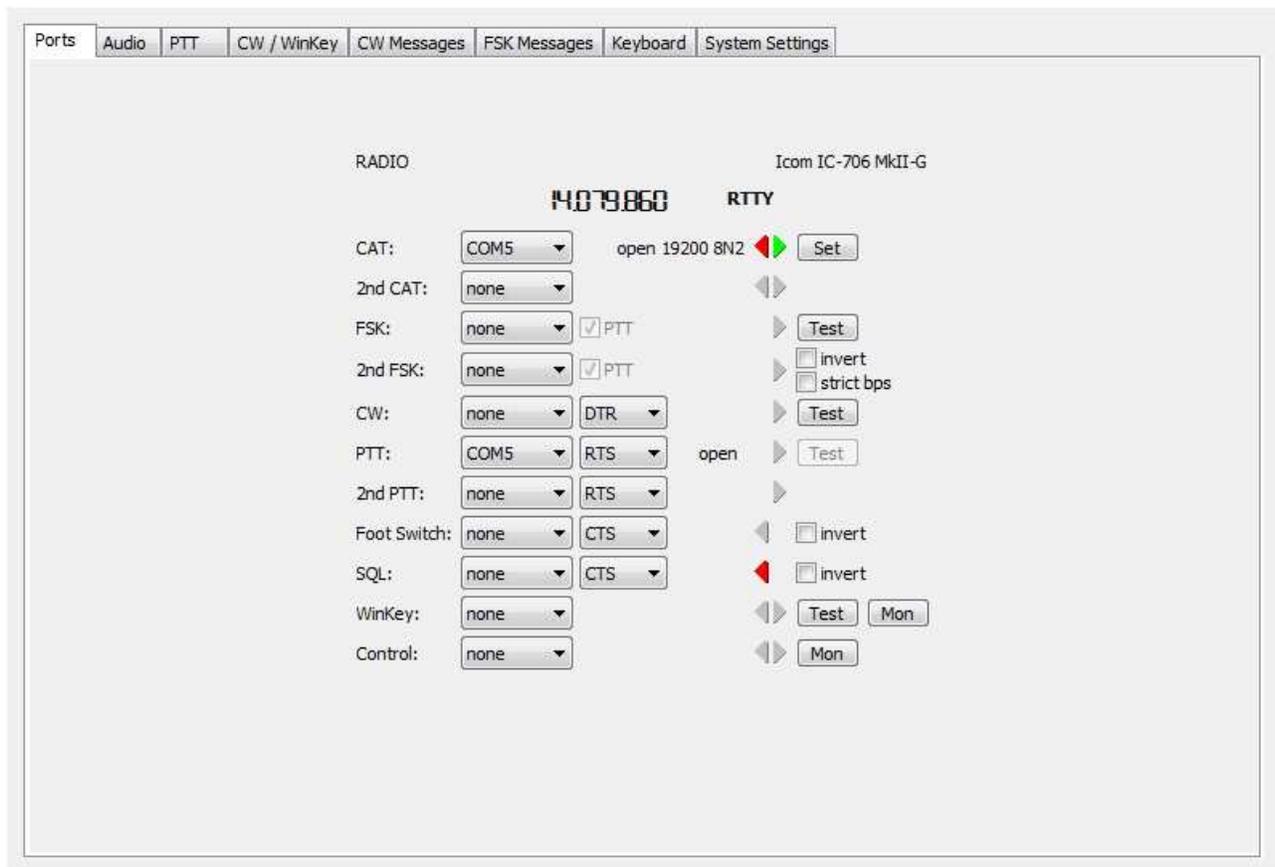


DigiKeyer II and FLdigi Setup

Router setup:

