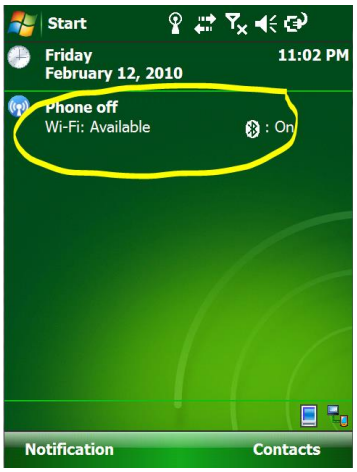
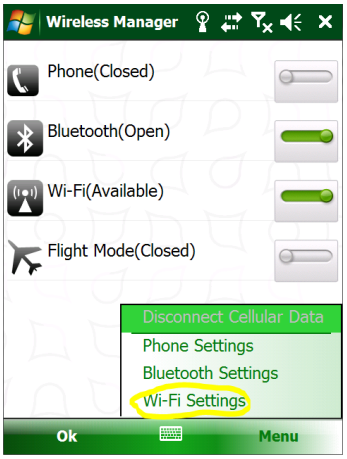
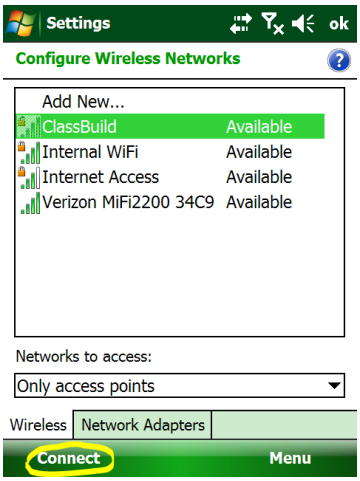
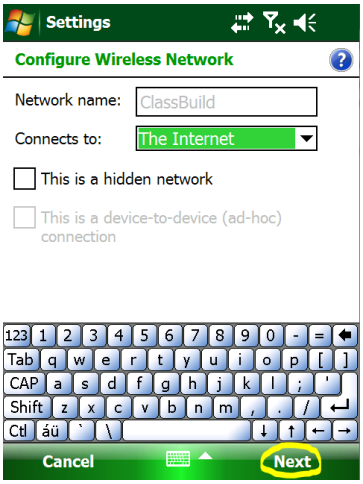
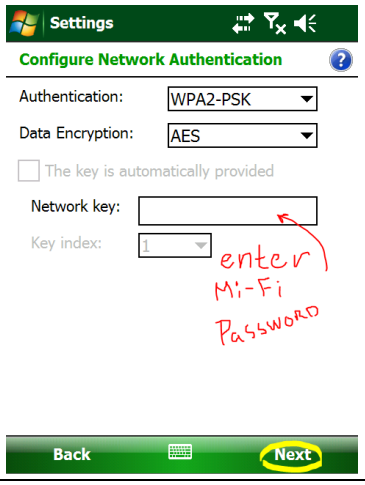
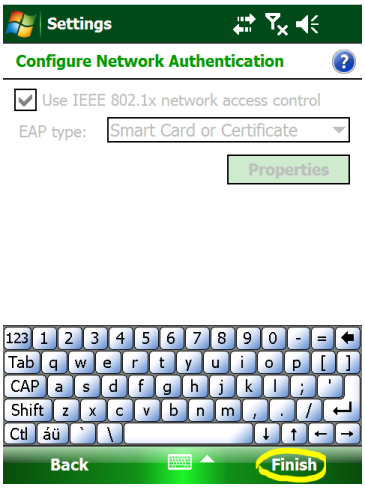
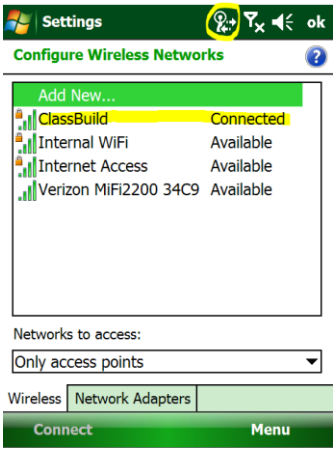
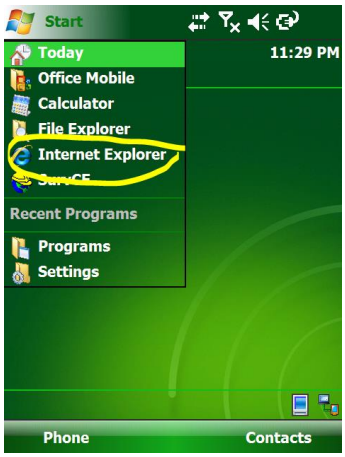
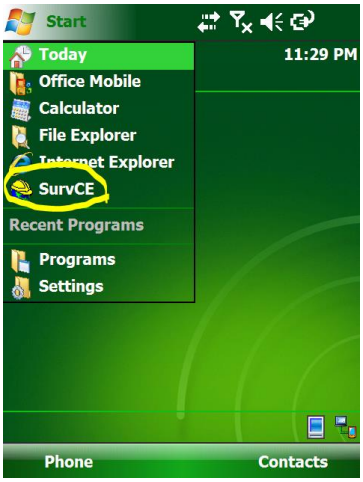
Getting Configured for Real Time Networks with an Internet Hot Spot

