

USB Interface II 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.
2. Assign a port for PTT and CW.



3. 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 ...

The screenshot shows the 'Setup Parameters' dialog box with the 'Radio' page selected. The 'Radio' section is active, showing the following settings:

- Type: YaesuFT2000-U8c
- Address: 00
- Baudrate: 4800
- Notes for radio: Modified by ON4AOI and K2RD
- COM Port: COM4
- Poll rate (ms): 500
- Max tries: 6
- DTR high:
- RTS high:

The 'Second Radio' section is also visible but not selected:

- Type: None
- Address: 00
- Baudrate: 0
- Notes for radio: (empty)
- COM Port: COM1
- Poll rate (ms): 500
- Max tries: 6
- DTR high:
- RTS high:

The right-hand side of the dialog shows a vertical list of tabs: Personal, Station, OSO, Screen, Import, Radio (selected), Control, CW, Packet1, Packet2, RTTY, Ext Data, F2 Key, DXCC, WAS, WAZ, WPX, and Rep/Lab.

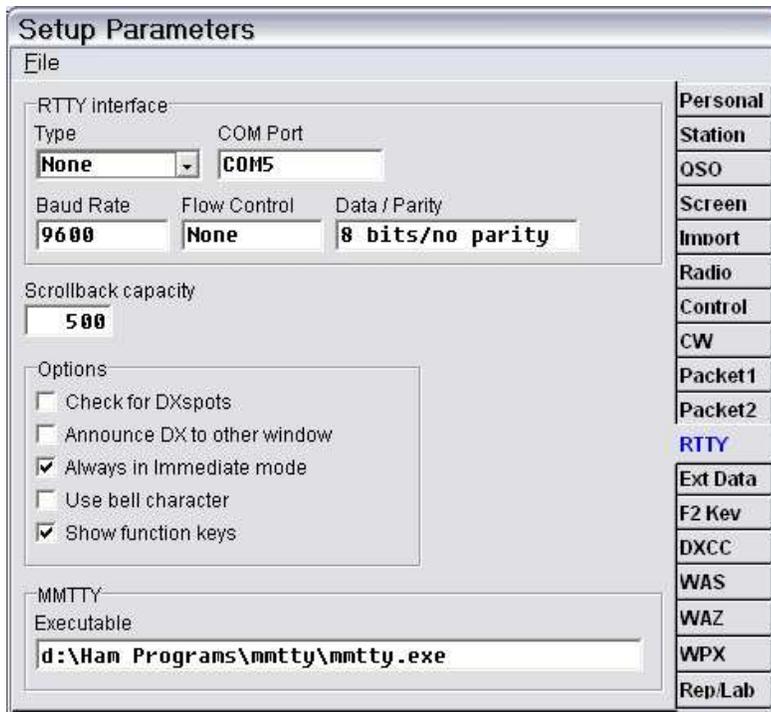
2. Select the Radio page and assign your radio. Assign the radio to the virtual COM port you used in Router's Ports tab
3. Set the Baudrate required by your radio.
4. For Icom and certain TenTec radios, set the CI-V address.

5. Select the CW page
6. Select **DX4WIN** as the CW Device type
7. Set Software CW Keying / PTT Control to the virtual port you chose for CW and PTT on Router's Ports tab for the Interface.
8. Set DTR line to CW Keying.
9. Set RTS line to PTT control.

The screenshot shows the 'Setup Parameters' dialog box with the 'CW' page selected. The 'CW' section is active, showing the following settings:

- Device type: DX4WIN
- Radio 1/2 signal: None
- Software CW keying / PTT control: (checked)
- Interface: COM6
- PTT delay: 10
- DTR line: CW keying
- RTS line: PTT control
- External keyer: (unchecked)
- Port: COM8

The right-hand side of the dialog shows a vertical list of tabs: Personal, Station, OSO, Screen, Import, Radio, Control, CW (selected), Packet1, Packet2, RTTY, Ext Data, F2 Key, DXCC, WAS, WAZ, WPX, and Rep/Lab.



