

USB Interface III and DXLab Suite 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.
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 Control.



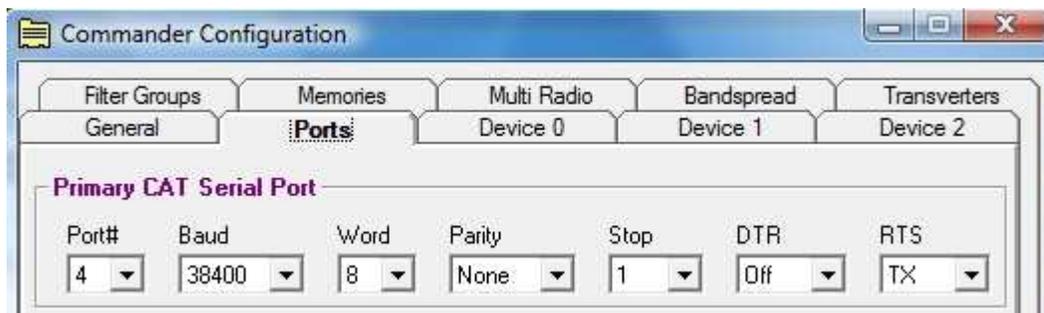
4. Save settings to a preset by selecting menu **Preset | Save as**. Choose a position and name it DXLab.

Note: This configuration requires that both WinWarbler and Commander be configured and running. To configure and run WinWarbler on a stand alone basis or with other software see the separate *[USB Interface III and WinWarbler Setup Guide](#)*.

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

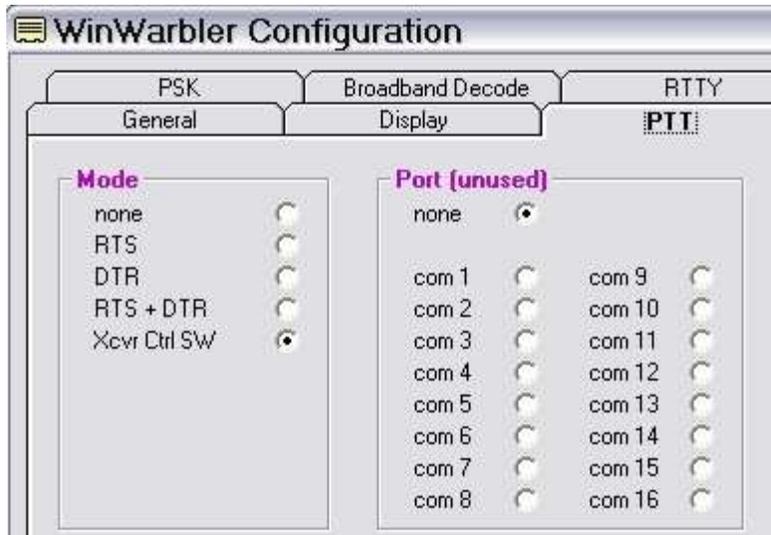
Commander setup:

