

# USB Interface III 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).
2. Assign a port for CW – this port is also used for FSK with EXTFSK.
3. Assign the same port for PTT as you assigned for CW.



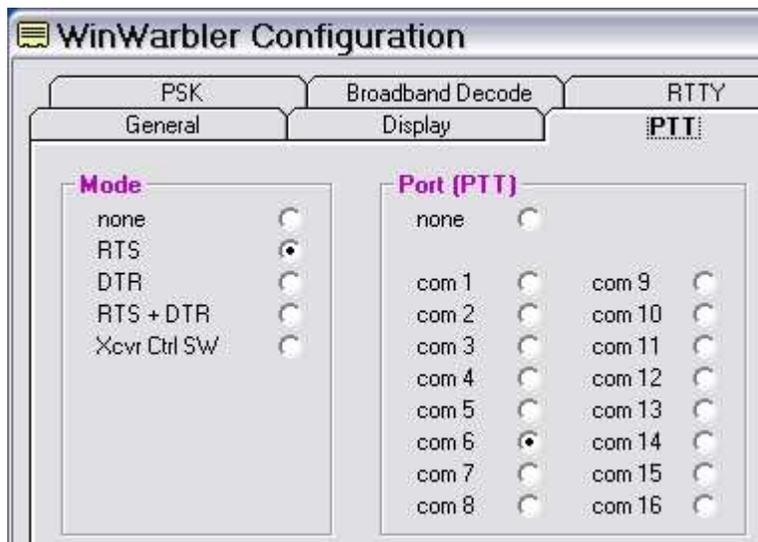
4. Save settings to a preset by selecting menu **Preset | Save as**. Choose a position and name it WinWarbler.

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

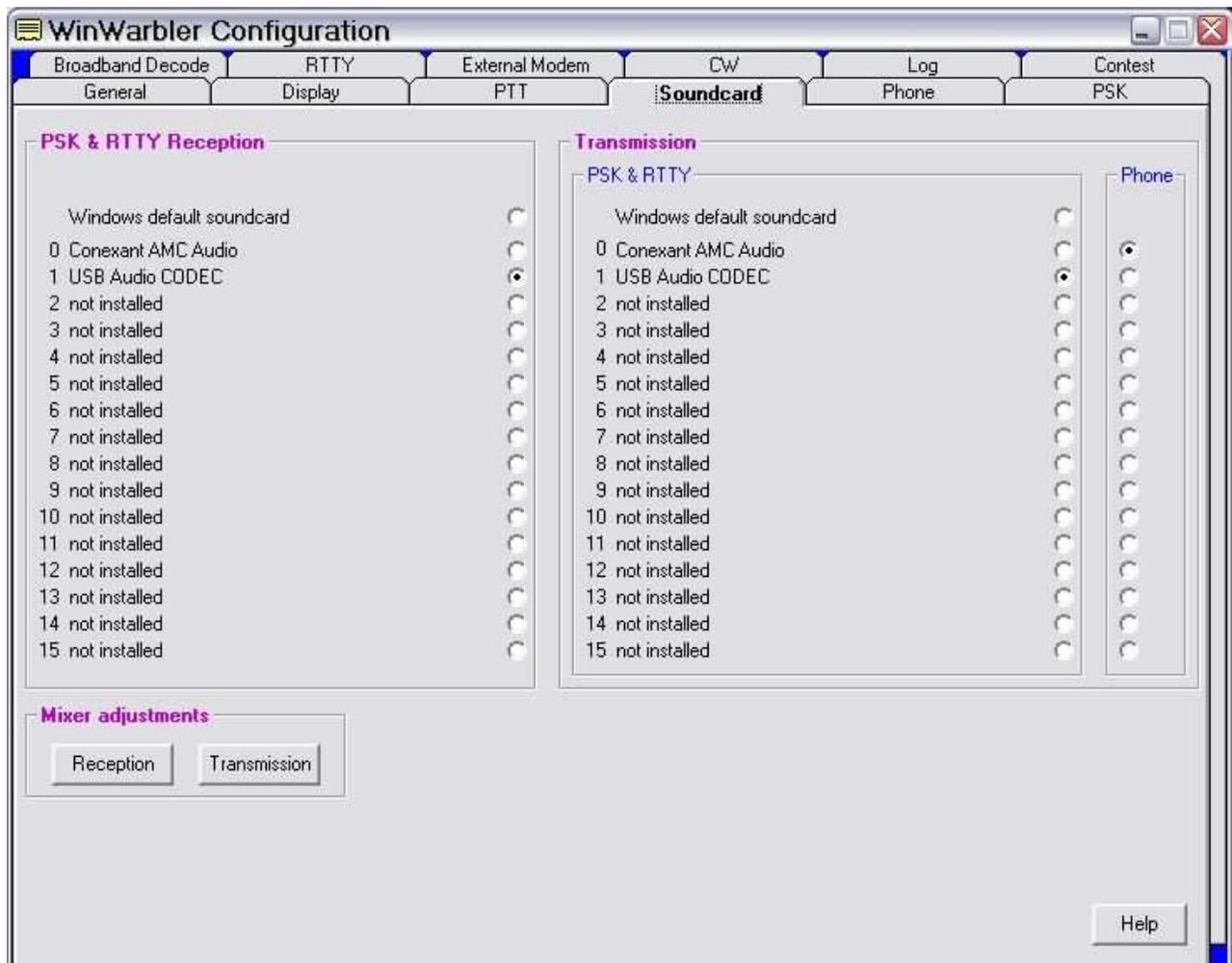
This configuration is for WinWarbler in stand-alone mode. To configure and run WinWarbler with Commander and the rest of the DXLab Suite, see the separate [\*USB Interface III and DXLab Suite Setup Guide\*](#).

