*micro*2R and WriteLog setup guide

"USB Only" SO2R

Router setup:

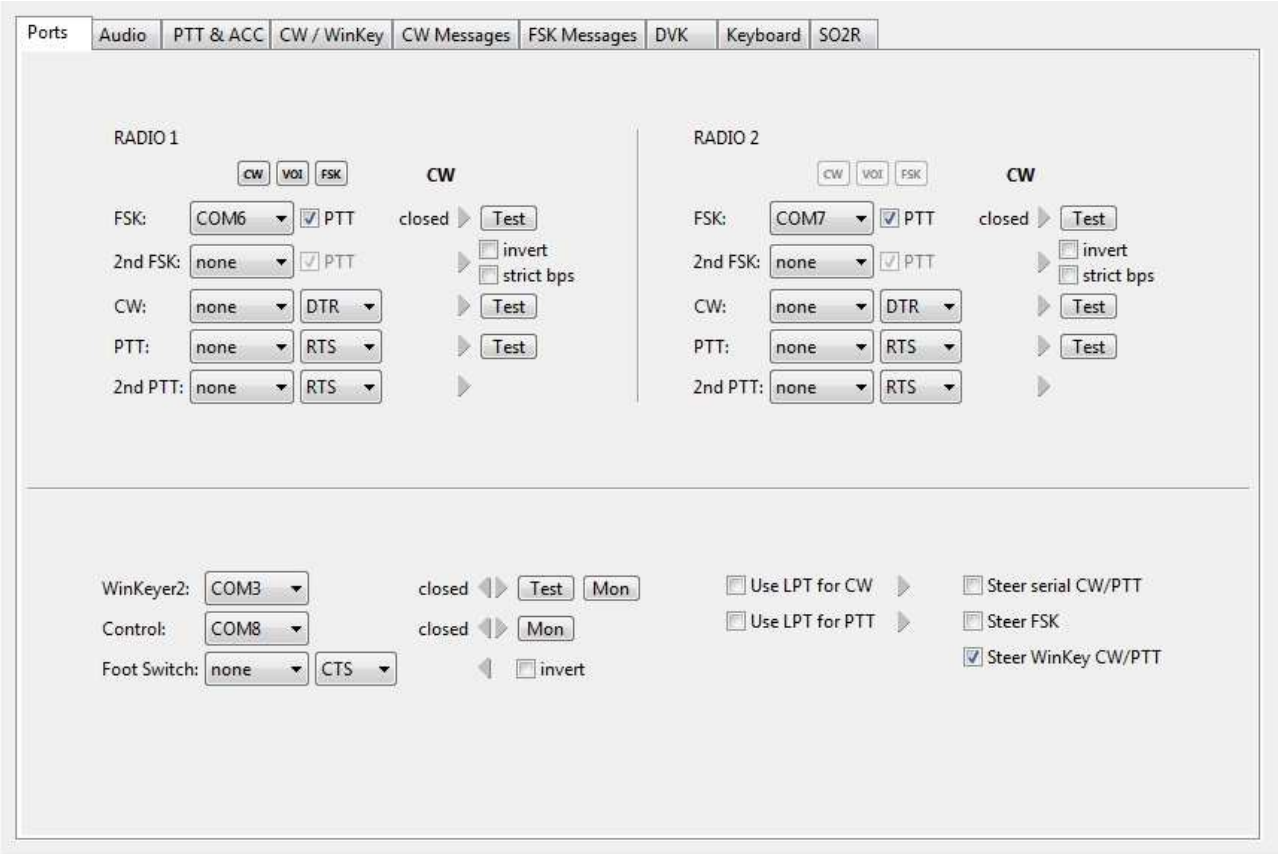
Note: The specific port numbers are not important. The key is consistency - the same port number must be used for a specific function in both Router and WriteLog.

*micro*2R does not provide transceiver control. You will need a CAT/CI-V interface for each radio. They can be anything from traditional serial ports to *micro*HAM *micro*KEYER II. Connection data is in the *micro*2R User Manual.