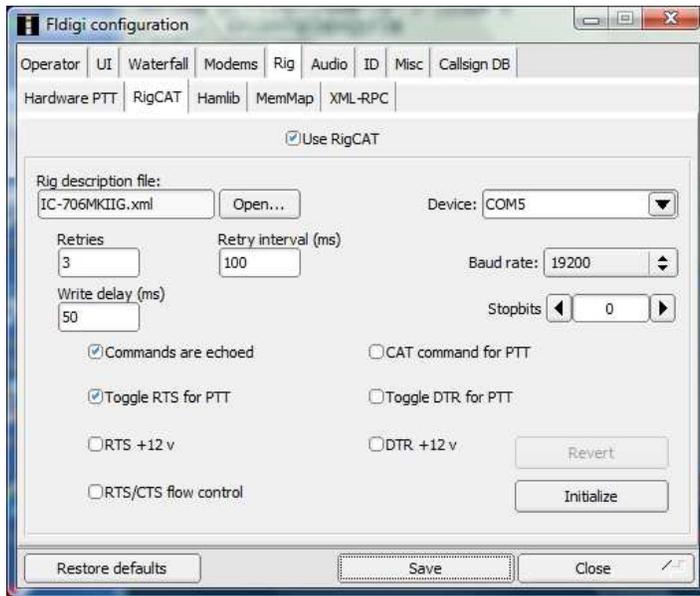
Note: The absolute port numbers do not matter. The key is consistency - the same port number must be used for a specific function every time it is used.

1. Assign a virtual port for radio control. It may be best to use the 2nd CAT port so FLdigi can run at the same time as your logging program.
2. Use the same port for PTT as you used for FLdigi radio control. Again, it might be best to use the 2nd PTT port.
3. FLdigi does not support computer generated CW, FSK or WinKey. Those ports are available for use with your logging program.



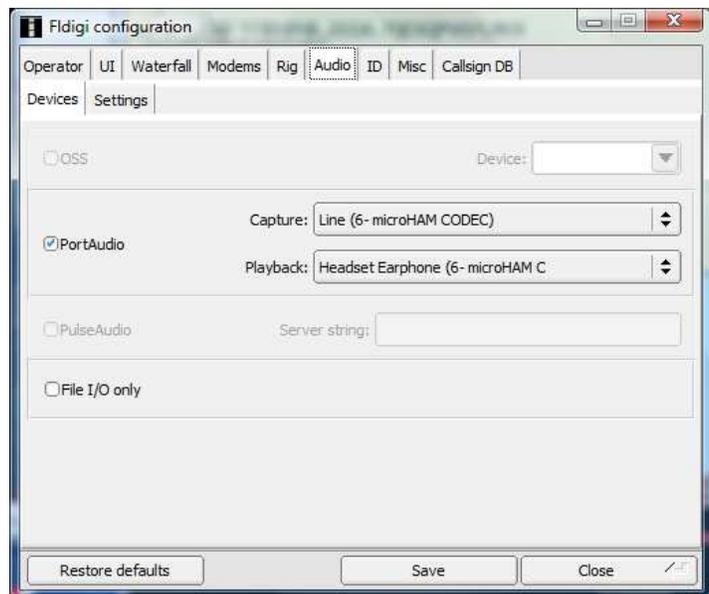
4. On the **PTT** tab, **uncheck** "Sound card PTT".
5. Save the settings to a preset by selecting **Preset | Save as**. Choose a position and name it FLdigi.

FLdigi setup:



1. Click **Configure | Rig Control ...**
2. Select the RigCAT tab
3. Download the "Rig description file" (xml file) for your transceiver from: <http://www.w1hkj.com/xmlarchives.html>
4. Click "Open" and select the file you downloaded.
5. check "Toggle RTS for PTT"
6. Set "Device" to the port you defined for CAT and PTT in Router and set the data rate as needed for your rig.
7. Click Initialize
8. Select Save and Close