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

## WinWarbler setup:

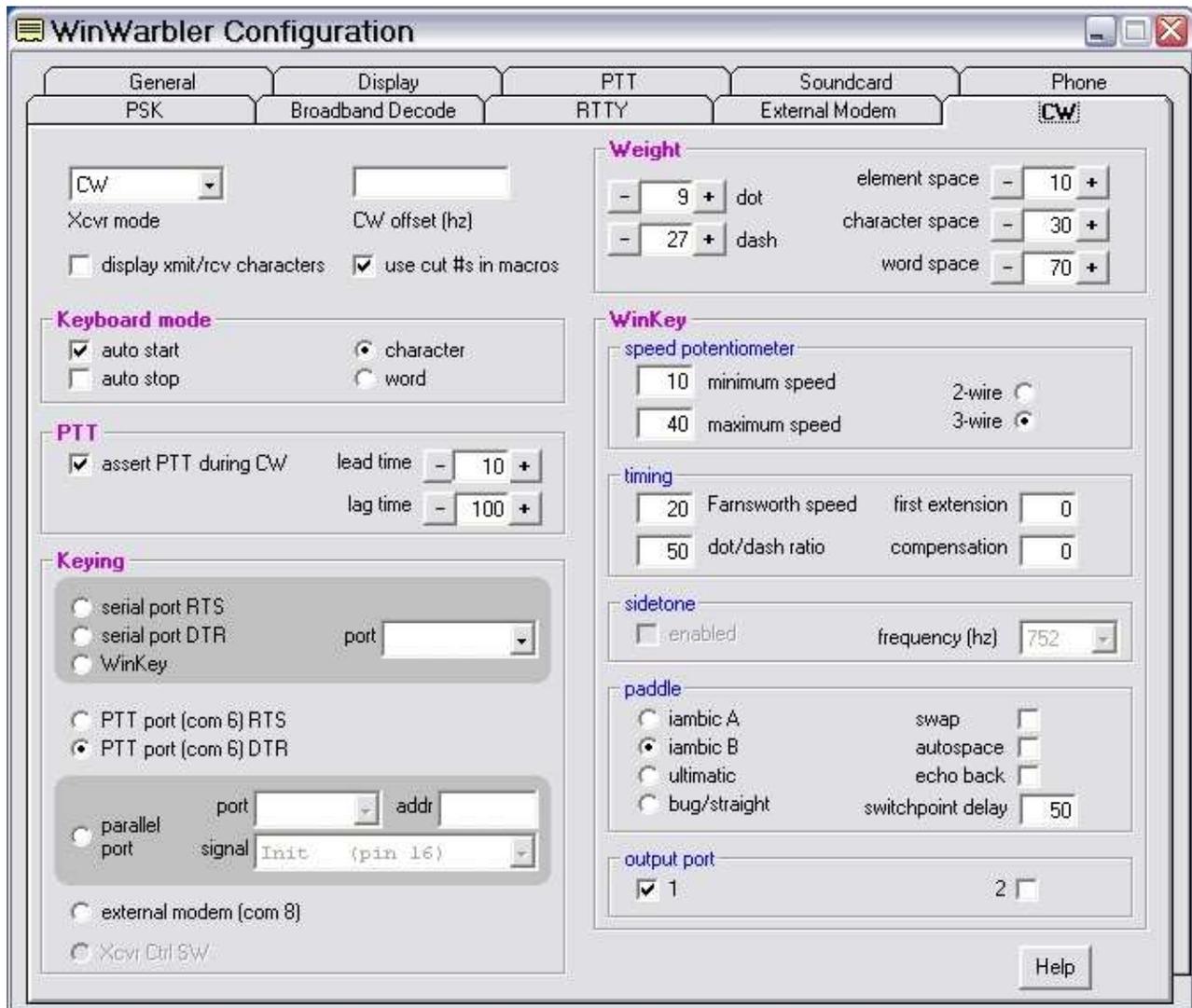


1. Click **Config** and select the **PTT tab ...**
2. Select "RTS" as the Mode.
3. Set "Port" to the port you selected for CW and PTT in Router.
4. Select the Soundcard tab
