*micro*KEYER and Win-Test Setup

Router setup:

Note: The absolute port numbers do not matter. The key is consistency - the same port number must be used for each function in Router, Win-Test and MMTTY.
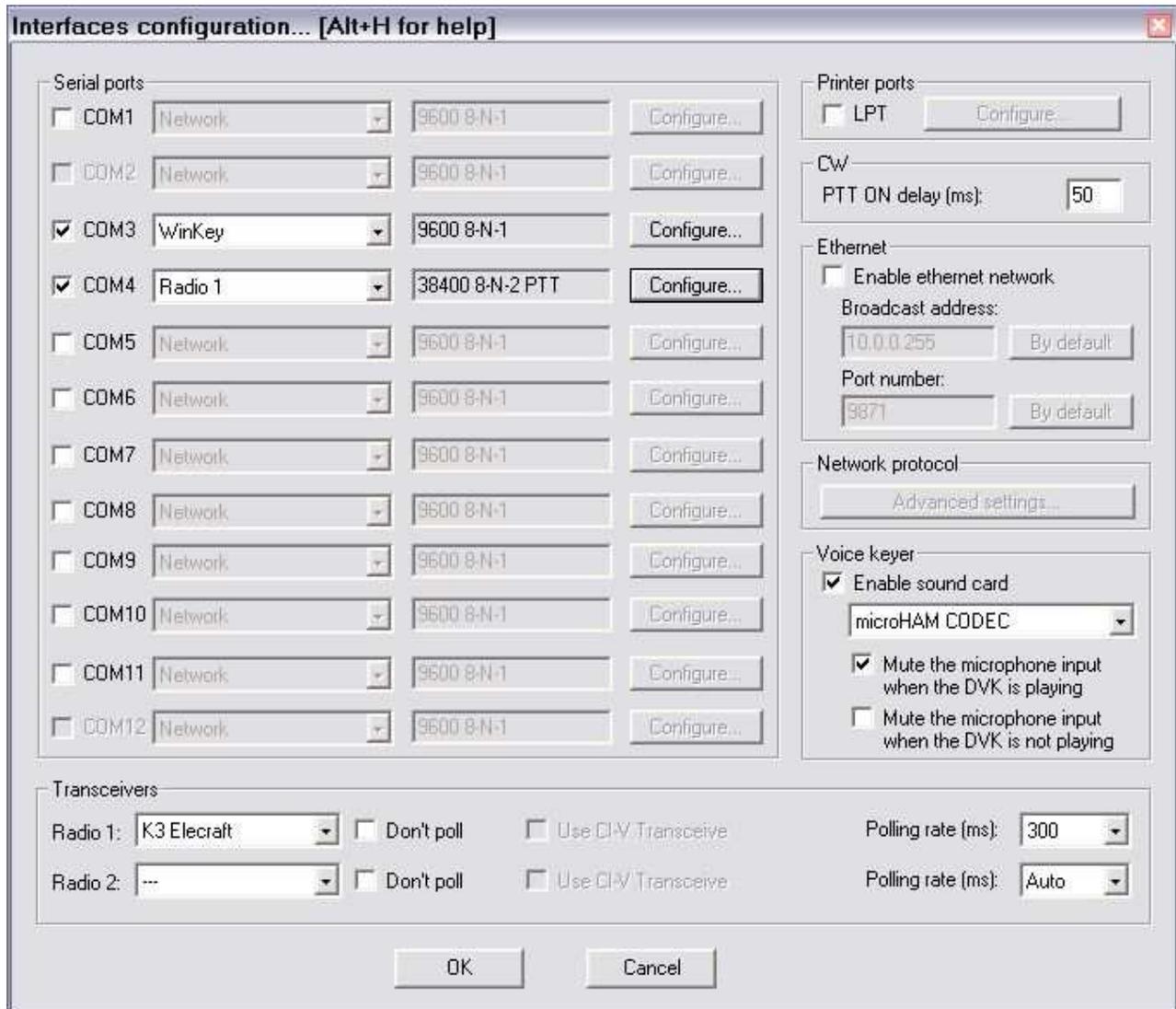
1. Assign the radio control virtual COM port. Click the **Set** button and select your radio from the drop down box. Uncheck the **Disable router queries** box.

