

DigiKeyer 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. 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.

Ports | Audio | PTT | CW / WinKey | CW Messages | FSK Messages | Keyboard | System Settings

RADIO Icom IC-706 MkII-G
14.087580 RTTY

CAT: COM4 closed Set
2nd CAT: none
FSK: COM6 PTT closed Test
2nd FSK: none PTT invert strict bps
CW: none DTR Test
PTT: COM4 RTS closed Test
2nd PTT: none RTS closed
Foot Switch: none CTS invert
SQL: none CTS invert
WinKey: COM3 closed Test Mon
Control: none Mon

5. On the **PTT** tab, check PA PTT if DigiKeyer II will be controlling an amplifier and select your choice if PTT, QSK or Semi Break-In (QSK with PA PTT) in CW.
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: **ICOM 706** Address: **58** Baud Rate: **19200**

Notes for radio: Default Default
Needs address = 50

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

Transverter Offset (KHz): **0** Band: **None**

Second Radio

Type: **Elecraft K3** Address: **00** Baud Rate: **38400**

Notes for radio: Default Default

COM Port: **COM5** Poll rate (ms): **500** Max tries: **6** DTR high RTS high

Transverter Offset (KHz): **0** Band: **None**

Personal
Station
QSO
Screen
Import
Radio
Control
CW
Packet1
Packet2
Packet3
RTTY
Ext Data
F2 Key
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 baud rate 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 the virtual port you chose for Control and PTT on Router's Ports tab for PTT control. Select PTT control for the RTS line.

Setup Parameters

File

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

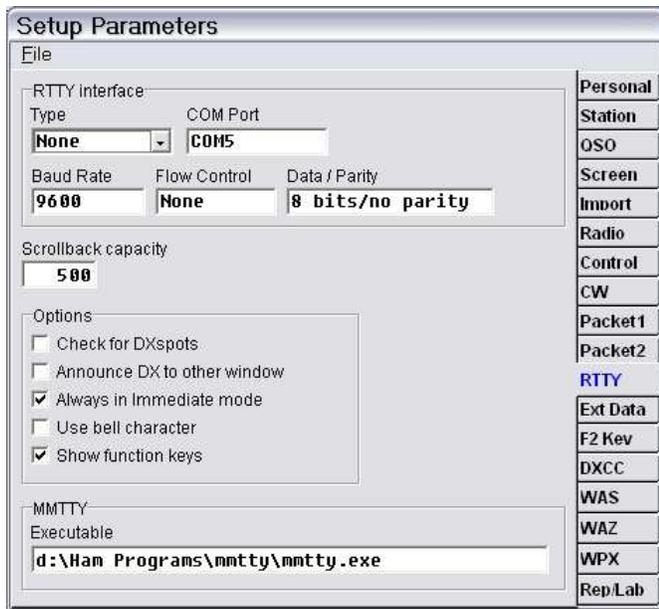
Software CW keying / PTT control

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

External keyer

Port: **COM3**

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



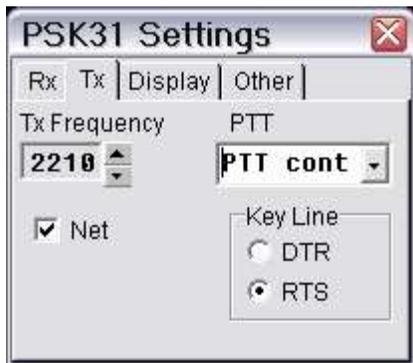
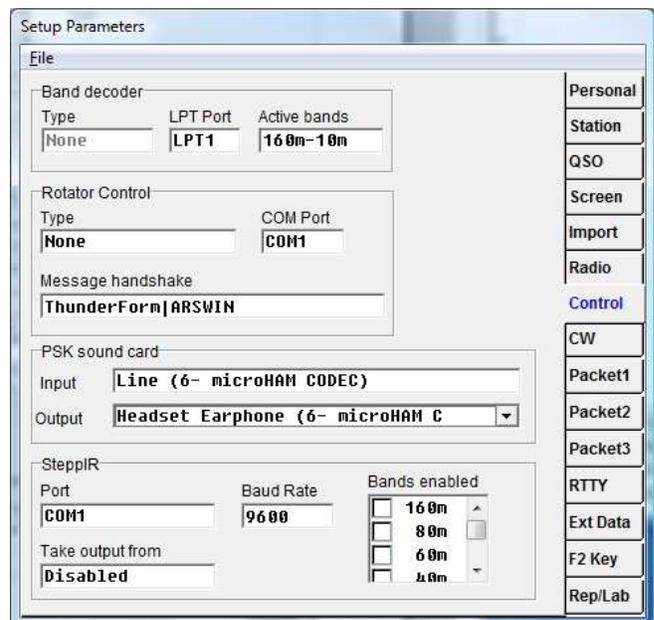
9. Select the RTTY page.