Step	Action	Display
1	a. Turn Your Mi-Fi, Cell Phone or other Internet Hot Spot On b. Turn Your Scepter Data Collector On c. In the center of the data collector tap "Wi-Fi"	
2	a. Tap "Menu" in the bottom Right Corner and then "Wi-Fi Settings"	
3	a. From the available choices Tap on your Mi-Fi device and then Tap "Connect" in the bottom left corner	

Step	Action	Display
4	a. Select “Next” as the Windows Mobile software automatically chooses the correct configurations. Do not try and match the settings in the image shown. b. DO NOT CHANGE ANY OF THESE SETTINGS.	
5	a. DO NOT change the “Authentication” or “Data Encryption” b. Enter your Mi-Fi password in the “Network Key” field by tapping in it and then Tapping the Keyboard Icon in the middle of the bottom bar (if it does not automatically pop up). c. Tap “Next”	
6	a. DO NOT change anything here just tap “Finish”	

Step	Action	Display
7	a. In a few moments you will see the word “Connected” next to the Mi-Fi device you set up, and at the top of the screen you will see a tower icon with arrows pointing in opposite directions. b. Tap “OK” at the top right of the screen c. Then tap “OK” at the bottom left of the screen to return to the main menu d. Every time you start your Scepter data collector it will now try and connect to this network.	
8	a. To verify you have internet connectivity tap the Windows Start button b. Then choose the Blue Internet Explorer Icon c. Enter a website you have never gone to before and make sure it loads up. d. If it does not you do not have internet connectivity e. Repeat the previous 7 steps.	
9	a. Once you have verified connectivity, exit out of Internet explorer b. From the Start Button Select SurvCE	

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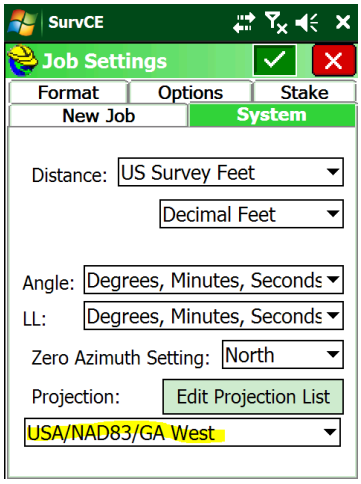
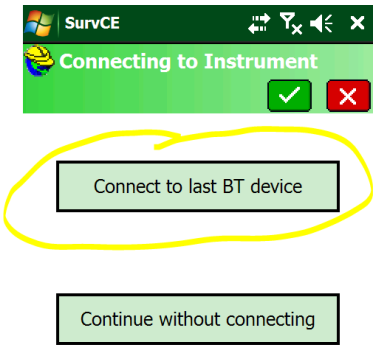
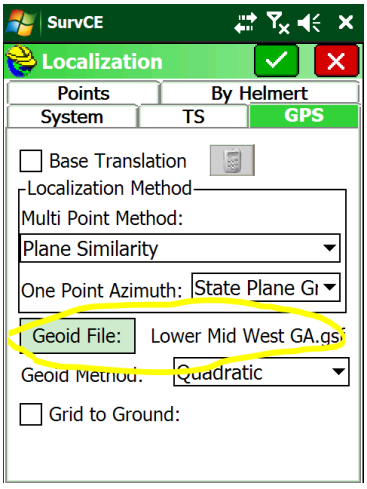
Step	Action	Display
10	a. Once Carlson SurvCE launches select or create a new Job. b. Under Job Settings make sure you have the correct “Projection” (State Plane Coordinate System) selected. c. Tap the “Green Check”	
11	a. If the Software ask you to connect to the Last BT device make sure your GNSS Receiver is on and that you are where you can see satellites b. Tap Connect to last BT Device c. If it does not ask this you will need to configure the connection settings in the equipment tab. d. Contact us if you need help with this	
12	a. Tap on the “Equip” tab b. Tap on #6 “Localization” c. Go to the “GPS” tab and look at the “Geoid File” field to make sure you have a Geoid selected for your area. If there is not one there then select one d. If you do not your elevations will be off e. If you do not have a Geoid model for your area, create one in Carlson Export, or contact us for more help. f. Tap the “Green Check”	

