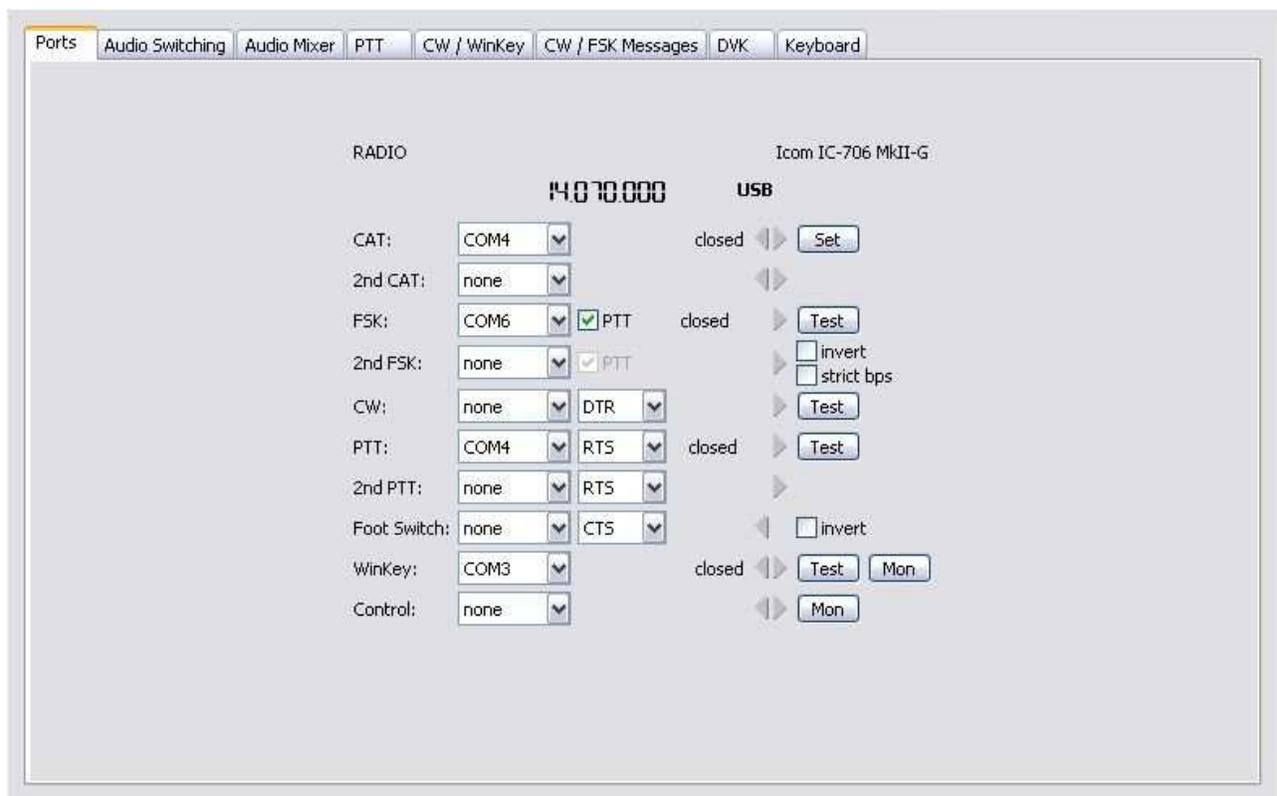


microKEYER and DX4Win Setup

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. 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 the same port for PTT as you used for the Radio.
4. Assign a port for FSK and check the PTT box. If your radio does not support FSK or you will be using AFSK, you can skip this step.



5. On the **PTT** tab, select **PTT1** for Voice, **PTT1 or QSK** for CW and **PTT2** for DIGITAL/FSK.
6. Save the settings to a preset by selecting **Preset | Save as**. Choose a position and name it DX4Win.

DX4Win setup:

1. Click **File | Preferences** to open the Setup Preferences notebook ...

Setup Parameters

File

Radio

Type: **YaesuFT2000-U8c** Address: **00** Baudrate: **4800**

Default Default

Notes for radio: **Modified by ON4AOI and K2RD**

COM Port: **COM4** Poll rate (ms): **500** Max tries: **6** DTR high RTS high

Second Radio

Type: **None** Address: **00** Baudrate: **0**

Default Default

Notes for radio:

COM Port: **COM1** Poll rate (ms): **500** Max tries: **6** DTR high RTS high

Personal
Station
OSO
Screen
Import
Radio
Control
CW
Packet1
Packet2
RTTY
Ext Data
F2 Key
DXCC
WAS
WAZ
WPX
Rep/Lab

2. Select the Radio page and assign your radio Assign the radio to the virtual COM port you used in Router's Ports tab
3. Set the baudrate required by your radio.
4. For Icom and certain TenTec radios, set the CI-V address.