5. Select USB Audio CODEC for both PSK & RTTY Reception and PSK & RTTY Transmission. Phone (DVK) operation is not supported by USB Interface III.



## CW setup:

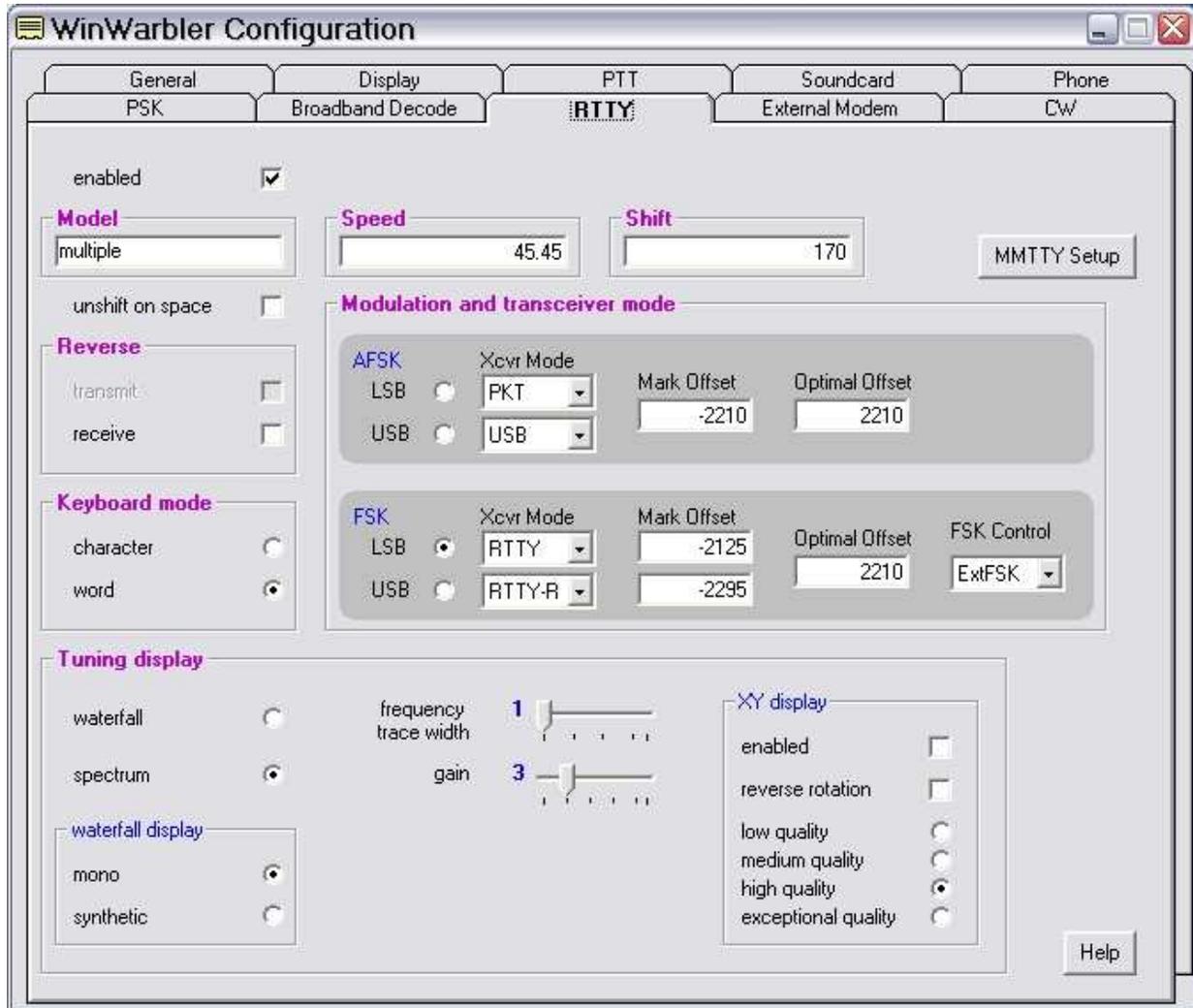
1. Switch WinWarbler to CW Mode
2. Open the WinWarbler's Configuration and select the **CW Tab**.