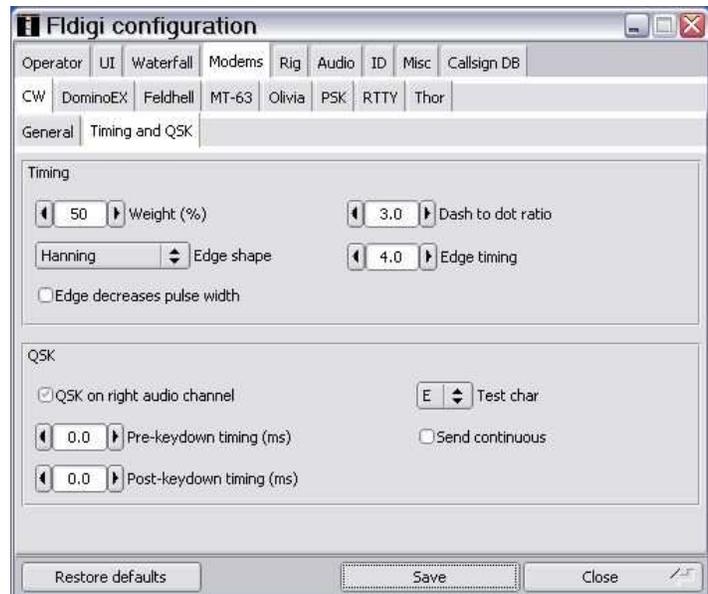
9. Click **Configure | Sound Card ...**
10. Select "PortAudio"
11. Set Capture (Audio Input) to Line (microHAM CODEC)
12. Set Playback (Audio Output) to Headset Earphone (microHAM CODEC).
13. Click Save Config and Close.



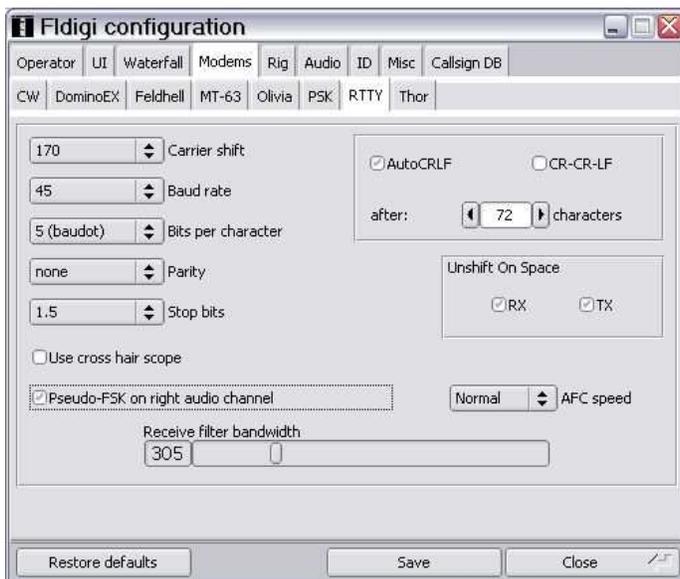
CW Operation

In normal CW operation in FLDIGI generates an audio tone on the soundcard output which is used to modulate the transceiver in SSB mode. FLDIGI provides an alternative to modulated CW called "QSK CW" which places the tone on the soundcard right channel. USB Interface III detects that tone and converts the pulses to normal closures on the CW output which allows the transceiver to be operated in the normal CW mode with narrow filtering.

1. Enable q-CW in DigiKeyer II by checking q-CW on Router's Audio tab.
2. Click **Configure | Modems | CW | Timing & QSK ...**
3. Check "QSK on right audio channel"
4. Set Pre-keydown timing to 0.0
5. Set Post-keydown timing to 0.0
6. Click Save



FSK RTTY



Normal RTTY operation in FLDIGI is AFSK. However, USB Interface III can detect the "Pseudo-FSK on right audio channel" option to provide a keying signal for FSK operation.

1. Enable p-FSK in DigiKeyer II by checking p-FSK on Router's Audio tab.
2. Click **Configure | Modems | RTTY ...**
3. Check the "Pseudo-FSK on right audio channel" option
4. Click save.

Note: for q-CW and p-FSK to operate correctly, the right channel Master and Wave levels must be set to 100% in Router's Audio Mixer tab (or Vista/Windows 7 Audio Set-up for FLDIGI and microHAM CODEC).