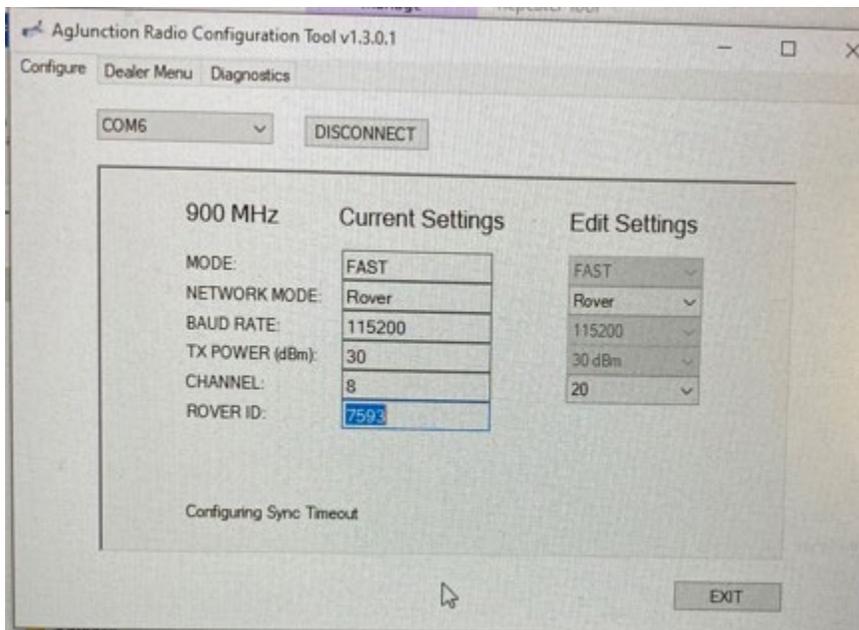# Making Changes to Rover Radio Using Radio Configuration Tool

When making a change to a Rover Radio using the Radio Configuration Tool, make your changes to the channel, BAUD rate, NMEA, mode, etc. The Configuration Tool may say "Configuring Sync Timeout".

In this example we will be looking at changing a channel on a P400 radio. When you select the channel, the tool configures then times out. If you reconnect, you will notice the channel has changed on the Rover. In the case below the user reconnects and it will be on channel 20.
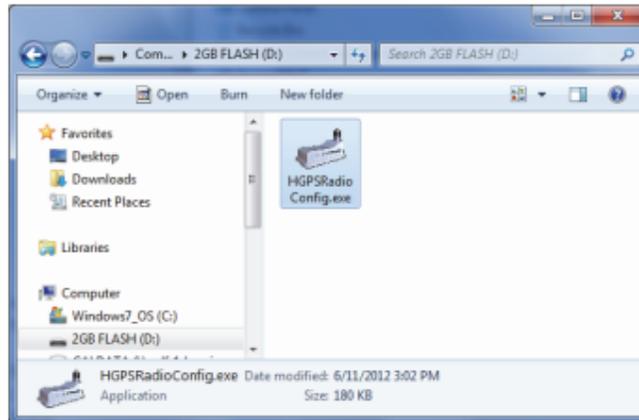

The user must wait 3 – 5 minutes after clicking config. Choose channel on right side. Press config - The radio config tool will go to sync timeout – then wait for it to display a progress bar across the bottom of screen saying erasing freq – programming, etc. The configuration tool will eventually go to complete. Exit from the tool and the channel will be configured.
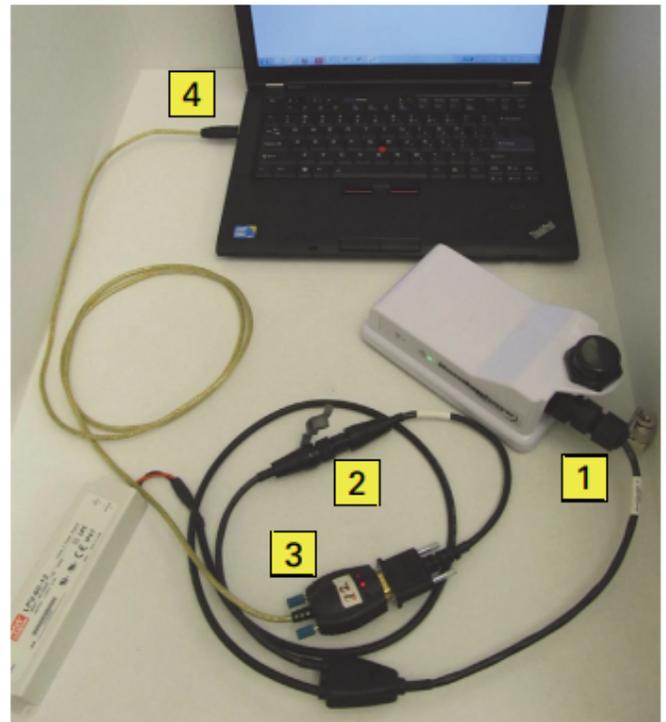
Use the directions below to hook up to your radio.

To connect to your repeater:

1. Copy the HGPSRadioConfig.exe file from the USB flash drive (shown below) to your computer (preferably to your desktop).
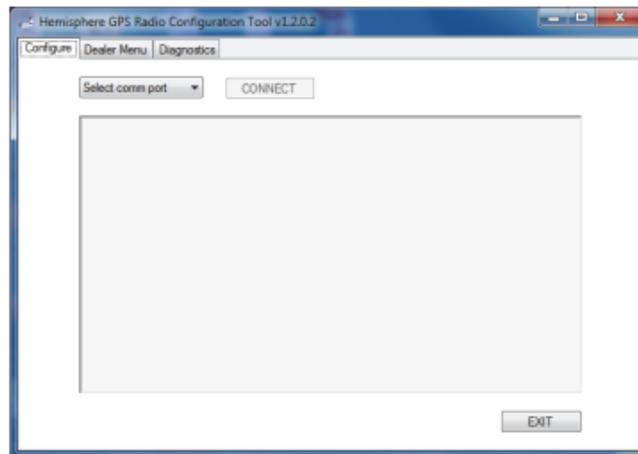

2. Connect the 18-pin connector of the power/data cable to the repeater (#1 in photo) and connect the 3-pin connector of the power/data cable to the serial adapter cable (#2 in photo).

3. Connect the serial end of a serial-to-USB cable to the serial adapter cable (#3 in photo) and connect the other (USB) end to an available USB port on your computer (#4 in photo).

4. Power up your repeater.

   - For the fixed kit, plug the power cable into a power outlet.

   - For the portable kit, connect the power cable alligator clips to the battery.

   The repeater's power LED illuminates and the repeater's signal LED blinks.

5. Double-click the HGPSRadioConfig.exe icon on your desktop (or where you copied the .exe file in step 1). The Hemisphere GPS Radio Configuration Tool starts and appears as below:

6. Click **Select comm port**, select the desired port, and then click **CONNECT**.

Several comm ports may appear in the Select comm port drop-down. If you are not sure which one is correct, try the following:

a. Write down a list of the comm ports available in the drop-down.

b. Unplug the serial-to-USB cable from your computer.

c. Close and then restart the application.

d. Review the list of comm ports in the drop-down, making note of the comm port that no longer appears in the list.

e. Close the application.

f. Plug the serial-to-USB cable into the computer and restart the application. The comm port that has again become available is the one being used by your repeater.

Once successfully connected the application should appear similar to below. You are now ready to configure your repeater.