3. Select **PTT Port DTR** in the Keying box.
4. Configure the settings you prefer for CW operation including weight, and PTT or QSK operation. The WinKey settings are ignored.

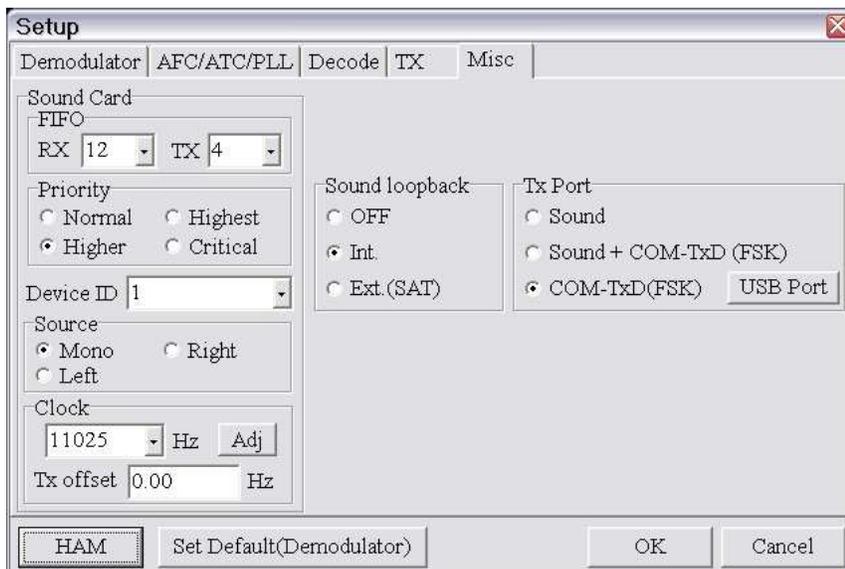
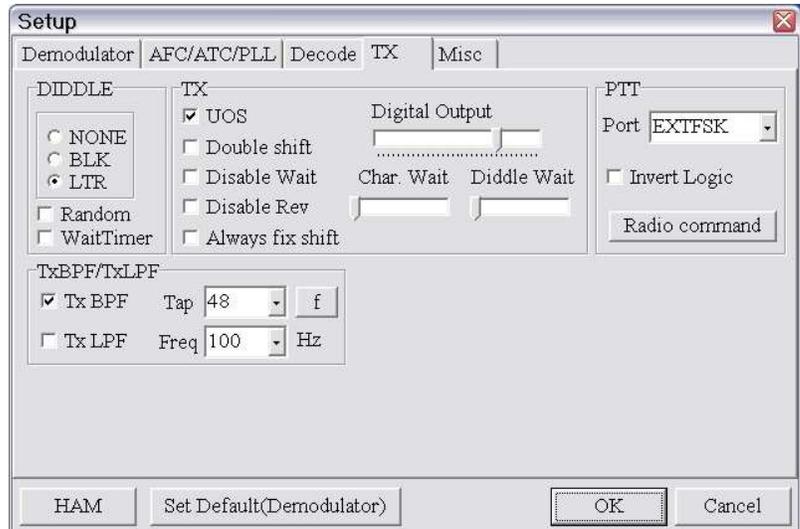
## RTTY/MMTTY setup (FSK using EXTFSK):