1. Click **Config** and select the **Ports tab ...**

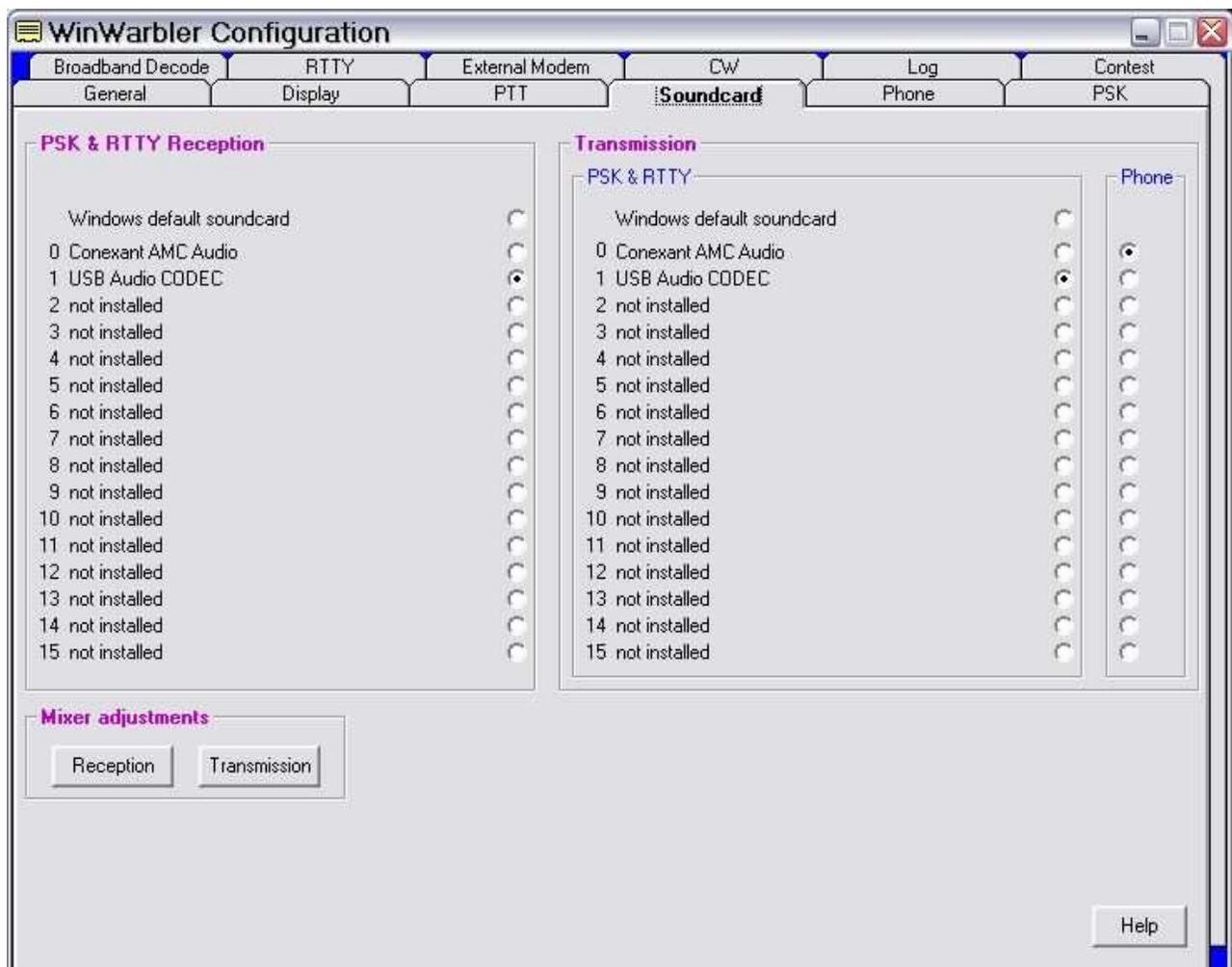


2. Select the virtual COM port you used for control in Router's Ports tab
3. Select the Baud Rate, Parity, Word Length, and Stop Bits settings required by your radio.
4. Set DTR "always off"
5. Set RTS "on to xmit" - this is PTT

WinWarbler setup:

