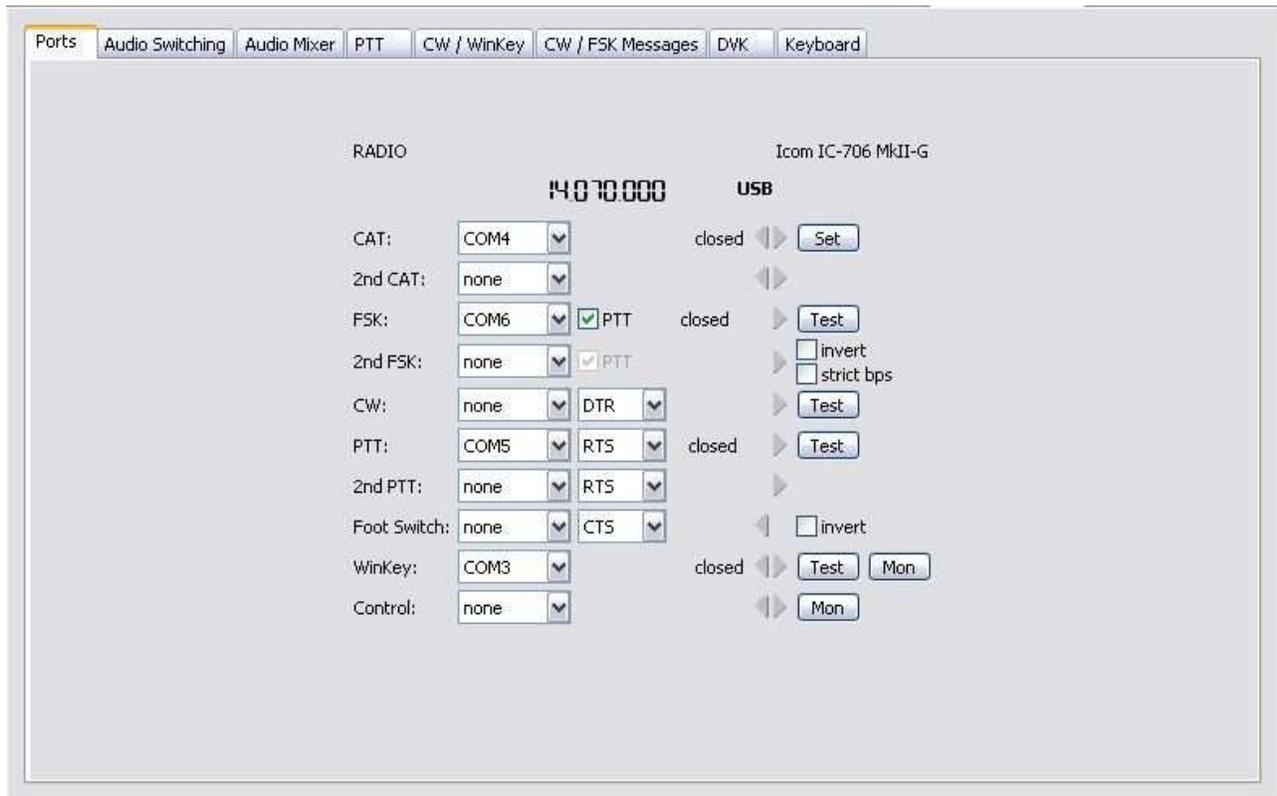


microKEYER and WinWarbler Setup

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 the radio control virtual COM port (radio control is optional). Click the **Set** button and select the radio from the drop down box. Uncheck the **Disable router queries** box.
2. Assign a port for WinKey.
3. Assign a port for FSK – check the PTT box.
4. Assign a port for PTT.