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



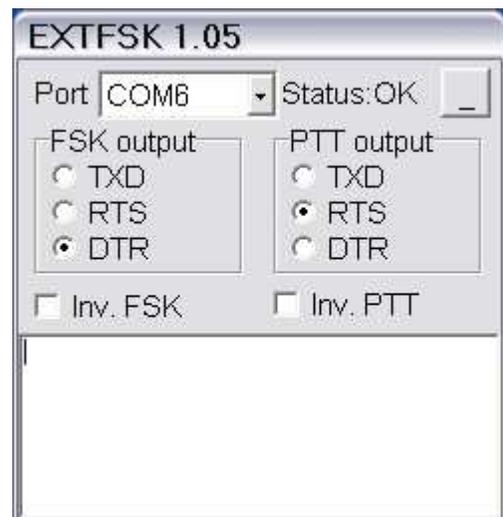
3. Configure the FSK Settings as needed by your radio
4. Set FSK Control to ExtFSK

- Click on the **MMTTY Setup** button ...
- Select the **TX Tab ...**
- Select EXTFSK in the PTT Port box.
- Choose the **Misc Tab**.



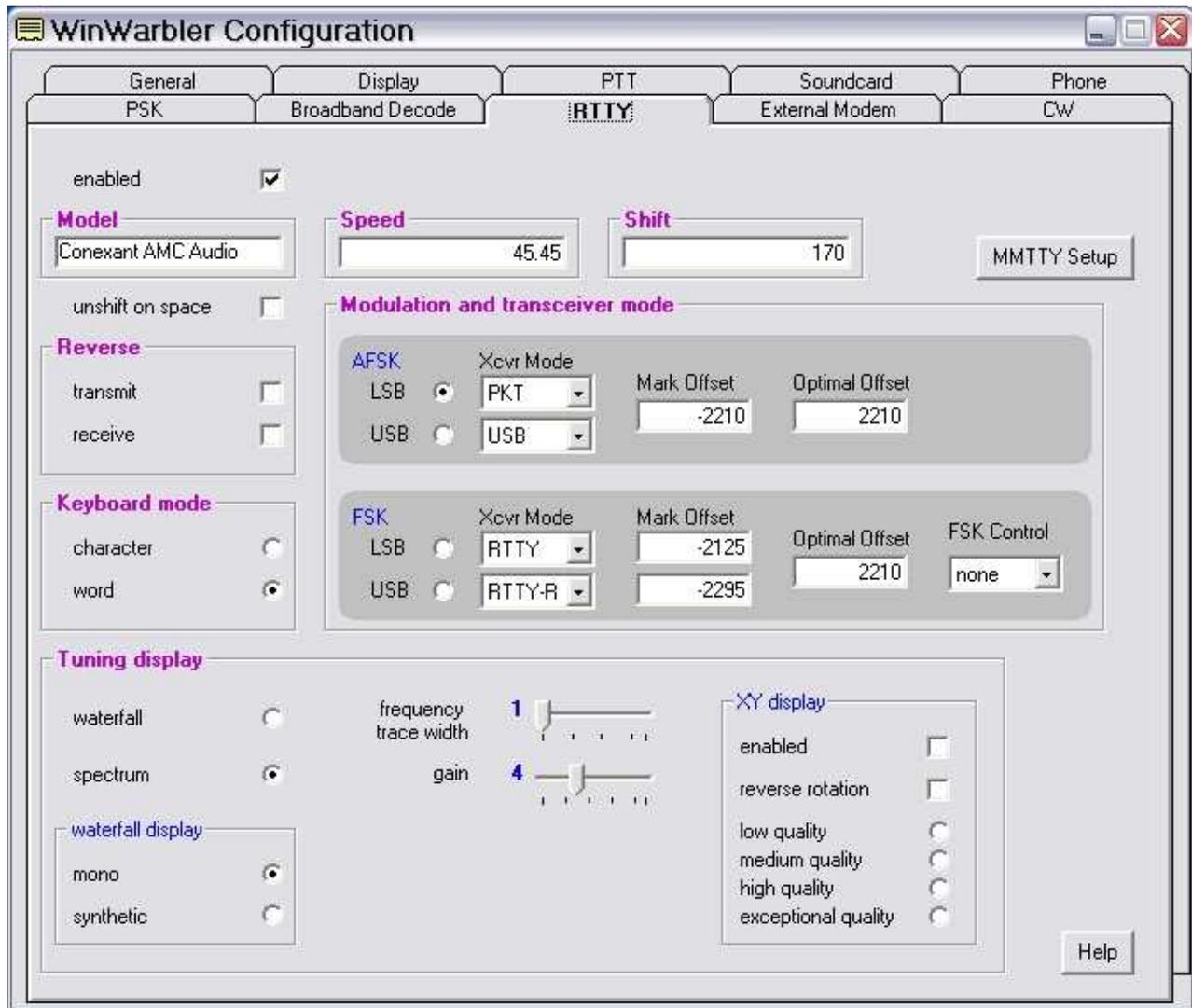
- Select Source **Left**
- Set Clock **11025**
- Select the proper sound card **Device ID**
- The Device ID is available from WinWarbler's **Soundcard** tab or by clicking the **Get ID** button on Router's **Audio Mixer** tab.
- Select "COM-TxD (FSK)" or "Sound + COM-TxD (FSK)" as the TX Port.

