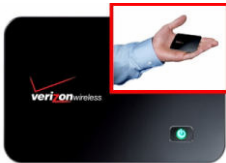


WiFi Networking with Verizon MiFi

The following document describes one step-by-step method of how to configure and utilize a Verizon “mobile intelligent WiFi” (MiFi) card for use as a Data Collector Internet option with the Carlson Surveyor/ Surveyor+ with Carlson SurvCE™. A common use for this practice is to obtain GPS base station corrections through the Internet:

Provision and Configure the MiFi Card Through your PC USB

1. Follow the provisioning and configuration steps on your PC as outlined at http://support.vzw.com/pdf/Get_Started_Guide_MiFi.pdf.
2. Once completed, disconnect the MiFi card from your PC and verify the MiFi card is powered on.

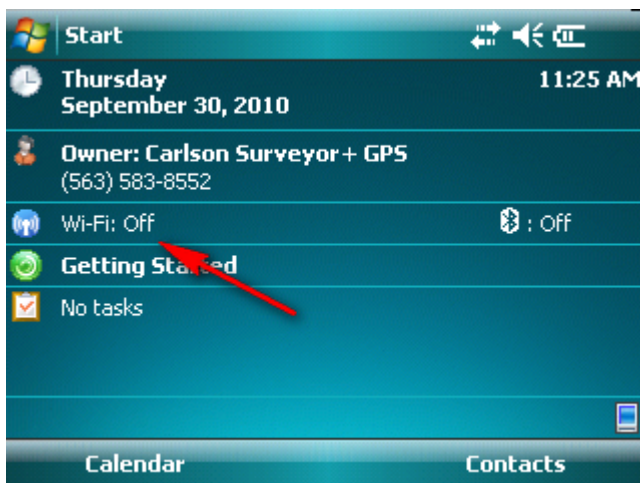


Note: An extended life battery for the Verizon MiFi 2200 device can be obtained by visiting <http://www.mugen-power-batteries.com/mugen-power-3600mah-extended-battery-for-for-novatel-verizon-wireless-mifi-2200.html>

Prepare the Surveyor(+)

Perform the following on the Carlson Surveyor(+):

1. From the Home screen, tap on the Wi-Fi icon to access the Wireless Manager and turn Wi-Fi On.



2. In the Wireless Manager, tap Menu → Wi-Fi Settings.

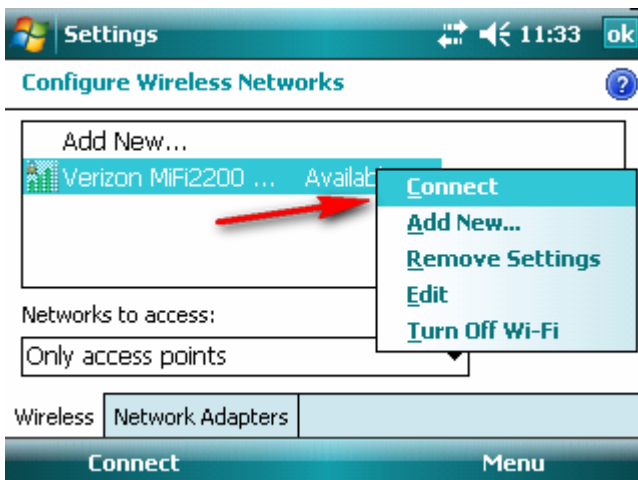


3. In Settings, the Verizon MiFi device should appear. If it doesn't tap **Add New...** and follow the on-screen prompts (you should be able to accept all of the default values).

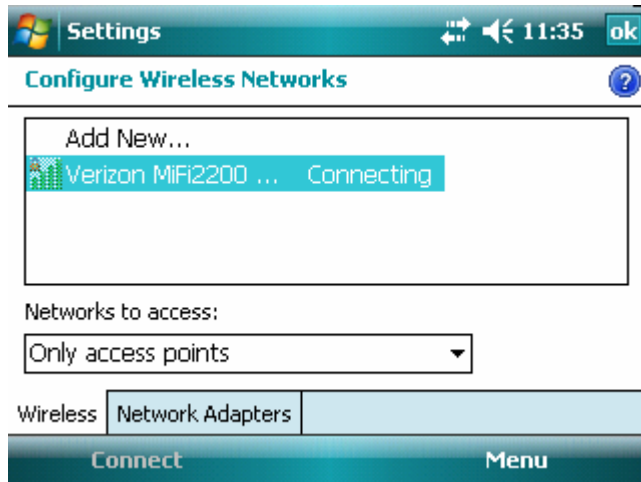
Note: When prompted for the SSID and password of the MiFi device, extract them from the label found on the MiFi device.



4. Tap and hold on the MiFi device and then click **Connect**.



Note: It may take several seconds for the MiFi connection to be established.



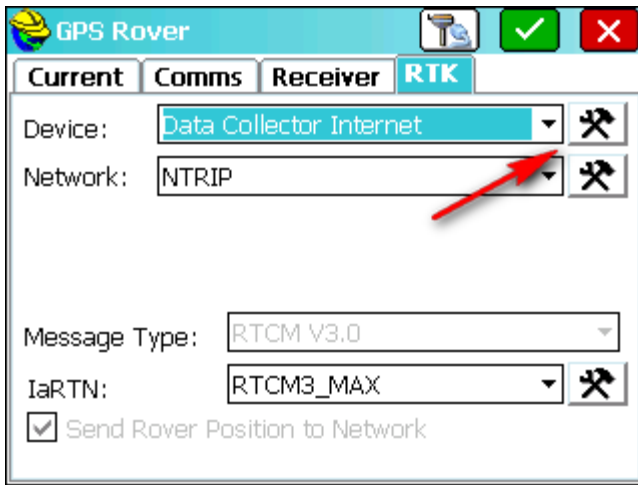
5. Upon a successful connection, the notification icon in the status bar will appear as shown. Your Surveyor+ is now able to access the Internet. Tap **OK** to dismiss the Settings dialog box.



Launch Carlson SurvCE™

The following information was written showing Carlson SurvCE 2.51. Subsequent releases of SurvCE should be very similar to that shown below.

1. Launch SurvCE and proceed through the Job Setup menus to the main SurvCE screen.
2. Tap the Equipment tab and then tap **GPS Rover** and tap the **RTK** tab.
3. Set the Device to **Data Collector Internet** and then tap the **Device Tools** button.



4. Since the Surveyor+ is managing the connection to the Internet, tap the Green Check button to complete the SurvCE connection to the Internet.

5. Complete the GPS Rover configuration settings as outlined in the SurvCE documentation.

Once the Internet connection has been established, mountpoints and base information can be established to obtain GPS base station corrections.