



Internet Radio Linking Project (IRLP) Wiki

Keeping the Radio in Amateur Radio

Record your audio files.

To record the audio files, which identify your node to others, you must use a sound recorder. The windows sound recorder works quite well (sndrec32), although using an advanced one is much better. Some options of advanced sound recorders are Sound Forge and CoolEdit.

To start, you should download the following sample files onto your computer:

<http://www.irlp.net/samples/stnXXXXon.wav> [<http://www.irlp.net/samples/stnXXXXon.wav>] ←-Link On File

<http://www.irlp.net/samples/stnXXXXoff.wav> [<http://www.irlp.net/samples/stnXXXXoff.wav>] ←-Link Off File

These files will be used for reference of audio quality and level. These are actually sample files for one of the Toronto nodes (VE3RAK).

To use the Windows Sound Recorder, open it up, and click FILE, NEW. With your microphone connected, record a test file. Play it back a few times until you get a nice sound out of the recorded file.

To save, go to FILE, SAVE AS, and click the “Change” button. Under Attributes, select the TOP option (PCM 8,000 Hz, 8 Bit, Mono) and click OK. Enter the file name and save the file.

If you are using another program, ENSURE the final saved files are 8000Hz, 8 Bit, MONO, encoded as Windows PCM (NOT ADPCM). Any other format will not be accepted, and you will not be able to upload the files.

Record two files like the two samples you have that are of similar volume and quality. The files should be named like the samples, just with your NODE ID in the place of stnXXXX. You must then copy the two files to the node, and run the send_wave_files script.

The files can be copied in a couple of ways:

- 1) By USB flash drive - Place the files on a USB flash disk, and place the USB flash disk on the node.
- 2) By network file transfer - By using a program like WinSCP, you can transfer the two files onto your node computer's /tmp directory using a network connection.

The files can only be uploaded AFTER your PGP key from the install has been installed, so you may have to wait a bit. The files are installed by logging in as root and using the script:

```
/home/irlp/scripts/send_wave_files
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If you have problems updating the files, and you are sure they are in the right format, please attach the two files to an email to installs@irlp.net, and we can update them for you.

Be sure to follow the directions in the script and keep the following in mind when making the files:

- Ensure they are not too long (no longer than 10 seconds each).
- Be quick and to the point. Long ids and voice delays are boring to listen to.
- Do not include music, copyrighted material, suggestive phrases, or anything considered “questionable” to amateur radio.