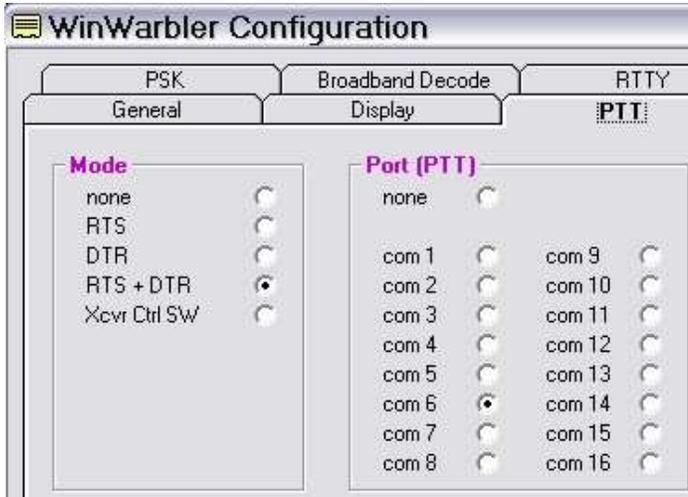
5. If you have enabled Radio Control, select **Follow radio** mode on the **Audio Switching** tab. Use ACA for **Voice** Modes. If you do not intend to use WinWarbler for Phone - use AAA. Otherwise, **Fixed** (BBB) is appropriate for most CW and Digital operation.
6. If you have enabled Radio Control select **Follow Radio Mode** on the **PTT/FSK** tab. For CW/VOICE select **PTT1 immediate** and for FSK/DIGITAL **PTT2 delayed**. If you operate QSK in CW select **No PTT** for CW. With no radio control select **PTT2 delayed** for Digital modes.
7. Save settings to a preset by selecting menu **Preset | Save as**. Choose a position and name it WinWarbler.

WinWarbler setup:

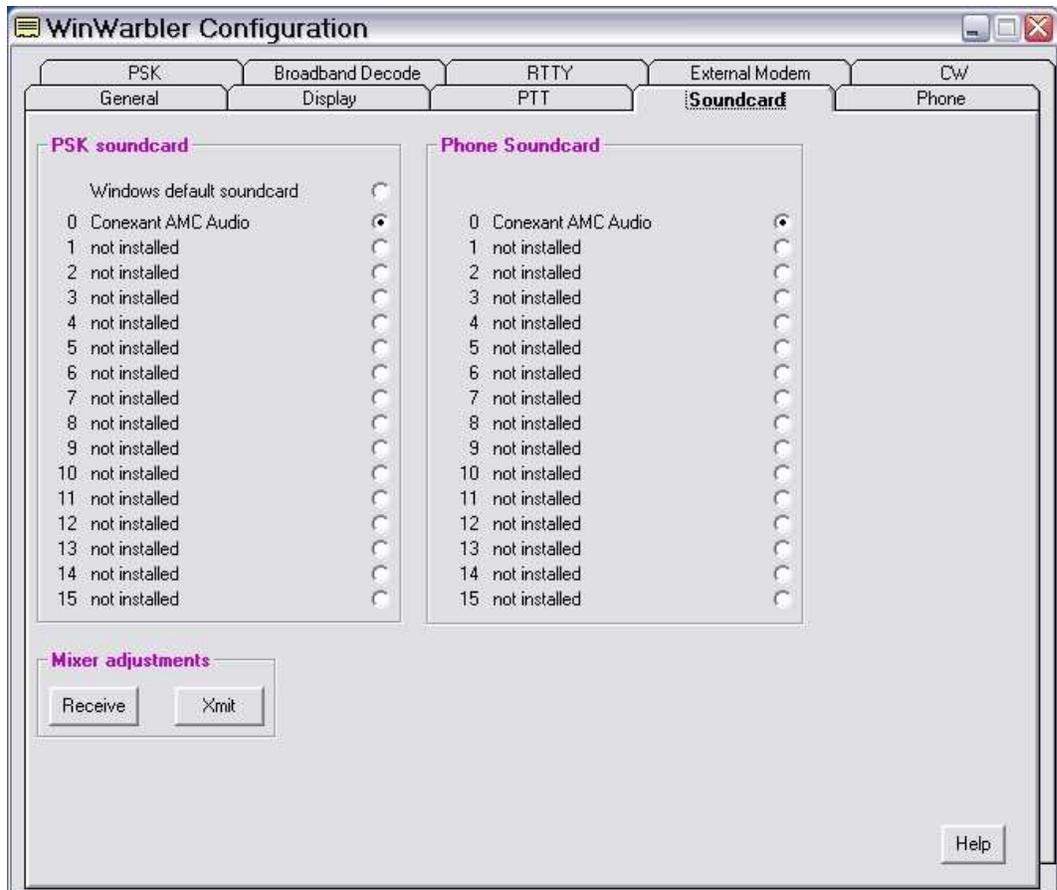
Note: It is important to execute the following steps in order. Otherwise PTT, FSK and CW sharing will not operate properly.