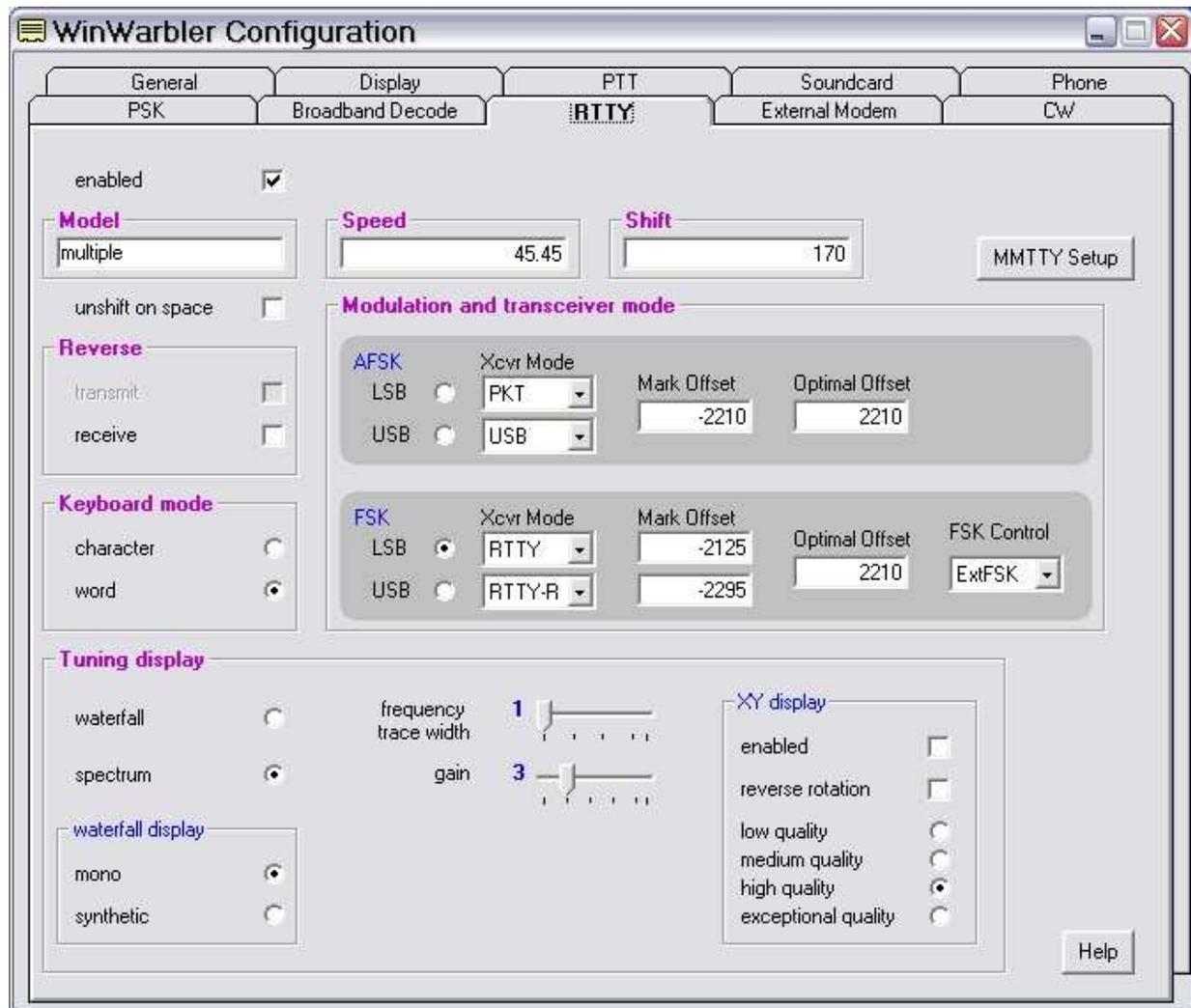


1. Click **Config** and select the **PTT tab ...**
2. Select "Xcvr Ctl SW" as the Mode. WinWarbler will use Commander for PTT in all modes.
3. Set "Port" to "none."
4. Select the Soundcard tab
5. Select USB Audio CODEC for both PSK & RTTY Reception and PSK & RTTY Transmission. (Phone operation is not supported by USB Interface III).