1. Assign a port for Control. N1MM Logger will use this port to select transmit and receive focus.
2. Assign ports for FSK and check the PTT box.

   Note: If you will be using the WriteLog's native FSK support, check the "strict bps" box. The speed will be about 20% slower than normal but strict BPS is necessary to prevent PTT timing and buffer overflow issues.

   Suggestion: If you are using *micro*HAM CAT/CI-V interfaces, use the FSK ports in those devices instead of the FSK ports in *micro*2R.
3. Assign a port for WinKey. Use the PTT & ACC tab to select PTT or QSK operation in CW (Use WinKey PTT).
4. Use the PTT & ACC tab to select whether *micro*2R is to generate PTT for each radio (Generate PTT Output).



5. Select "microHAM control protocol on COM port" on the **SO2R** tab. This setting permits WriteLog to control:
   - **Transmit Focus**
   - **Receive Focus**
   - **Headphone Split**
   - **Headphones Reverse**
   - **Antenna Relay**

Antenna Relay is simply passed through to the ACCESSORY jack. *micro*2R provides a four bit (binary) signal to drive a user supplied 1 of 16 decoder for each radio. Seen the WriteLog help file for information on the Antenna Relay Support.

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

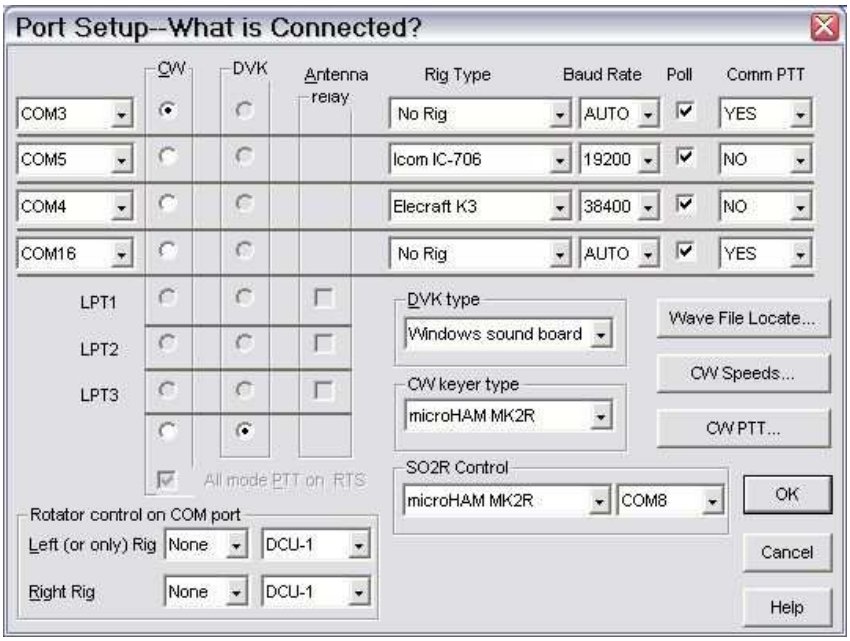
WriteLog setup:

Audio configuration:

1. Open the WriteLog sound board mixer control by clicking on: **START | Programs | WriteLog v10 | Sound board mixer control**
2. Select the inputs and outputs for the soundcard attached to *micro*2R.
3. Assign Audio review to any appropriate sound card.

4. Leave the Receive selection blank (any selection will be ignored). USB Audio CODEC has only one stereo input and no mixer control. The level sliders will be gray – set the off air recording level with the "Recording / Digital" controls on the front of MK2R or MK2R+.

WriteLog Port configuration

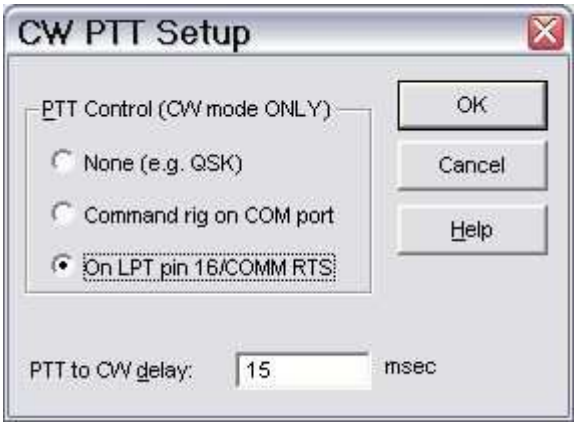


5. Open WriteLog and select Setup | Ports
6. Assign a COM port for each radio.

   Note: It may be necessary to add CommSlot statements to WriteLog.ini

Note: ALWAYS set Comm PTT to NO for ALL radios.

