

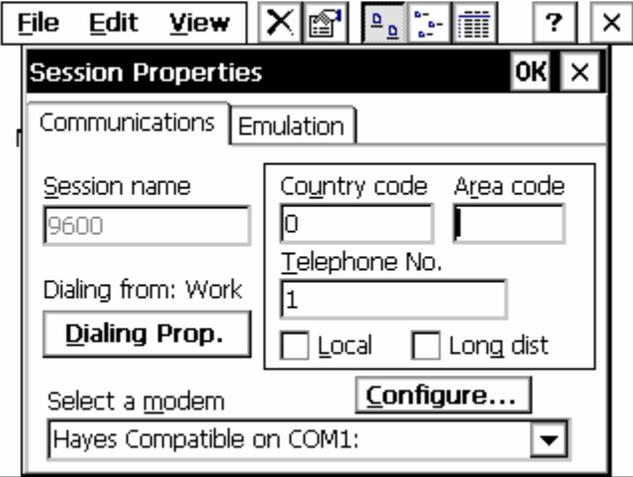
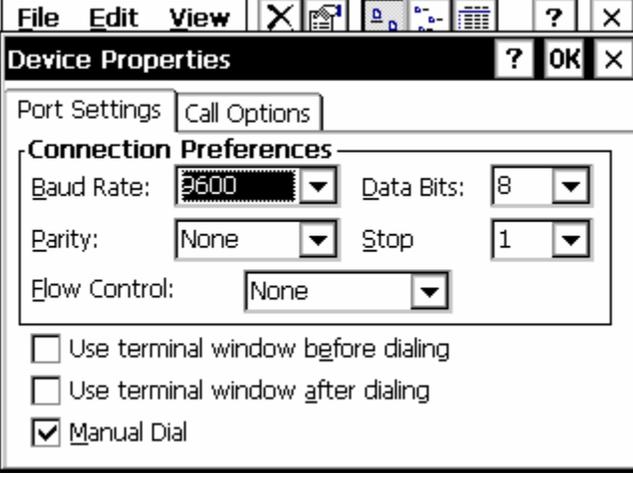
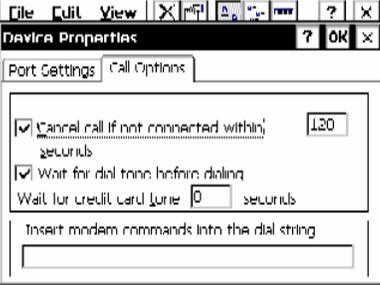
# Sokkia Radian IS – Rover Port Configuration

