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" 	Start P Image: T T T T T Image: Friday 11:02 PM February 12, 2010 Image: Phone off Wi-Fi: Available Image: S
		Notification Contacts
2	a. Tap "Menu" in the bottom Right Corner and then "Wi-Fi Settings"	Wireless Manager Phone(Closed) Bluetooth(Open) Wi-Fi(Available) Flight Mode(Closed) Flight Mode(Closed) Disconnect Cellular Data Phone Settings Bluetooth Settings Bluetooth Settings Wi-Fi Settings
3	 a. From the available choices Tap on your Mi-Fi device and then Tap "Connect" in the bottom left corner 	Settings Image: Configure Wireless Networks Configure Wireless Networks Add New Image: Consective Method Network Adapters Verice Menu

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. 	Settings Image: Type 4€ Configure Wireless Network Image: Type 3 Network name: ClassBuild Connects to: The Internet Image: Type 3 This is a hidden network Image: This is a device-to-device (ad-hoc) connection
		$\begin{array}{c ccccccccccccccccccccccccccccccccccc$
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" 	Settings Settings Configure Network Authentication Authentication: WPA2-PSK ▼ Data Encryption: AES ▼ The key is automatically provided Network key: Key index: H-Fi Passwork
6	a. DO NOT change anything here just tap "Finish"	Back Next Image: Settings Image: Tx Configure Network Authentication (2) Image: Use IEEE 802.1x network access control EAP type: Smart Card or Certificate Properties
6		123 1 2 3 4 5 6 7 8 9 0 - = Tab q w e r t y u i o p [] CAP a s d f g h j k l ; ' Shift z x c v b n m , . / ← Ctl áû ` \ Back 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 	Settings Y ≤ ok Configure Wireless Networks Image: Configure Wireless Networks Add New Image: Connected Image: ClassBuild Connected
	 d. Every time you start your Scepter data collector it will now try and connect to this network. 	Networks to access: Only access points Wireless Network Adapters Connect Menu
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. 	Start Image: Start Today 11:29 PM Office Mobile Calculator Calculator File Explorer Toternet Explorer Internet Explorer Survet Survet Recent Programs Settings Settings Settings
9	 a. Once you have verified connectivity, exit out of Internet explorer b. From the Start Button Select SurvCE 	Start Today 11:29 PM Office Mobile Calculator File Explorer Unternet Explorer SurvCE Recent Programs Programs Settings

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" 	SurvCE Image: Total Stake Format Options Stake New Job System Distance: US Survey Feet Image: Decimal Feet Decimal Feet Image: Degrees, Minutes, Seconds Image: Degrees, Minutes, Minutes, Minutes, Minutes, Minutes, Minutes, Minutes, Minutes, Minutes, Minut
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 	SurvCE Solution SurvCE Solution SurvCE Solution SurvCE Solution Stream Solution Solu
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" 	SurvCE Immodel Y X Points By Helmert System TS GPS Base Translation Immodel Y Immodel Y Localization Method Immodel Y Immodel Y Multi Point Method: Plane Similarity Immodel Y One Point Azimuth: State Plane Gr Immodel Y Geoid File: Lower Mid West GA.gsi Geoid Metriod: Immodel Grid to Ground: Immodel Y Immodel Y

Step	Action	Display
13	a. From the "Equip" tab tap #3 "GPS Rover"	SurvCE
	b. The Select the "RTK Tab"	Current Comms Receiver RTK
	c. The "Device:" will be "Data Collector Internet"	Device: Data Collector Inter 🗸 🛠 Network: NTRIP V 🛠 Port: Data V
	 Select your proper "Network:" type (most of the time it will be "NTRIP") 	NtripInfoCaster: Use 1021-1027
	e. The "Port:" will be "Data"	Message Type: RTCM V3.0
	f. Select the "Hammer Wrench" icon next to the "Network:" field	Send Rover Position to Network
14	 a. In the "Name:" field type in what you want to call the network 	SurvCE Su
	 Under "IP Address:" type in the server address given you by the network administrator 	Name: eGPS Delete IP Address: ga.egps.net Port: 8080
	 Under "Port:" type in the port given you by the network administrator 	User Name: CHabalar Password: ****** Broadcaster Information
	 Then type in your "User Name:" and "Password" also provided by the network administrator 	Identifier: Operator: Position 0.00S 0.00W , Misc:
	NOTE: UPPER AND LOWER CASE DOES MAKE A DIFFERENCE	NMEA: Rover position not needed.
	a. Tap the "Green Check"	Bases for eGPS
15	 b. If you are connected to the Internet, and have the correct information entered you should see a screen displaying "Bases for you network" 	<pre></pre>
	c. Select the proper "Base" mount point then tap the "Green Check"	Identifier:Short Id:
	 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) 	Type: Format: RTCM Position: Misc: Send Rover Position to Network
	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 	SurvCE Image: The symbol Monitor/Skyplot Image: SatTinfo Ref Quality Position Status: FIXED(Sim) Satellites: 14 Local Northing: 4772650.5159 Local Easting: 5819068.2269 Local Elev: -31.6781 HDOP: 2.90 VDOP: 3.80 GDOP: 3.77 PDOP: 3.20 HSDV: 0.024 VSDV: 0.134
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 	SurvCE Y ← ★ Monitor/Skyplot ✓ SATView SATInfo Ref Quality Position Latitude: N 42°21'52.82260" Longitude: W 71°08'28.15145' Ellipsoid Elev: -31.6728 Geoid: \Progrest GA.gsf Geoid Shift: Out of zero value. Localization File: None Base Shift: None Local Rasting: 5819156.2454 Local Elev: -31.6728 Projection: USA/NAD83/GA West
18		at: 770.243.3254 or visit our website for more help Impioninstruments.com