7. Select the COM port you assigned for WinKey for CW.
8. Select **microHAM MK2R** as the CW keyer type.
9. Set SO2R Control to **microHAM MK2R** and the port to the the virtual port you used for Control in Router.
10. Set DVK type to **Windows sound board**
11. Click CW PTT and select "On LPT pin16/COMM RTS." If you prefer QSK, check "None" and clear the "Use WinKey PTT" boxes on Router's PTT & ACC tab.
12. Click "OK" to close Setup
13. Save the configuration with **Setup | Save Configuration**

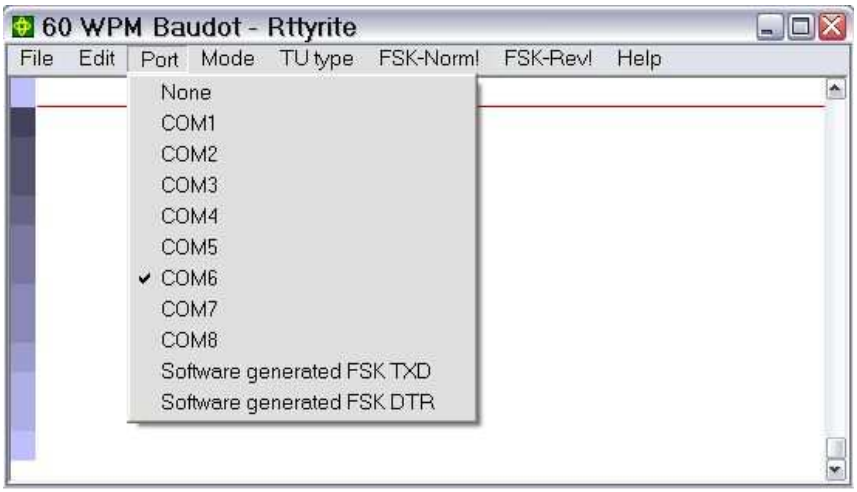


RTTY/Digital setup:

NOTE: Other than setting the correct virtual port for FSK (if used), the digital configuration is identical to that used with your existing digital interface. The information below is provided as a matter of convenience. Please refer to the Writelog Help file and documentation for your particular interface when configuring digital mode support.

Writelog supports the MMTTY plug-in, Stereo Sound Board AFSK or Stereo Sound Board FSK TU types.

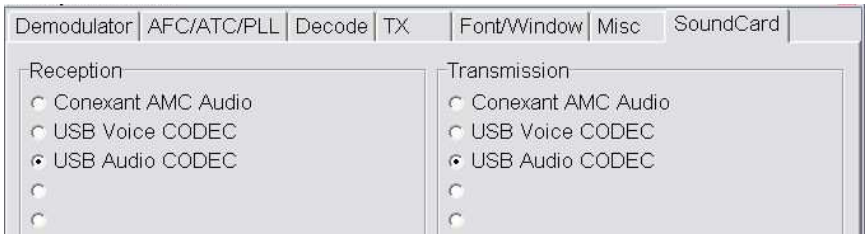
1. If you have not already set up WriteLog for two radio operation, select **Radio | Number of Radios | 2**. Label Radio 1 = Left and Radio 2 = Right.
2. Activate the Left Radio entry window and click on **Window | RTTY Window** to open the first RTTY window.
3. If you will be using FSK with either RTTYrite or the MMTTY plug-in, use the Port menu and select the virtual port you defined as the the RADIO 1 FSK port in Router.