This configuration is for WinWarbler in stand-alone mode. To configure and run WinWarbler with Commander and the rest of the DXLab Suite, see the separate *microKEYER and DXLab Suite Setup Guide*.

The user has the option to configure WinWarbler for either FSK or AFSK. Configuration information is provided for both options.

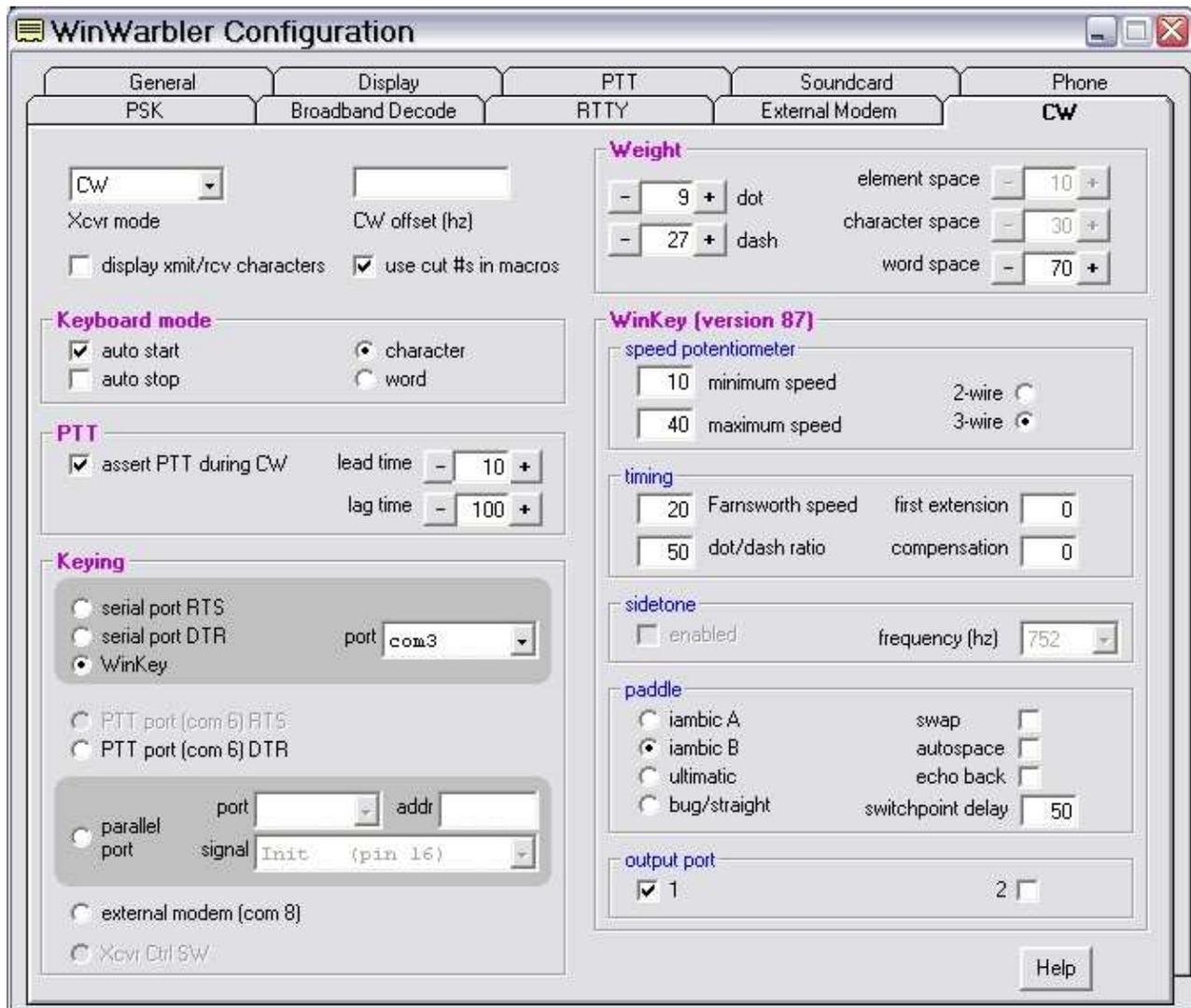


1. Click **Config** and select the **PTT tab** ...
2. Select "RTS + DTR" as the Mode.
3. If you plan to use FSK, set "Port" to the port you selected for FSK. Otherwise, set "Port" to the port you selected for PTT.
4. Select the Soundcard tab
5. Choose the soundcard you will use for PSK and Phone.



