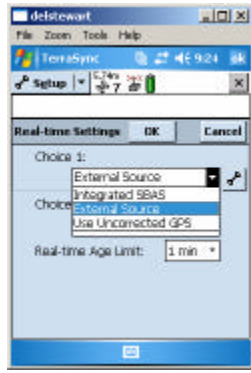
Enter the number to dial, then tap "Next" and enter User name and Password specific to your cellular carrier. Tap "Finish".



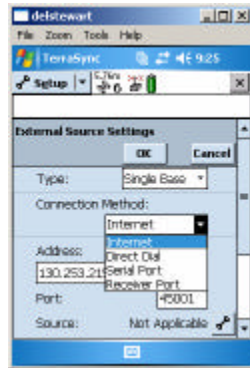
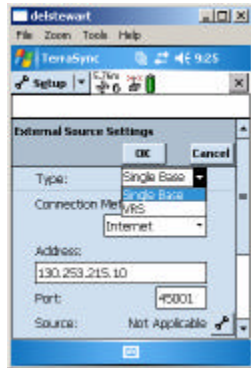
Go to Start button and select Internet Explorer. This should fire up the network connection, perhaps with a prompt to select the device and a passkey if used the first time connecting. Bluetooth on phone may need to be manually activated at this time. Once an Internet connection is established and verified, proceed to TerraSync settings below.



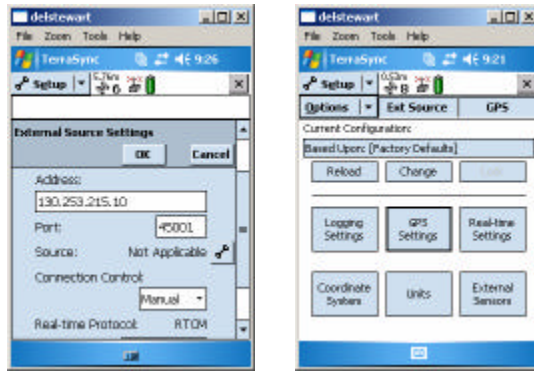
In TerraSync, go to Setup, "Real-time Settings", select "External Source" and then tap the wrench icon at right to configure



Select "Single Base" or "VRS" option, Connection Method as "Internet", enter IP Address and Port information.



Connection Control can be set to "Manual" or "Auto" – "Auto" setting will automatically connect DGPS, when GPS is connected; "Manual" setting will allow you to manually turn DGPS on/off via button directly below DGPS indicator icon.



Here we are, amazingly connected to 8 birds *inside* my office and connected via Bluetooth/cellular link to the Denver base station. Note that the estimated accuracy changes when connected to real-time DGPS source and icon goes from blinking to steady. You're now ready to collect GPS data

