HOW TO GET AN IP-223 INTO SOIP MODE FOR TRBO RADIOS WITH THE TSM
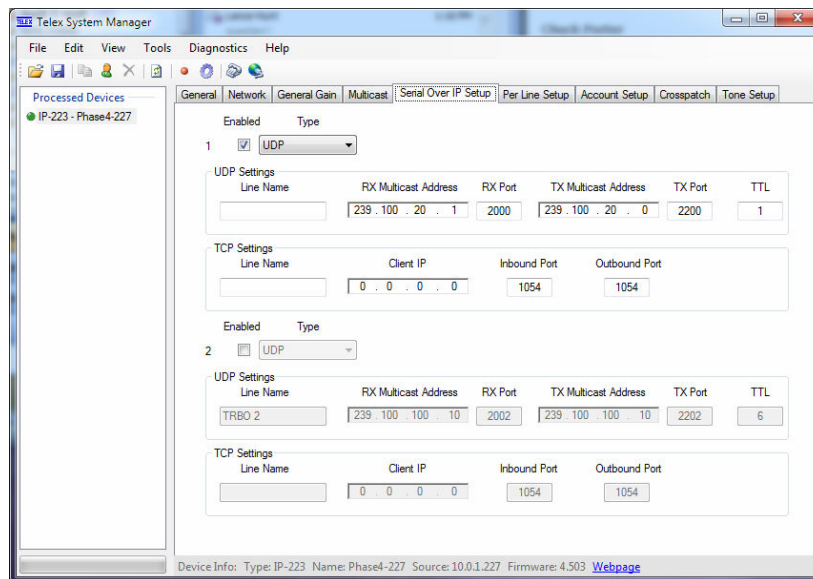
8/7/2013

Dave Grant

During a TRBO installation it is possible for the IP-223 to not go into SOIP Mode. If the IP-223 doesn't display SOIP on the front display right after reboot, TRBO will never work.

There is a way to fix this.

Use the TSM to configure the IP-223 to Serial Over IP settings for your installation and in accordance with the MTRBi installation guide. It may look similar to what is shown below.

In this case I have chosen to configure Line 1 for TRBO by enabling Serial Over IP on Line 1 and choosing UDP for the Type.
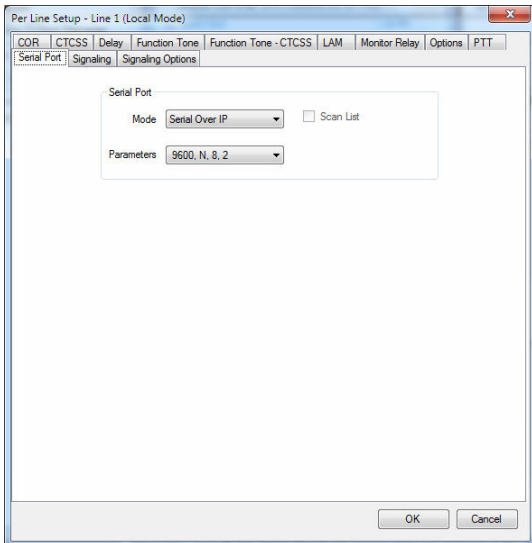

Once all of the settings have been configured and the IP-223 has been restarted, does it show SOIP on the IP-223 front display?
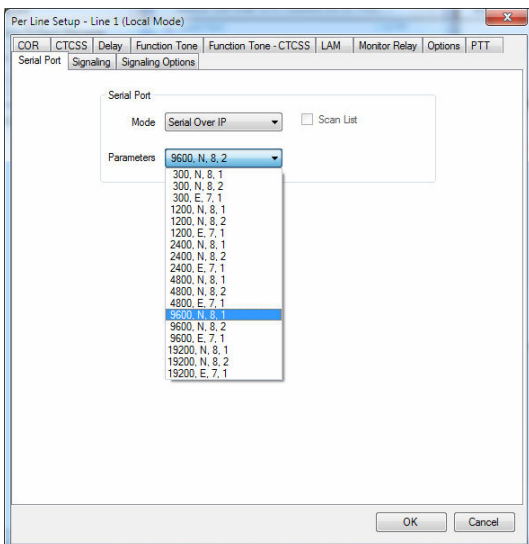
No? read on.

This problem happens because the IP-223 has not updated the RS-232 processor that talks to the MTRBi.

To fix this problem, open the IP-223 configuration in the TSM and go to the desired Line's Per Line Setup and click the Serial Port tab.
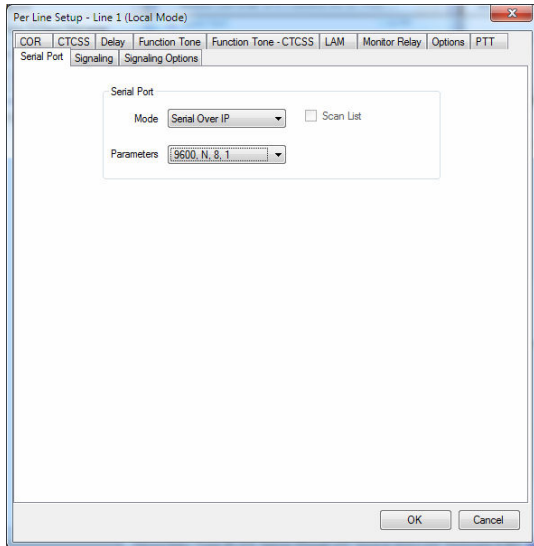
It should like the example below, with 9600,N,8,2 in Parameters:

Change the Parameters value to 9600,N,8,1 by clicking the arrow and selecting from the list, as shown in the example below.

It should look like the example below and showing the Parameters set to 9600,N,8,1.

Now click OK and save the configuration to the IP-223.

When the IP-223 reboots, it should display SOIP on the front display.

Now we must reset the Per Line Setup | Serial Port | Parameters setting back to 9600,N,8,2 by reversing the process you just went through. Be sure to set the Parameters back to the proper setting, or TRBO will not work.

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For more information contact Dave Grant at dgrant@hostnw.net or call 425.402.7308. Visit our website at www.phase4.org.

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