2. Set PTT to RTS and assign the same port you used for CAT.

3. Assign a port for WinKey

4. Assign a port for FSK (RTTY) and check PTT. Assign a port for FSK even if you will be using AFSK. If you are not using Win-Test for RTTY contesting you can skip this step.

5. Assign a port for Control if Win-Test will be using the microHAM DVK.
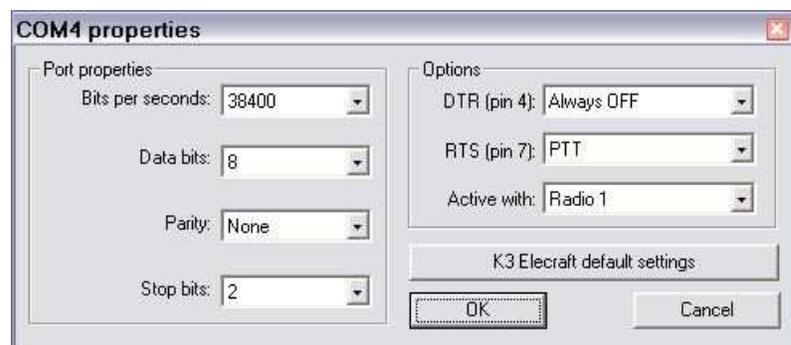

6. On the **Audio Switching** tab.   Set VOICE to "Microphone jack, logger or DVK control." Set FSK/DIGITAL to "Line input (rear)."

7. On the **PTT/FSK** tab use **PTT1** for VOICE, **PTT1 or QSK** for CW and **PTT2** for FSK/DIGITAL.

8. Save settings to a preset by selecting menu **Preset | Save as.** Choose a position and name it Win-Test.
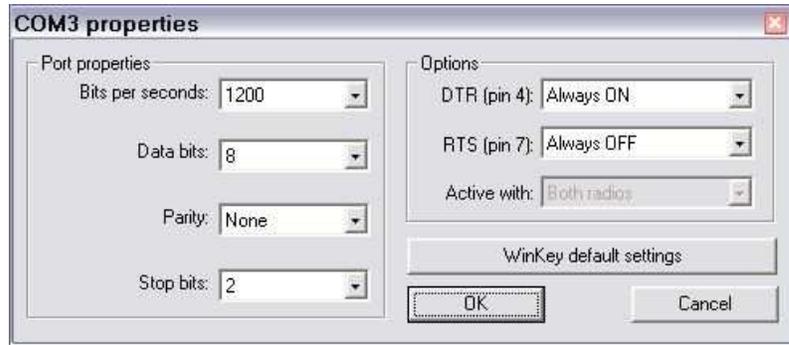
Win-Test setup:

1. Click Options | Configure Interfaces ....
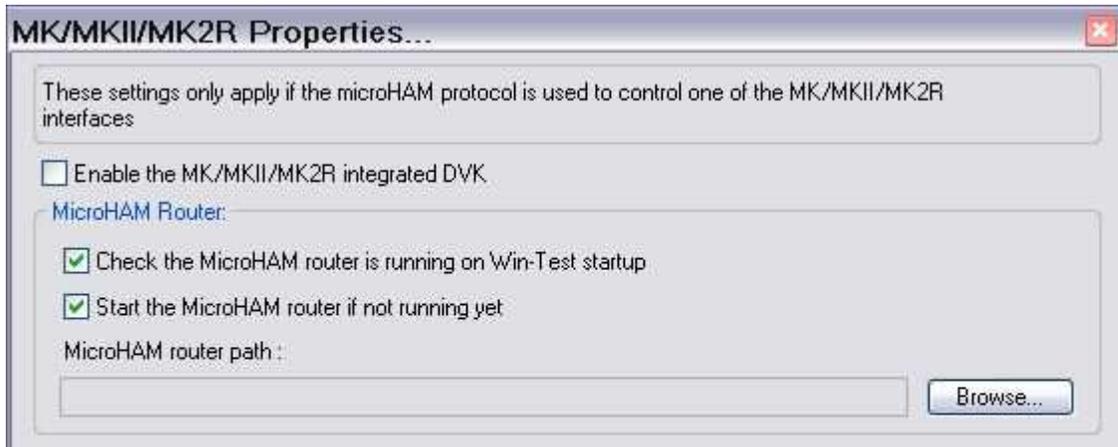

2. If you will be using the Win-Test DVK, check "Enable sound card" and select the sound card you will be using for DVK.

3. Check "Mute microphone input when DVK is playing"

4. Check the port you chose for CAT and PTT. Set the interface to Radio 1.

5. Click "Configure" and set the port properties for your transceiver.

6. Set DTR to Always Off, and RTS to PTT.

7. Set Active with: Radio 1

8. Check the port you set for WinKey and set the interface to WinKey

9. Click "configure" and set the port properties to 1200, 8N2.

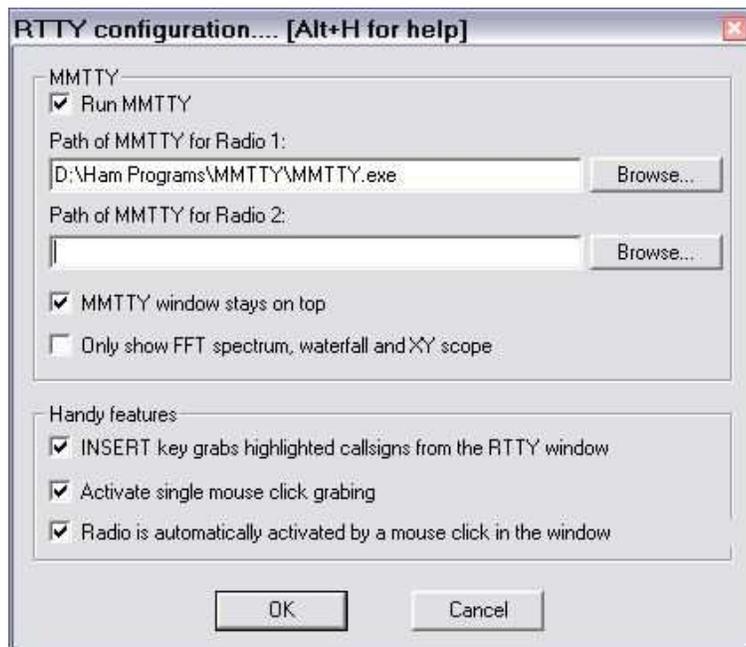10. Set Options to:
    DTR= Always On
    RTS = Always Off

COM3 properties

Port properties
- Bits per seconds: 1200
- Data bits: 8
- Parity: None
- Stop bits: 2

Options
- DTR (pin 4): Always ON
- RTS (pin 7): Always OFF
- Active with: Both radios

WinKey default settings

OK   Cancel

11. Click **Options | MK/MK II/MK2R configuration ....**

MK/MKII/MK2R Properties...

These settings only apply if the microHAM protocol is used to control one of the MK/MKII/MK2R interfaces

☐ Enable the MK/MKII/MK2R integrated DVK

MicroHAM Router:

☑ Check the MicroHAM router is running on Win-Test startup

☑ Start the MicroHAM router if not running yet

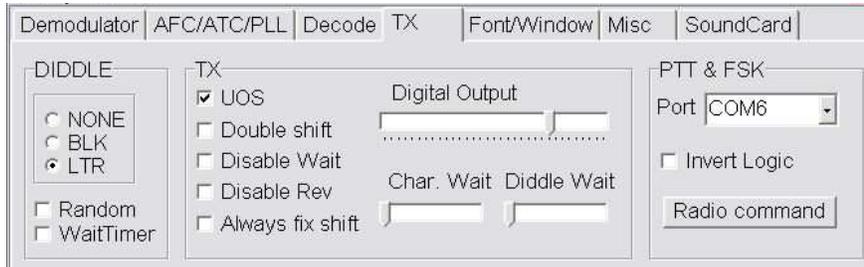MicroHAM router path :

[   ] Browse...