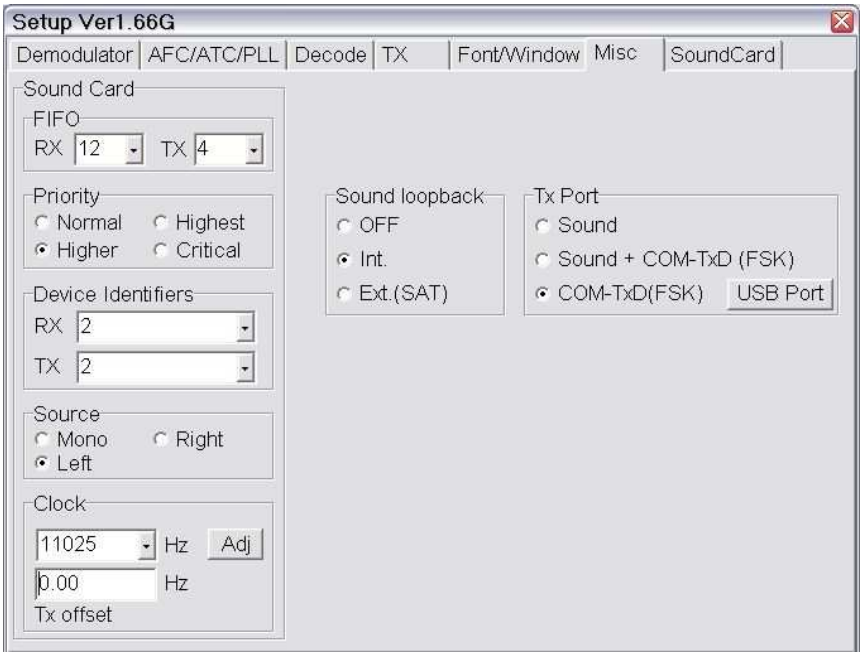


4. Activate the Right radio entry window and click on **Window | RTTY Window** to open the first RTTY window.
5. If you will be using FSK with either RTTYrite or the MMTTY plug-in, use the Port menu and select the virtual port you defined as the RADIO 2 FSK port in Router.

Using the MMTTY Plug-in

1. Install MMTTY in TWO different directories on your hard disk. We recommend using MMTTY version 1.66g as it significantly simplifies the audio configuration process.
2. If you have not already done so, install the MMTTY Plug-in see:: http://www.writelog.com/ThirdParty/MMTTYPluginforWritelog_V13.exe.
3. Select Radio 1 (left) and click Window | RTTY Window to open the first RTTY Window.
4. Select TU type and select MMTTY to activate the MMTTY plug-in. If this is the first time you have used MMTTY, the plug in will ask you to set-up the path to MMTTY. Use the first installation for the Left radio.
5. From the TU type menu, Select **TNC Setup** and click on the MMTTY Settings button.
6. Chose the "SoundCard" tab.
7. Select the sound card you will be using for reception and transmission.

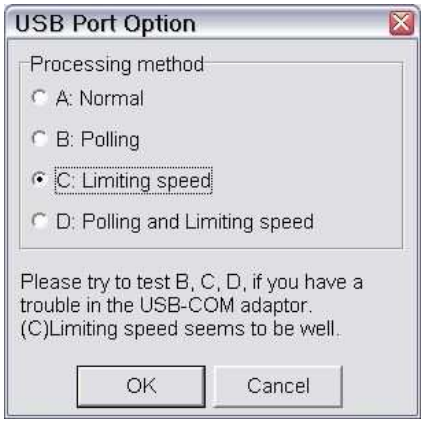




8. Click the **Misc** tab.

9. If you will be using one sound card for both radios, Select **Source = Left**

10. If you will be using AFSK, select "Sound" in the Tx Port box. If you will be using FSK, select COM-TxD (FSK) or Sound + COM-TxD (FSK)