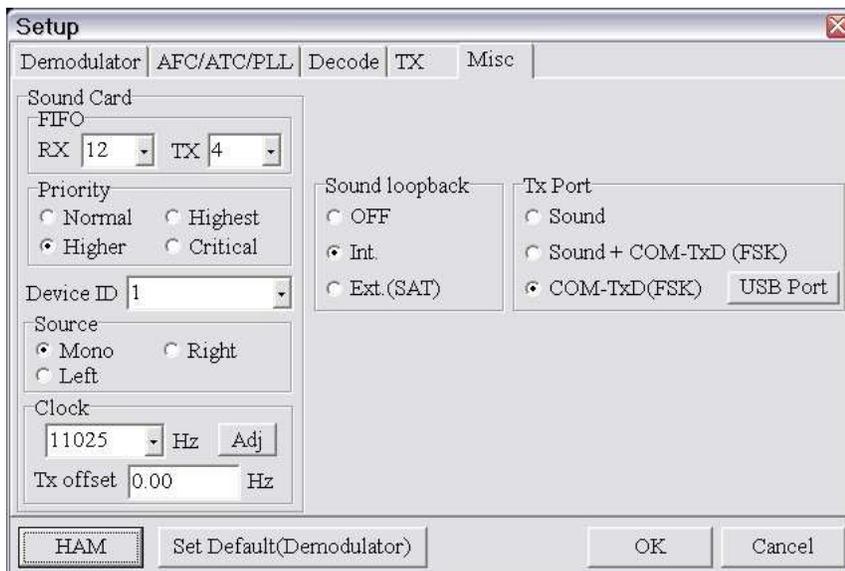
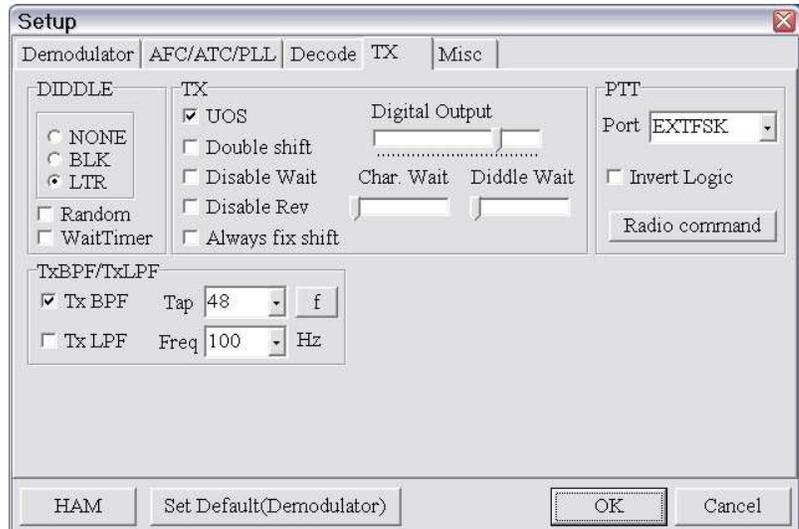
RTTY/MMTTY setup (FSK using EXTFSK):

1. If you are not in RTTY mode, go to WinWarbler's main screen and select RTTY.
2. Click **Config** and select the **RTTY tab ...**



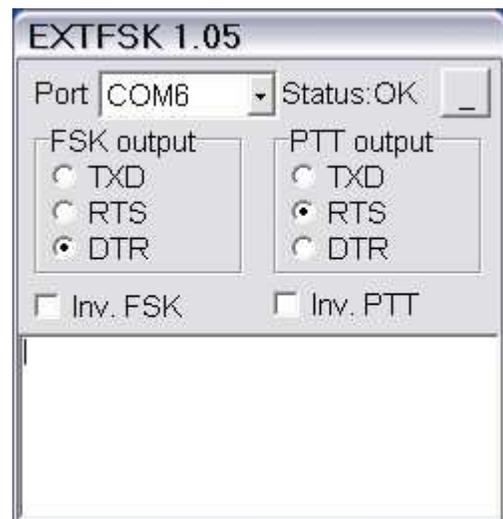
3. Configure the FSK Settings as needed by your radio
4. Set FSK Control to ExtFSK

5. Click on the **MMTTY Setup** button ...
6. Select the **TX Tab ...**
7. Select EXTFSK in the PTT Port box.
8. Choose the **Misc Tab**.



