

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 Configure Wireless Network Network name: ClassBuild Connects to: The Internet This is a hidden network This is a device-to-device (ad-hoc) connection
		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 ` \ \ Cancel Next
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 Configure Network Authentication Authentication: WPA2-PSK Data Encryption: AES The key is automatically provided Network key: Key index: TASSMORD
	a. DO NOT change anything here just tap "Finish"	Back Next Next Settings
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 áū ` \ \ 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 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. 	Settings Configure Wireless Networks Add New ClassBuild Connected Internal WiFi Available Internet Access Available Verizon MiFi2200 34C9 Available 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 Today Office Mobile Calculator File Explorer Internet Explorer Sance Recent Programs Programs Settings Phone Contacts
9	 a. Once you have verified connectivity, exit out of Internet explorer b. From the Start Button Select SurvCE 	Today Today Office Mobile Calculator File Explorer SurvCE Recent Programs Programs Settings Phone Contacts

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 Job Settings Format Options Stake New Job System Distance: US Survey Feet Decimal Feet Angle: Degrees, Minutes, Seconds ▼ LL: Degrees, Minutes, Seconds ▼ Zero Azimuth Setting: North Projection: Edit Projection List USA/NAD83/GA West ▼
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 	Connecting to Instrument Connect to last BT device Continue without connecting
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 Cocalization Points By Helmert System TS GPS Base Translation Localization Method Multi Point Method: Plane Similarity One Point Azimuth: State Plane Gi Geoid File: Lower Mid West GA.qs; Geoid Metnod. Quadratic Grid to Ground:

Step	Action	Display
13	a. From the "Equip" tab tap #3 "GPS Rover"	SurvCE $\Rightarrow \nabla_{\mathbf{x}} \cdot \mathbf{x}$ GPS Rover \bullet
	b. The Select the "RTK Tab"	Current Comms Receiver RIK
	c. The "Device:" will be "Data Collector Internet"	Device: Data Collector Inter ▼ ↑ Network: NTRIP ▼ ↑ Port: Data ▼
	d. 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 $\Rightarrow \nabla_{\mathbf{x}} \cdot $
	b. Under "IP Address:" type in the server address given you by the network administrator	Name: eGPS Delete IP Address: ga.egps.net Port: 8080
	c. Under "Port:" type in the port given you by the network administrator	User Name: CHabalar Password: ******* Broadcaster Information
	d. 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"	<new> ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓</new>
	c. Select the proper "Base" mount point then tap the "Green Check"	Identifier: Short Id:
	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)	Type: Format: RTCM Position: Misc: Send Rover Position to Network
	e. Tap the "Green Check"	

Scepter / Scepter II Getting Configured for Real Time Networks with an Internet Hot Spot

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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 	Monitor/Skyplot SATView SATInfo Ref Quality Position Status: FIXED(Sim) Satellites: 14 Local Northing: 4772650.5159 Local Easting: 5819068.2269 Local Elev: -31.6781 HDOP: 2.90 TDOP: 2.00 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 	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 Northing: 4773236.1343 Local Easting: 5819156.2454 Local Elev: -31.6728 Projection: USA/NAD83/GA West
18	Please contact us with any questions at: 770.243.3254 or visit our website for more help at www.championinstruments.com	