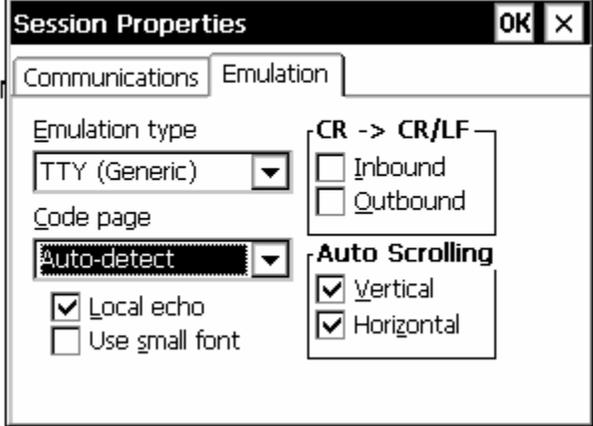
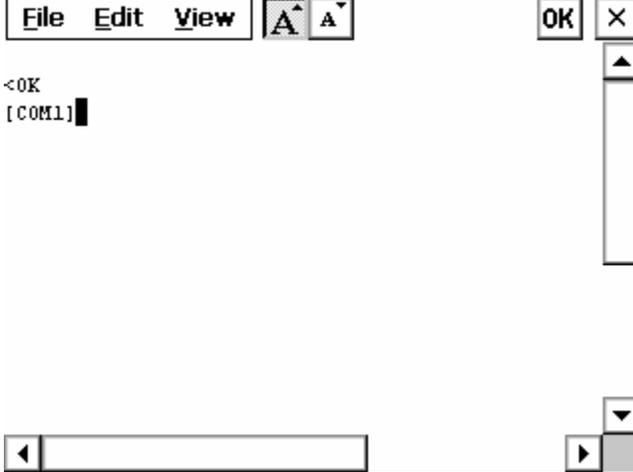
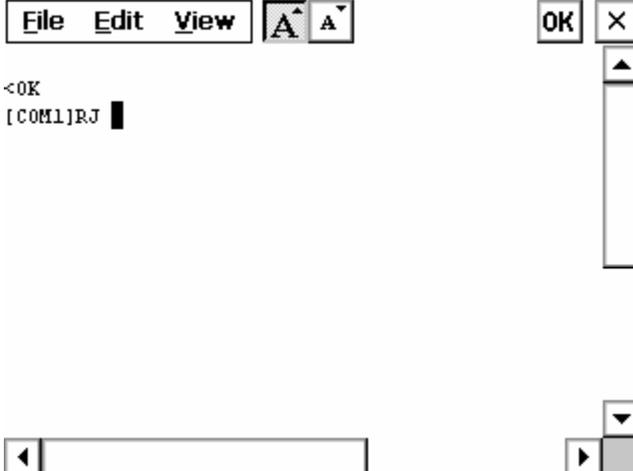
FieldGenius needs to connect to the Radian IS at 38400 for optimal performance. The default baud rate for the Radian is 9600 and can only be changed using a Terminal program.

Connect your radian receiver to one of the com ports on your data collector, usually COM 1.

On your Windows CE device, start the Terminal program by going to Start → Programs → Communication → Terminal.

Double tap the “Make New Session” icon, name it “9600”.

	<p>On the Session Properties - Communication page match the settings shown.</p>
	<p>Press the <b>Configure</b> button.</p> <p>Set your port settings to match the following.</p> <p>On the call options page, leave it set to the defaults.</p>
	

	<p>On the Session Properties - Emulation page match the settings shown.</p>
	<p>Now start the program by double tapping the connection you just created.</p>
	<p>You will see a "terminal" screen. Type the following command:</p> <p><b>UNLOGALL</b></p> <p>If you do not see what you're typing, just be careful not to misspell it. After you type it in, press <b>enter</b>.</p> <p>If you're successful you will see <b>OK</b> on the screen.</p>
	<p>Now type in:</p> <p><b>COM COM1,38400,N,8,1,N</b></p> <p>If you do not see what you're typing, just be careful not to misspell it. After you type it in, press <b>enter</b>.</p> <p>If you're successful you will see <b>RJ</b> on the screen.</p>

You now need to re-connect with Terminal to your Radian, this time using a connection speed of 38400 baud. You can make a new terminal connection using the instruction above, but instead of setting the port speed to 9600, set it to 38400.

When the Radian is connected to your data collector, the battery charging light on the data collector may come on, indicating that the data collector is drawing battery power from the Radian to charge its own batteries. It has been reported that this shortens the battery life of the Radian from 4 hours to about 3 hours. To turn this charging process off, issue the command **VOUT COM1 OFF OFF** then press **Enter**. With this turned off, the battery life of the Radian returns to the expected 4 hours.

You now need to save this configuration. To do this, you need to enter the command **SAVECONFIG** followed by **Enter**. If you are successful you will see a message that says **OK**. (Note: This step can also be accomplished by connecting FieldGenius to the Radian, and then Disconnect from the Radian from within FieldGenius. On disconnection, FieldGenius instructs the Radian to perform this SAVECONFIG command.)

You can now try connecting to the rover with FieldGenius at baud rate of 38400.

Note, when turning off the rover. Don't hold the power button down for more than 10 seconds, otherwise the port could be reset back to 9600.