- Select the EXTFSK Window (it may be minimized to the Windows Taskbar)
- Select the same port as you set for CW in Router.
- Set FSK Output to DTR.
- Return to WinWarbler Configuration



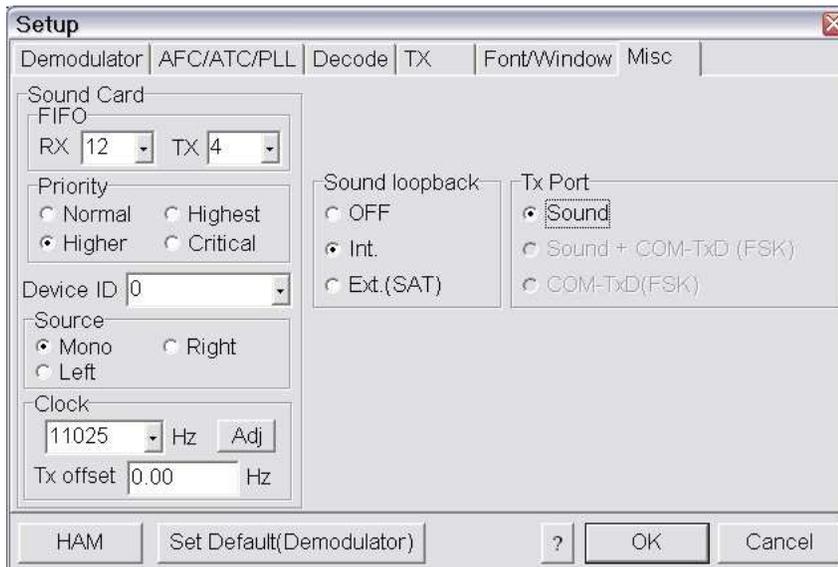
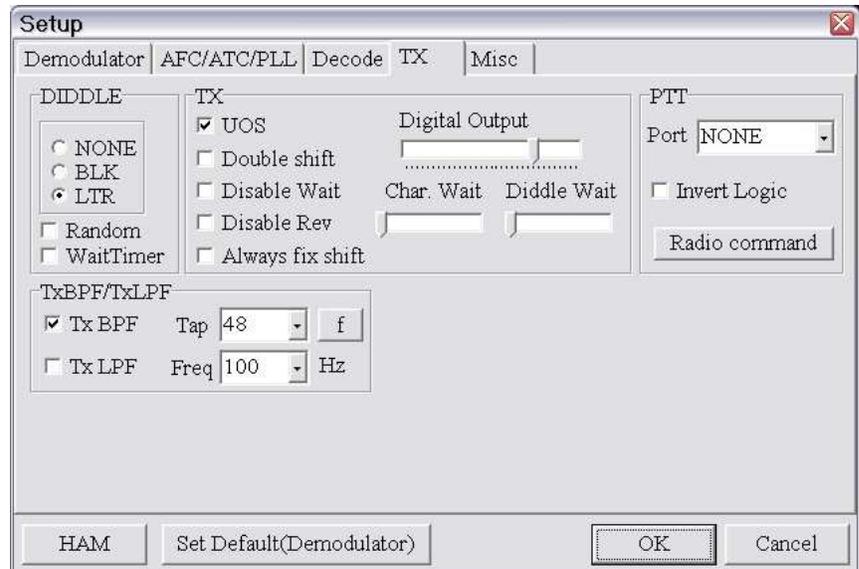
## RTTY/MMTTY setup (AFSK):

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.