12. Check **Enable the MK/MK II/MK2R integrated DVK** if you plan to use the Router DVK.

13. Check the boxes for Router if you want Win-Test to start Router when it starts

RTTY/Digital setup:

RTTY operation with microKEYER II and Win-Test requires the use of MMTTY.

RTTY configuration.... [Alt+H for help]

MMTTY
☑ Run MMTTY

Path of MMTTY for Radio 1:
D:\Ham Programs\MMTTY\MMTTY.exe   Browse...

Path of MMTTY for Radio 2:
[   ]   Browse...

☑ MMTTY window stays on top

☐ Only show FFT spectrum, waterfall and XY scope

Handy features
☑ INSERT key grabs highlighted callsigns from the RTTY window

☑ Activate single mouse click grabing

☑ Radio is automatically activated by a mouse click in the window

OK   Cancel

1. Install MMTTY on your computer.

2. Select **Options | RTTY Configuration**

3. Check "Run MMTTY"

4. Enter the path to MMTTY

5. Make any other selections based on your operating preferences.

6. Start/open MMTTY from the path specified for Radio 1.

7. Select **Option (O) | Setup (O)** on the MMTTY Spectrum/waterfall window.
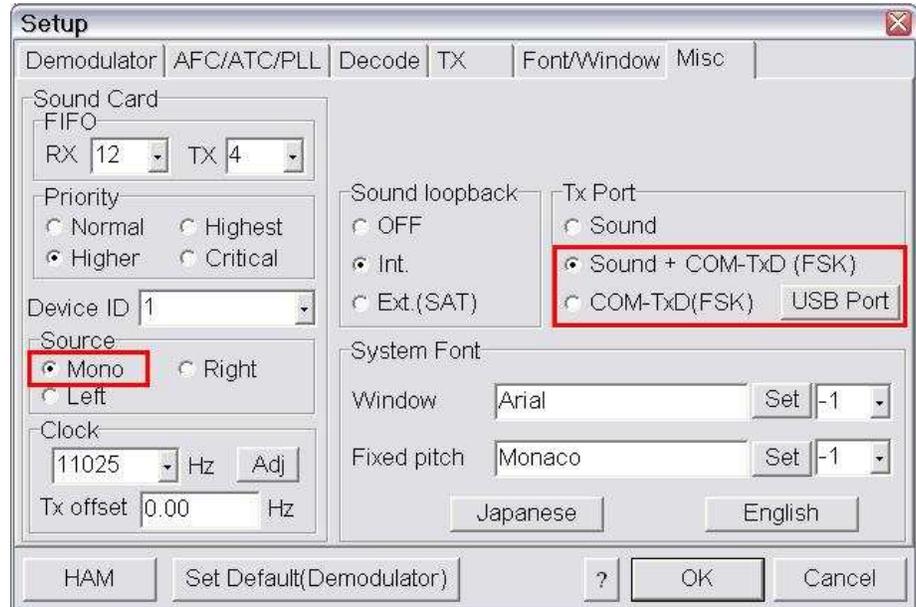
8. Select the TX tab

9. Set "PTT & FSK" to the Port you selected for FSK in Router

10. Select the Misc Tab

11. Select **Source Mono**

12. Select clock **11025**

13. Select proper Sound card **Device ID** number or select the Sound card on the SoundCard tab.

   To obtain the proper ID, click **Get ID** button on Router's **Keying** tab.

14. Select COM-TxD (FSK) for the TX Port.

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

15. Click the USB Port button

16. Select "C: Limiting speed"

17. Click "OK"