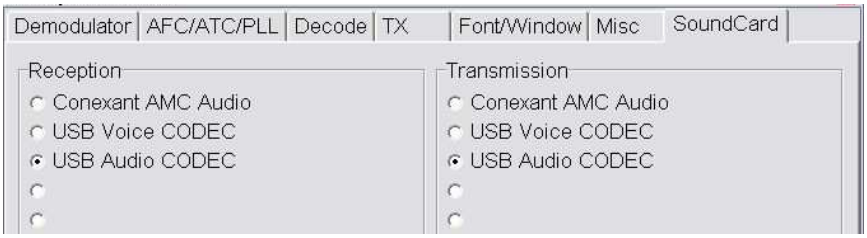
11. Click **USB port** button, choose **C: Limiting speed** and click OK

12. Click "OK" on the Misc tab to close the MMTTY Set-up for Radio 1

13. Select Radio 2 (right) and click Window | RTTY Window to open the second RTTY window.

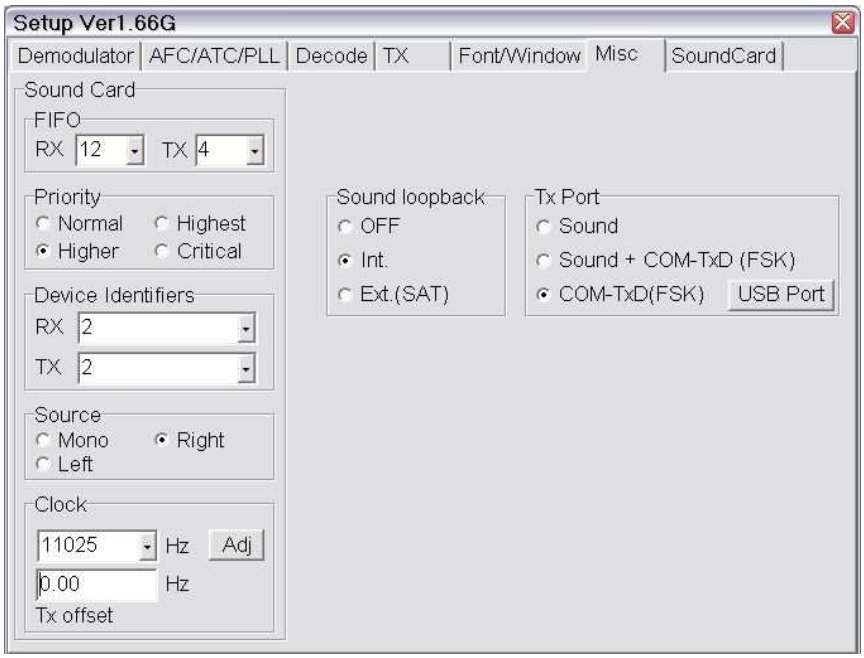
14. Select TU type and select MMTTY to activate the MMTTY plug-in. If this is the first time you have used MMTTY with the second RTTY window, the plug in will ask you to set-up the path to MMTTY. Use the second installation for the Right radio.

15. From the TU type menu, Select **TNC Setup** and click on the MMTTY Settings button.



16. Chose the "SoundCard" tab.

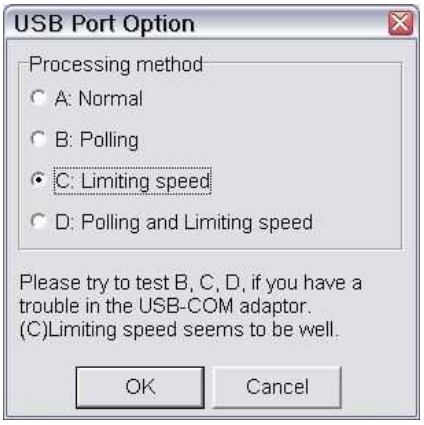
17. Select the sound card you will be using for transmission and reception.



18. Click the **Misc** Tab.

19. If you will be using the same sound card for both radios, select **Source = Right**

20. If you will be using AFSK, select "Sound" in the Tx Port box. If you will be using FSK, select COM-TxD (FSK) or Sound + COM-TxD (FSK).



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

22. Click "OK" on the Misc tab to close the MMTTY Set-up for Radio 2.

Note: When setting up RTTY macros, add two or three extra spaces before the "%E" to prevent PTT from being released too early and clipping the end.