10. Enter the path to the MMTTY Executable file.

11. Select the Control page.

12. Set the PSK sound card Input to "Line (microHAM CODEC)".

13. Set the PSK sound card Output to "Headset Earphone (microHAM CODEC)".



14. Open the PSK31 window (ALT-3)

15. Open the PSK31 settings (ALT-S)

16. Select the TX tab and set PTT to "PTT control"

17. Open the MMTTY Window Keying Settings (ALT-S)

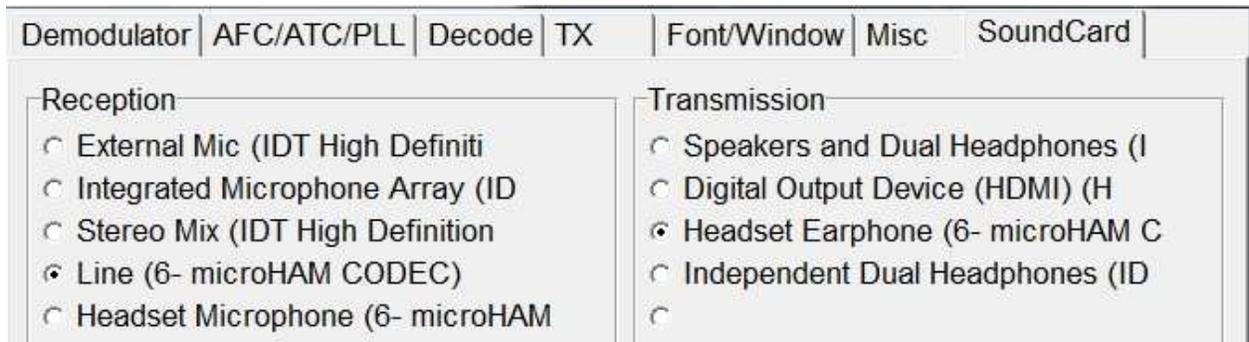
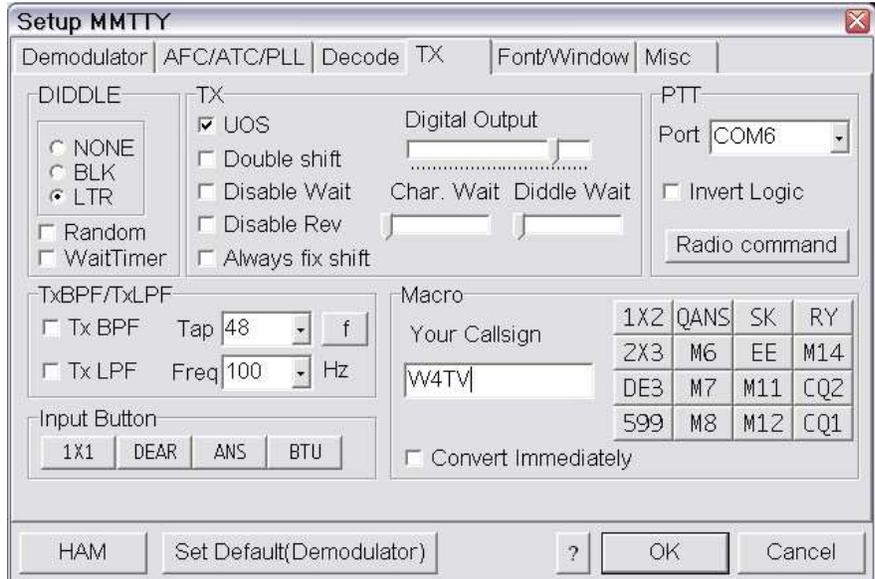
18. Select "PTT control" and RTS



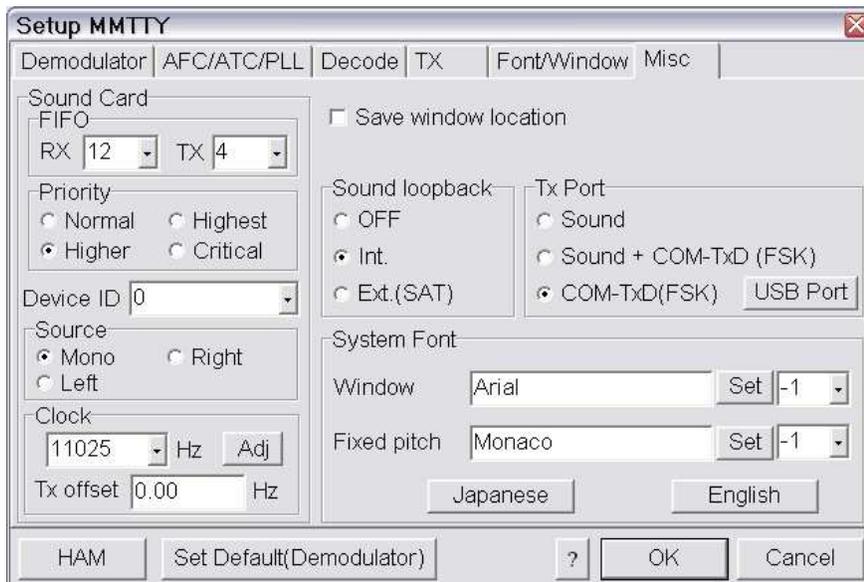
MMTTY setup:

If you plan to operate FSK with the MMTTY window you will need to first configure MMTTY in stand-alone mode.

1. Open MMTTY from the Start menu.
2. Select **Options | Setup MMTTY**.
3. Select the TX Tab
4. Choose the FSK port you set on Router's Ports tab for the PTT Port.
5. Select the SoundCard tab



6. Set Reception to Line (microHAM CODEC) and set Transmission to "Headset Earphone (microHAM CODEC)."



7. Choose the **Misc Tab**.
8. Select **Source Mono**
9. Select clock **11025**
10. Select COM-TxD (FSK) for the TX Port.

If you want the option to switch between AFSK and FSK, select Sound + COM-TxD (FSK)

11. Click **USB port** button and choose **C: Limiting speed**

12. Close MMTTY