5. Select the CW page
6. Select WinKey as the CW Device type
7. Set the virtual port you chose for WinKey on Router's Ports tab for the External Keyer.
8. Set Software CW keying /PTT control to the virtual port you chose for PTT on Router's Ports tab.
9. Select PTT control for the RTS line.

Setup Parameters

File

Device type: **WinKey** Radio 1/2 signal: **None**

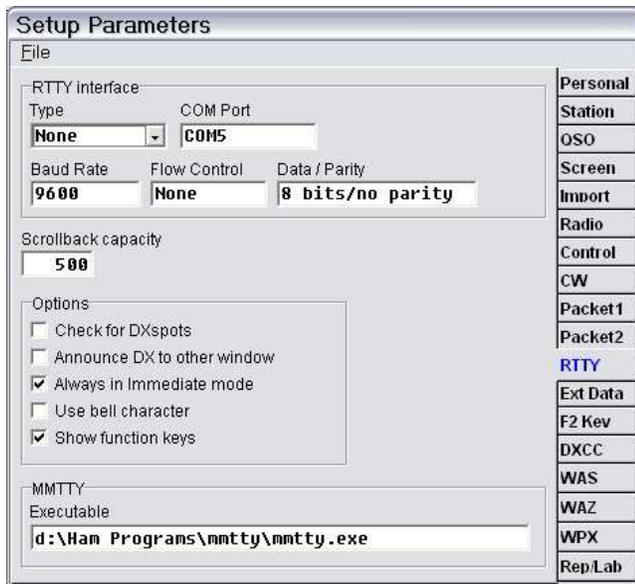
Software CW keying / PTT control

Interface: **COM4** PTT delay: **10** DTR line: **None** RTS line: **PTT control**

External keyer

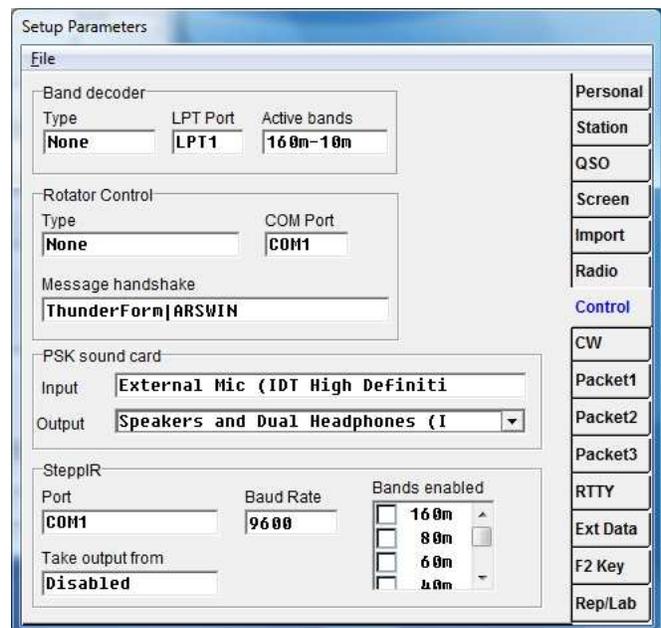
Port: **COM3**

Personal
Station
OSO
Screen
Import
Radio
CW
Control
Packet1
Packet2
RTTY
Ext Data
F2 Key
DXCC
WAS
WAZ
WPX
Rep/Lab



10. Select the RTTY page.

11. Enter the path to the MMTTY Executable file.



12. Select the Control page.

13. Set **PSK sound card**.

Input should be set to the sound card connected to the *microKEYER* Soundcard OUT jack.

Output should be set to the sound card connected to the *microKEYER* Soundcard IN jack.



14. Open the CW Keyboard (ALT-K)

15. Open the CW Keyboard settings (Alt-S)

16. Configure the settings you prefer.

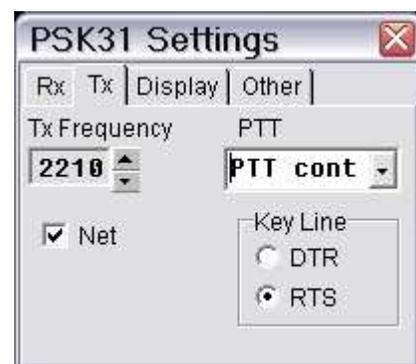
Note: The values for Keyer Mode, weight, PTT vs. QSK, etc. are set on Router's CW/Winkey and PTT tabs. Application settings are ignored.