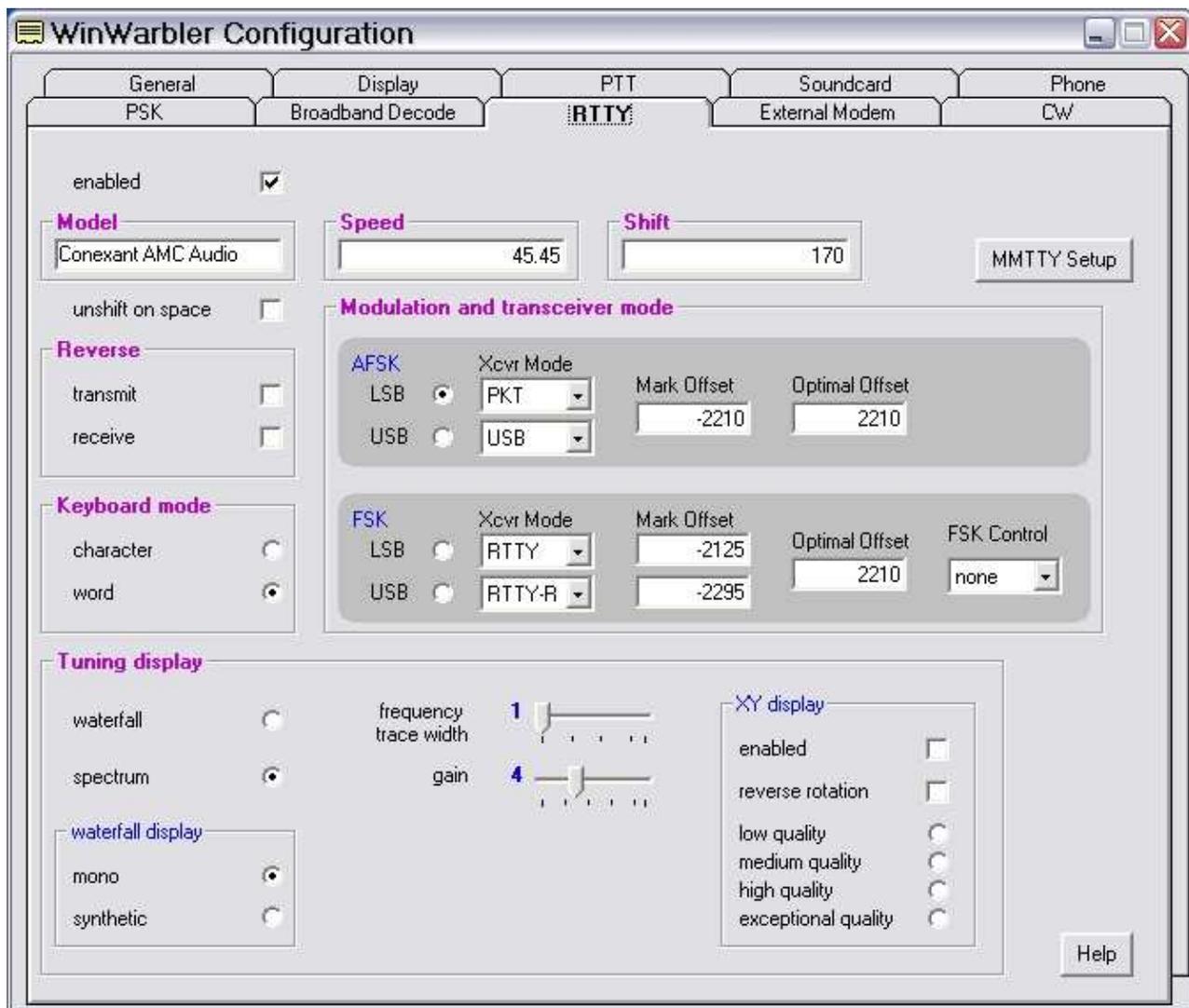
9. Select Source **Left**
10. Set Clock **11025**
11. Select the proper sound card **Device ID**
12. The Device ID is available from WinWarbler's **Soundcard** tab or by clicking the **Get ID** button on Router's **Audio Mixer** tab.
13. Select "COM-TxD (FSK)" or "Sound + COM-TxD (FSK)" as the TX Port.