10. Select the RTTY page.

11. Enter the path to the MMTTY Executable file.

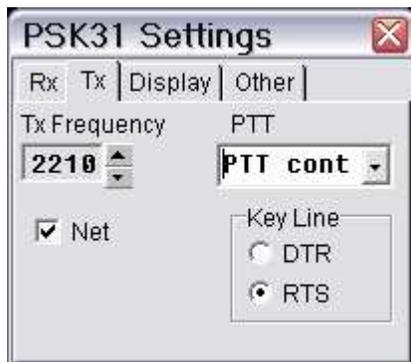
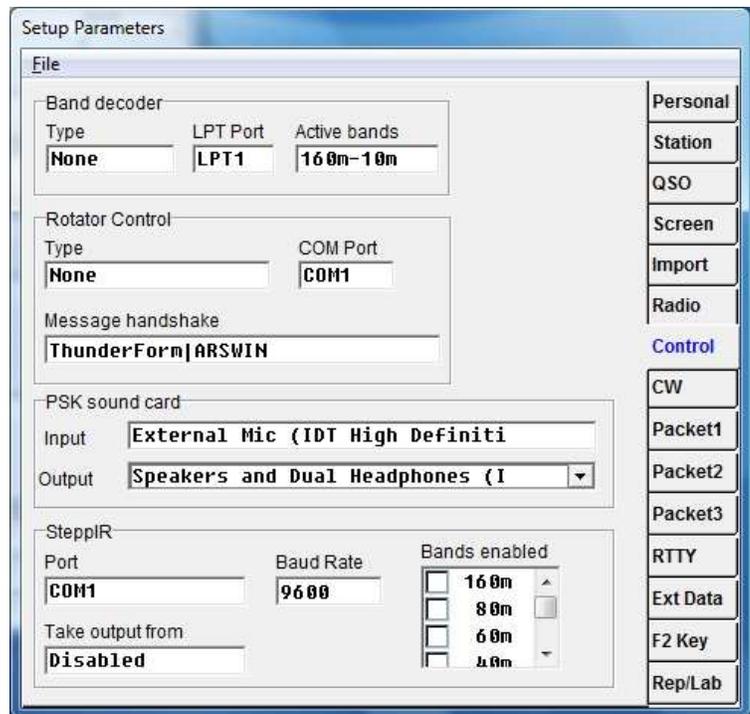
12. Select the Control page.

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. Save Changes and Exit from Preferences



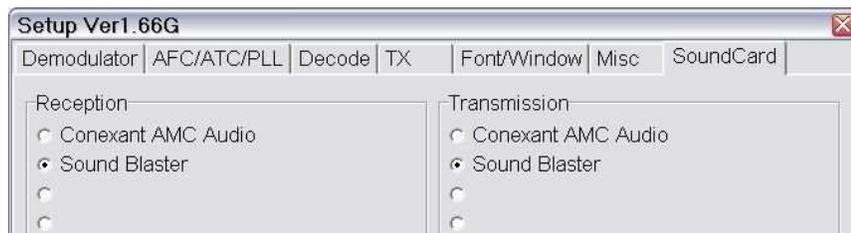
15. Open the PSK31 window: Window | PSK31 or ALT-3

16. Open the PSK31 settings window: ALT-S

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

MMTTY AFSK setup:

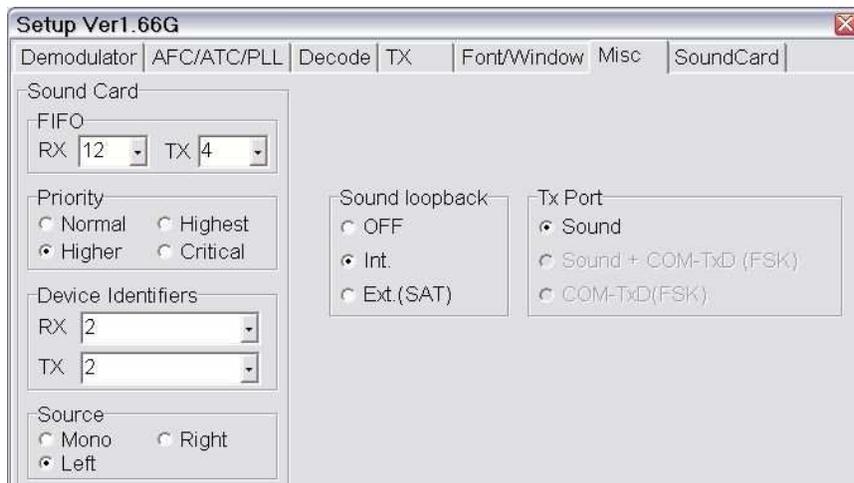
1. Open the MMTTY window.