17. Save Changes and Exit from Preferences.

18. Open the PSK31 window: ALT-3 or Window | PSK31

19. Open the PSK31 Settings window: Alt-S

20. Select the TX tab, set PTT to "PTT control" and set "Key Line" to RTS.



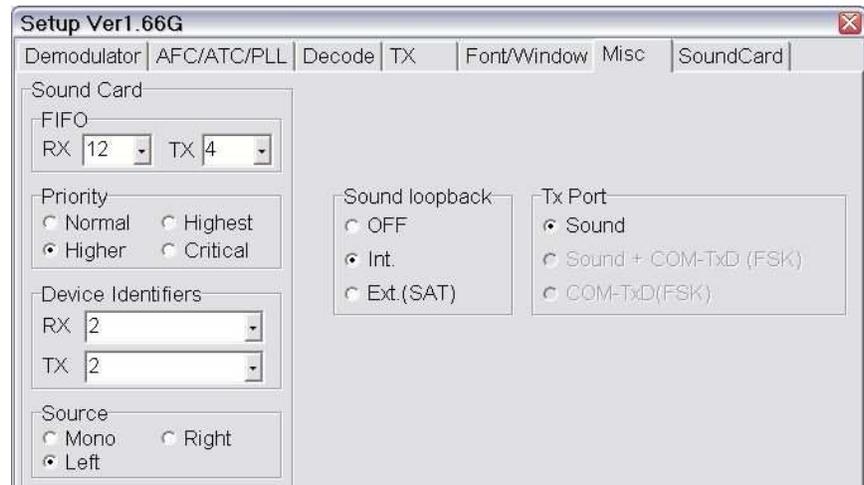
MMTTY AFSK setup:

1. Open the MMTTY window.
2. Click **Option (O) | Setup (O)** in the RTTY Control Panel window



3. Select the "SoundCard" tab.
4. Select the sound card connected to *microKEYER* for Reception and Transmission.

5. Select the Misc Tab
6. Select **Source = Left**
7. Set Tx Port to **Sound**.
8. Click "OK" to close MMTTY Set-up



9. Open the MMTTY keying setup window (ALT-S)
10. Select "PTT control" and set Key Line to "RTS"
11. Close the MMTTY Keying Setup window.

MMTTY FSK setup:

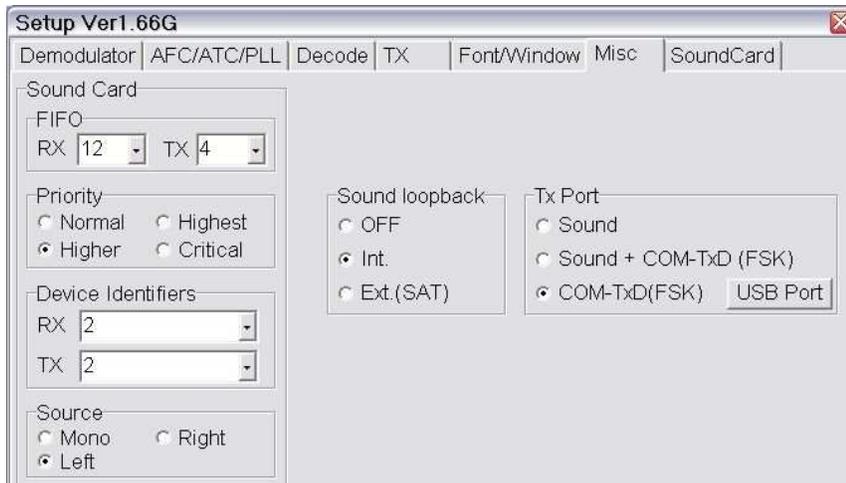
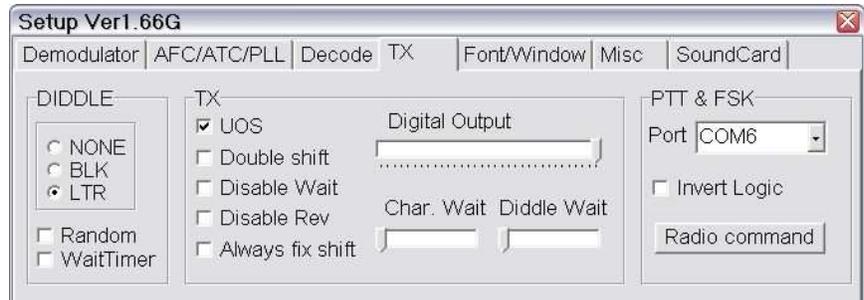
DX4Win does not provide a way to select the EXTFSK driver necessary for FSK with MMTTY. If you plan to operate FSK with the DX4Win MMTTY window you will need to first configure EXTFSK with MMTTY in the stand alone mode.

1. Open MMTTY from the Windows Start menu.
2. Select **Options | Setup MMTTY**.



3. Select the "SoundCard" tab.
4. Select the sound card attached to *microKEYER* for both Transmission and Reception.

5. Select the TX tab
6. Set PTT & FSK to the port assigned to PTT in Router.



7. Select the Misc Tab
8. Select **Source = Left**
9. Set Tx Port to COM-TxD(FSK)



10. Click **USB port** button, choose **C: Limiting speed** and click OK
11. Close MMTTY



12. Start DX4Win and open the MMTTY Window
13. Open the MMTTY keying setup window (ALT-S)
14. Select "PTT control" and set Key Line to "RTS"
15. Close the Keying setup window.