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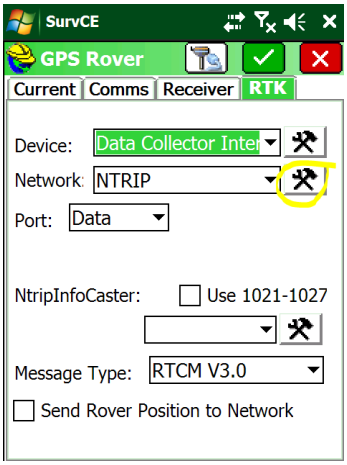
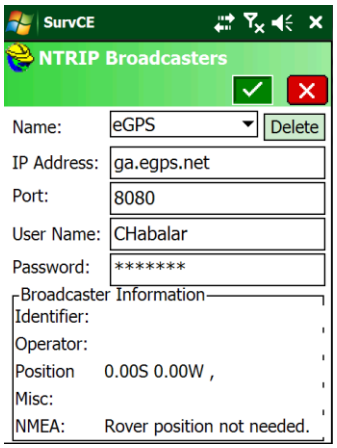
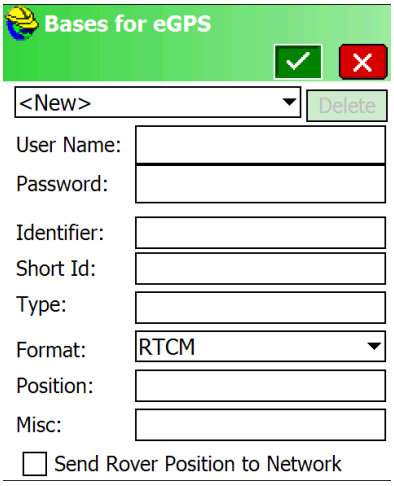
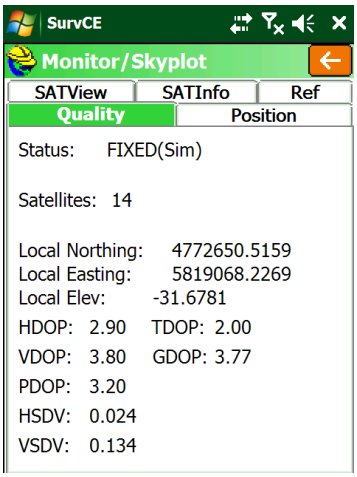
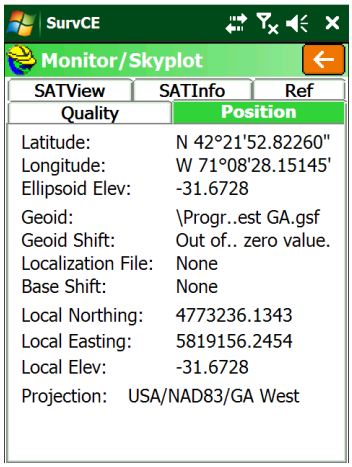
Step	Action	Display
13	a. From the “Equip” tab tap #3 “GPS Rover” b. The Select the “RTK Tab” c. The “Device:” will be “Data Collector Internet” d. Select your proper “Network:” type (most of the time it will be “NTRIP”) e. The “Port:” will be “Data” f. Select the “Hammer Wrench” icon next to the “Network:” field	
14	a. In the “Name:” field type in what you want to call the network b. Under “IP Address:” type in the server address given you by the network administrator c. Under “Port:” type in the port given you by the network administrator d. Then type in your “User Name:” and “Password” also provided by the network administrator **NOTE: UPPER AND LOWER CASE DOES MAKE A DIFFERENCE**	
15	a. Tap the “Green Check” b. If you are connected to the Internet, and have the correct information entered you should see a screen displaying “Bases for you network” c. Select the proper “Base” mount point then tap the “Green Check” d. If your settings are not correct or you do not have internet connection, you will get an error and then a screen showing no “prefilled” in information (like the one shown) e. Tap the “Green Check”	

Step	Action	Display
16	a. Tab the “Green Check” a second Time. b. This will bring you back to the main window in the “Equip” tab. c. Select #7 “Monitor/Skyplot” and then the “Quality” tab d. You should after a few moment see the “Status” go from Autonomous to Float and if Satellite conditions are good to Fixed If not recheck you internet Connectivity and your User Name and Password information	
17	a. Next go to the “position” Tab and make sure your “Ellipsoid Elev:” and “Local Elev” are different. b. If they are, you are ready to survey. If not, then you do not have a proper Geoid applied for your area and need to return to step 12 c. The example to the left shows what happens when a proper Geoid is NOT applied d. Tap the “Red Back Arrow” to return to the Main Menu	
18	Please contact us with any questions at: 770.243.3254 or visit our website for more help at www.championinstruments.com	