2. In the Digital Interface, Click **Setup | Setup MMTTY.**
3. Select the "SoundCard" tab.

Set Reception and Transmission to the soundcard connected to USB Interface II.

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



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

MMTTY FSK setup:

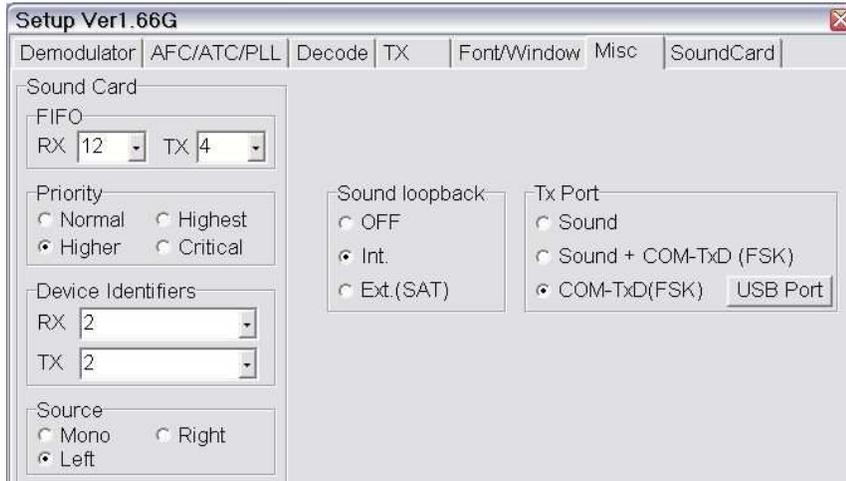
DX4Win does not provide a way to select the EXTFSK driver necessary for FSK with MMTTY. If you plan to operate FSK with the DX4Win MMTTY window you will need to first configure EXTFSK with MMTTY in the stand alone mode.

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

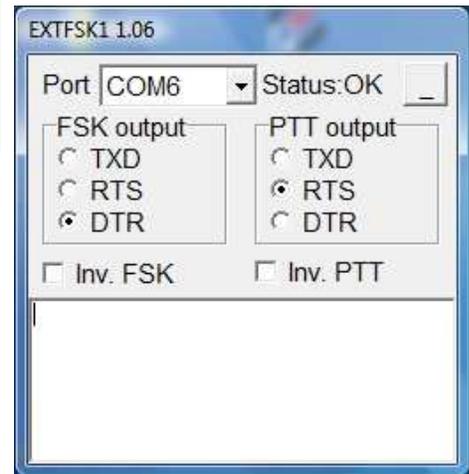


3. In the Digital Interface, Click **Setup | Setup MMTTY.**
4. Select the "SoundCard" tab.
5. Set Reception and Transmission to the soundcard connected to USB Interface II.

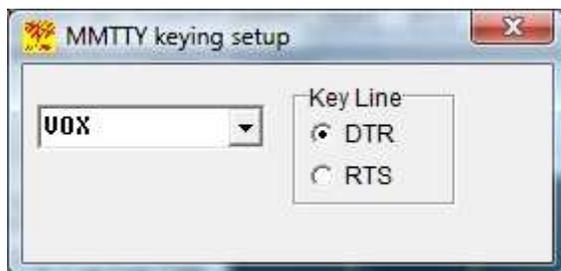
6. Select the TX tab
7. Set PTT & FSK to EXTFSK.



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



11. Select the EXTFSK Window (it may be minimized to the Windows Taskbar)
12. Set Port to the same port as you set for CW In Router
13. Set the FSK output to DTR
14. Click the () button to minimize the EXTFSK window to the Task Bar and close MMTTY.



15. Start DX4Win and open the MMTTY Window
16. Open the MMTTY Keying Setup Window (ALT-S)
17. Select "VOX" to release the CW/PTT Port for MMTTY and EXTFSK.
18. Close the MMTTY Keying Setup window.