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



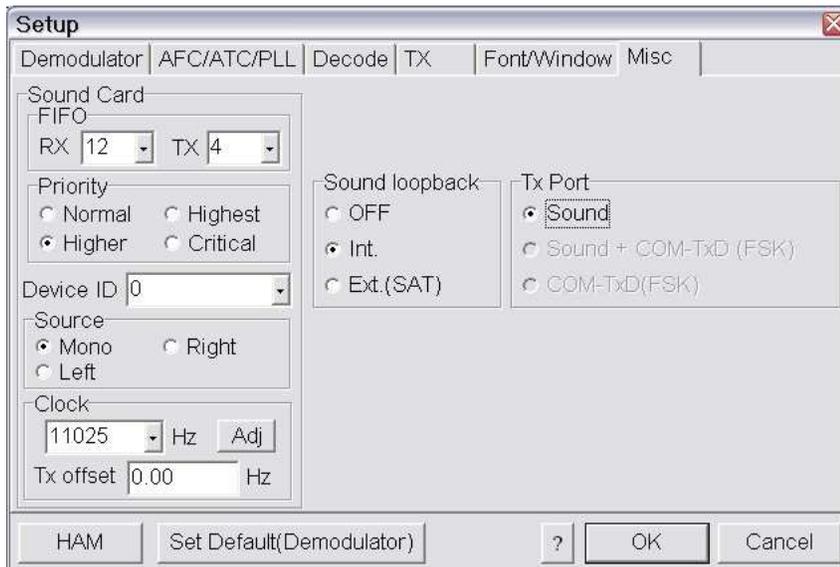
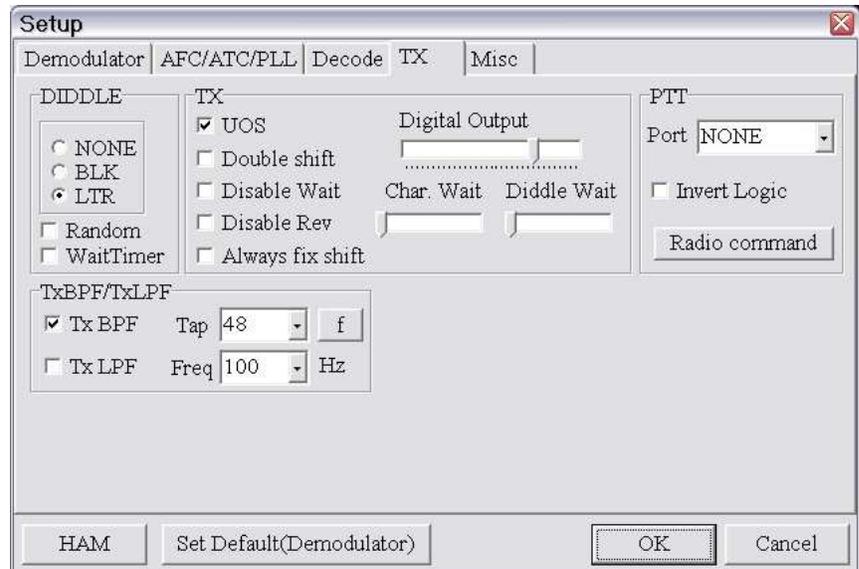
RTTY/MMTTY setup (AFSK):

1. If you are not in RTTY mode, go to WinWarbler's main screen and select RTTY.
2. Click **Config** and select the **RTTY tab ...**