CW setup:

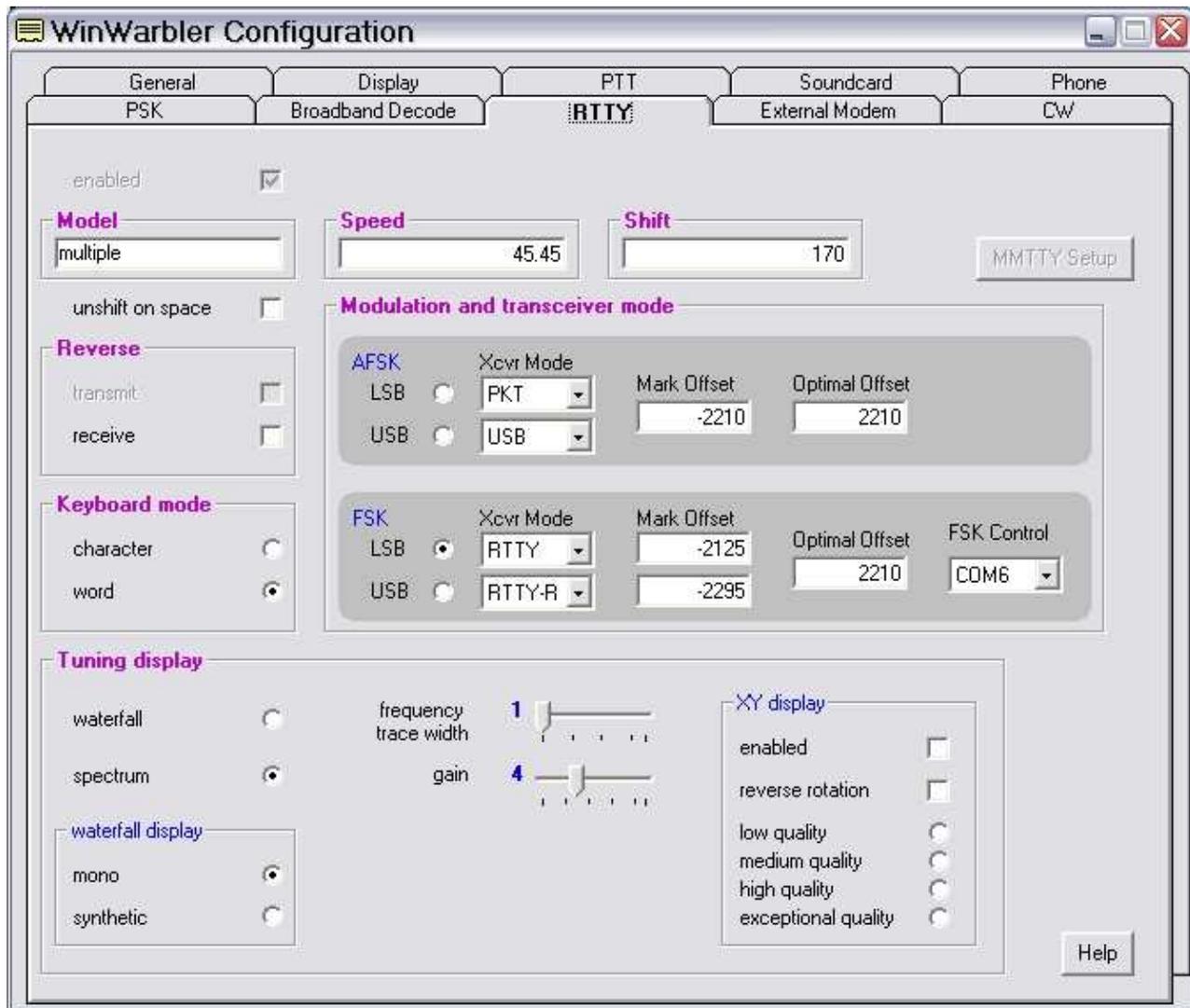
1. Switch WinWarbler to CW Mode
2. Open the WinWarbler's Configuration and select the **CW Tab**.



