Setting Up

Radio Settings

The software used to generate/process digital data works best when there has been no alteration of the generated/received audio by the radio. They generally require the following radio settings:

- All noise filtering be turned off. Includes Noise Blanker (NB), Noise Reduction (NR) and Notch Filtering.

- Speech processing (compression) should be turned off

- Generally, use the widest receive and transmit filter settings. This might change if your signal of interest is near a very strong signal

- Squelch should be set so that it does not cut off any audio.

- Preamp and attenuators should be off.

- On some radios, like the IC-7300, multiple configurations of settings can be saved. The IC-7300 must be at firmware version 1.41 or above. One setting not saved is power.

Identifying interfaces on your computer

- You may need a driver for your radio. For the IC-7300, it is available on their website.

- The PTT function will normally be performed via a COM port. You will need to identify the port associated with your radio. The easiest way to do this is:

  - Open the Device Manager by typing Dev in the search window. If not in an Administration account, you will get a warning, this is OK. Click OK to open.

  - Click on the Ports tab to expand. Look at the current defined ports. Plug in the cable to the radio to see the new port that is added.

  - Record this port number.

- You will need to perform a similar action to identify the name of the sound card interface.

  - Click on "Sound, video and game controllers". Plug in the cable to the radio to see the new sound card interface that is added.

  - Record the name of this interface.