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

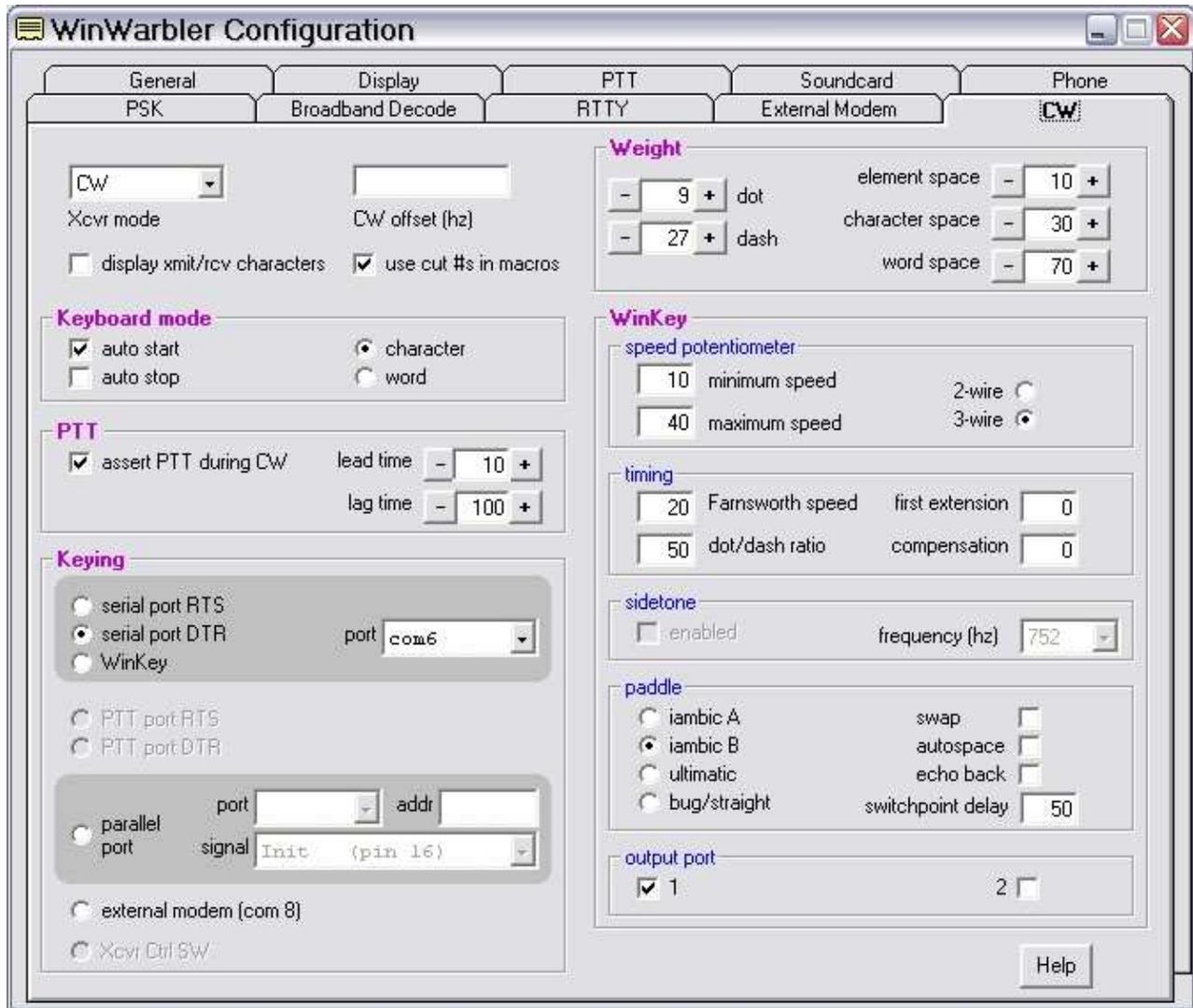
5. Click on the **MMTTY Setup** button ...
6. Select the **TX Tab** ...
7. Select NONE in the PTT Port box.
8. Choose the **Misc Tab**.



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.

CW setup:

1. Select the **CW tab** ...



2. Select **Serial Port DTR** in the Keying box and choose the port you configured for CW on Router's Ports tab.
3. Configure the settings you prefer for CW operation including weight, and PTT or QSK operation. The WinKey settings are ignored.