3. Select **WinKey** in the Keying box and set the Port that you chose for Winkey in Router.
4. Configure the settings you prefer for CW operation including weight, and PTT or QSK operation.

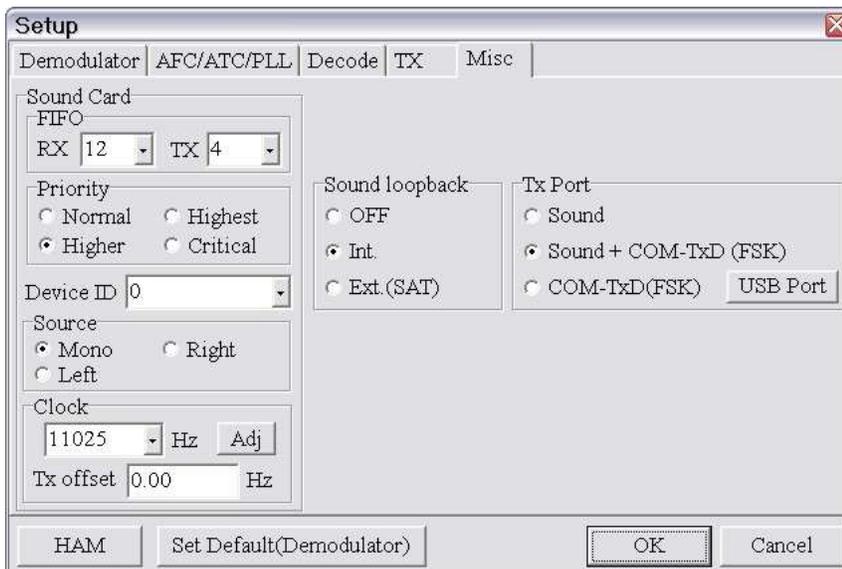
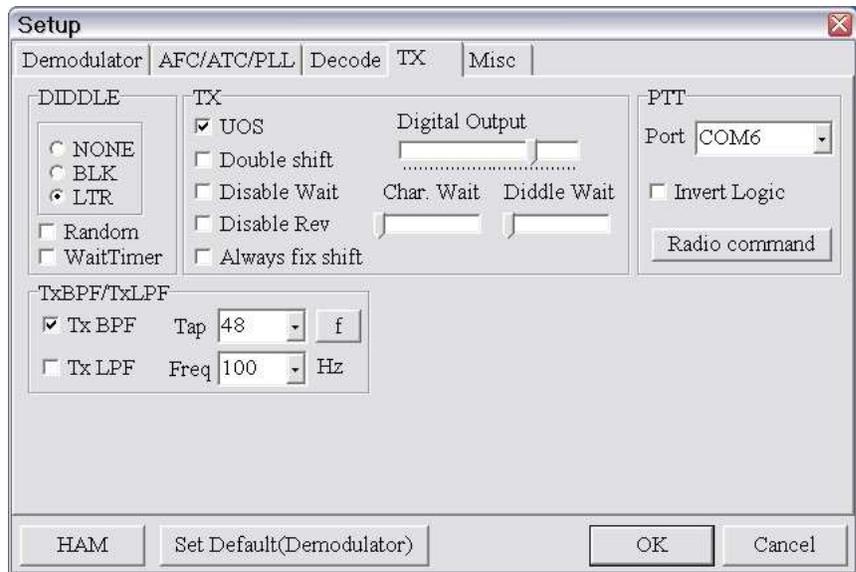
RTTY/MMTTY setup (FSK):

1. Switch WinWarbler to RTTY mode.
2. Click **Config** and select the **RTTY tab ...**



3. Configure the FSK Settings as needed by your radio
4. Set FSK Control to the port you selected for FSK in Router.

- Click **Config** and select the **RTTY tab ..**
- Click on the **MMTTY Setup** button ...
- Select the **TX Tab ...**
- Select the Port you configured for FSK in Router's Ports Tab in the PTT box.
- Select the **Misc Tab ...**



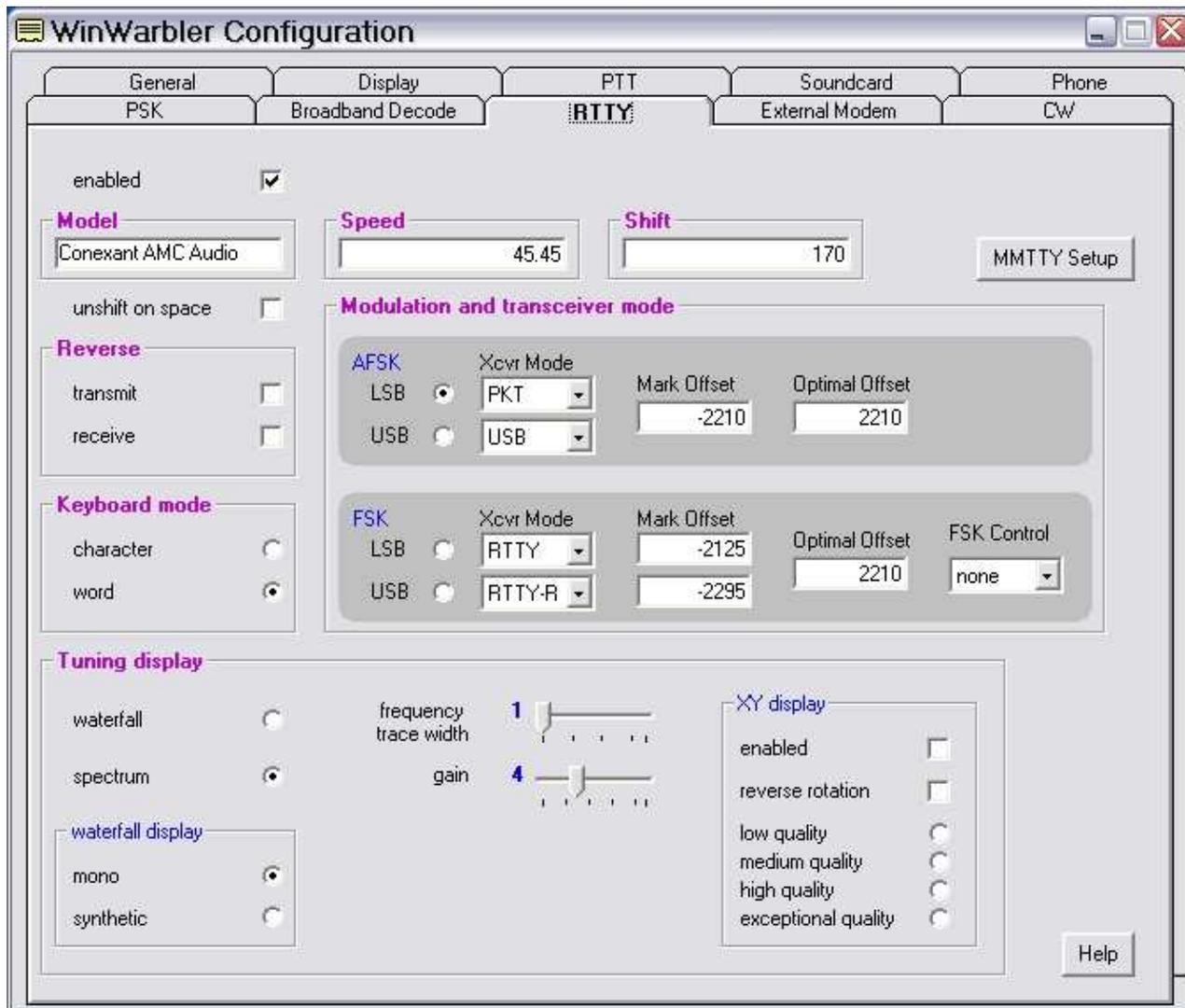
- Select Source **Mono**
- Set Clock **11025**
- Select the proper sound card **Device ID**
- To obtain the proper ID, click **Get ID** button at the Router **Audio Mixer** tab or from WinWarbler's **Soundcard** tab.
- Select COM-TxD (FSK) for the TX Port. If you want the option to switch between AFSK and FSK, select Sound + COM-TxD (FSK)

- Click **USB port** button and choose **C: Limiting speed**



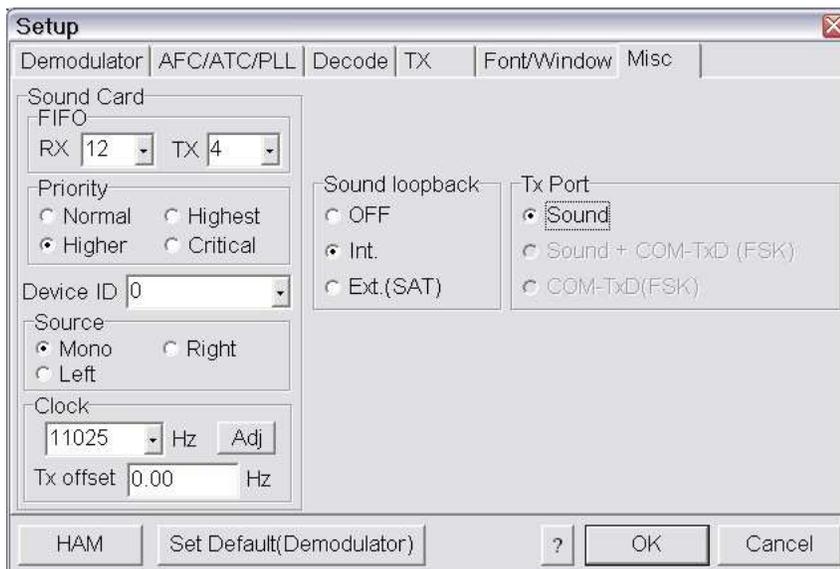
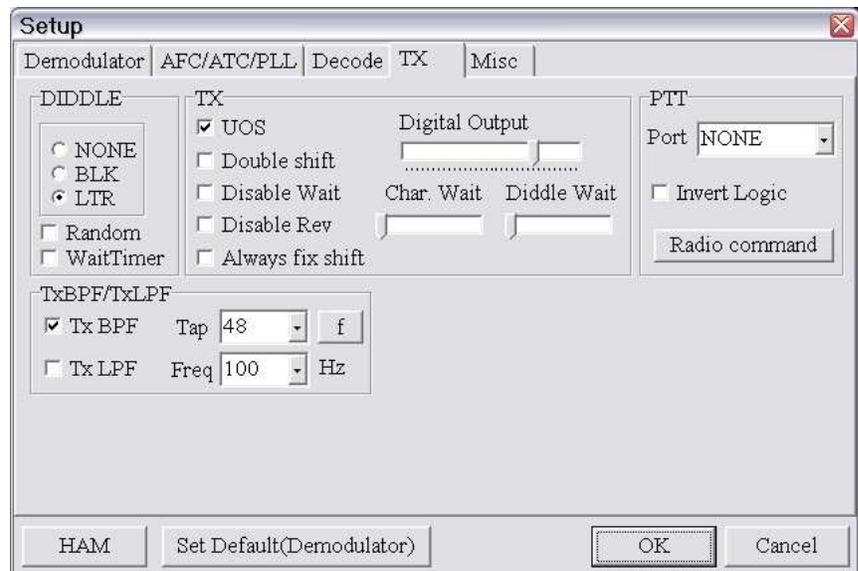
RTTY/MMTTY setup (AFSK):

1. Switch WinWarbler to RTTY mode.
2. Click **Config** and select the **RTTY tab** ...



3. Configure the AFSK Settings required by your radio.
4. Set FSK Control to None

5. Click on the **MMTTY Setup** button ...
6. Select the **TX Tab** ...
7. Select NONE in the PTT Port box.
8. Choose the **Misc Tab**.



9. Select Source **Left**
10. Set Clock **11025**
11. Select the proper sound card **Device ID**
12. The Device ID is available from WinWarbler's **Soundcard** tab or by clicking the **Get ID** button on Router's **Audio Mixer** tab.
13. Select "Sound" as the TX Port.