USB Interface II and N1MM Logger setup

Router setup:

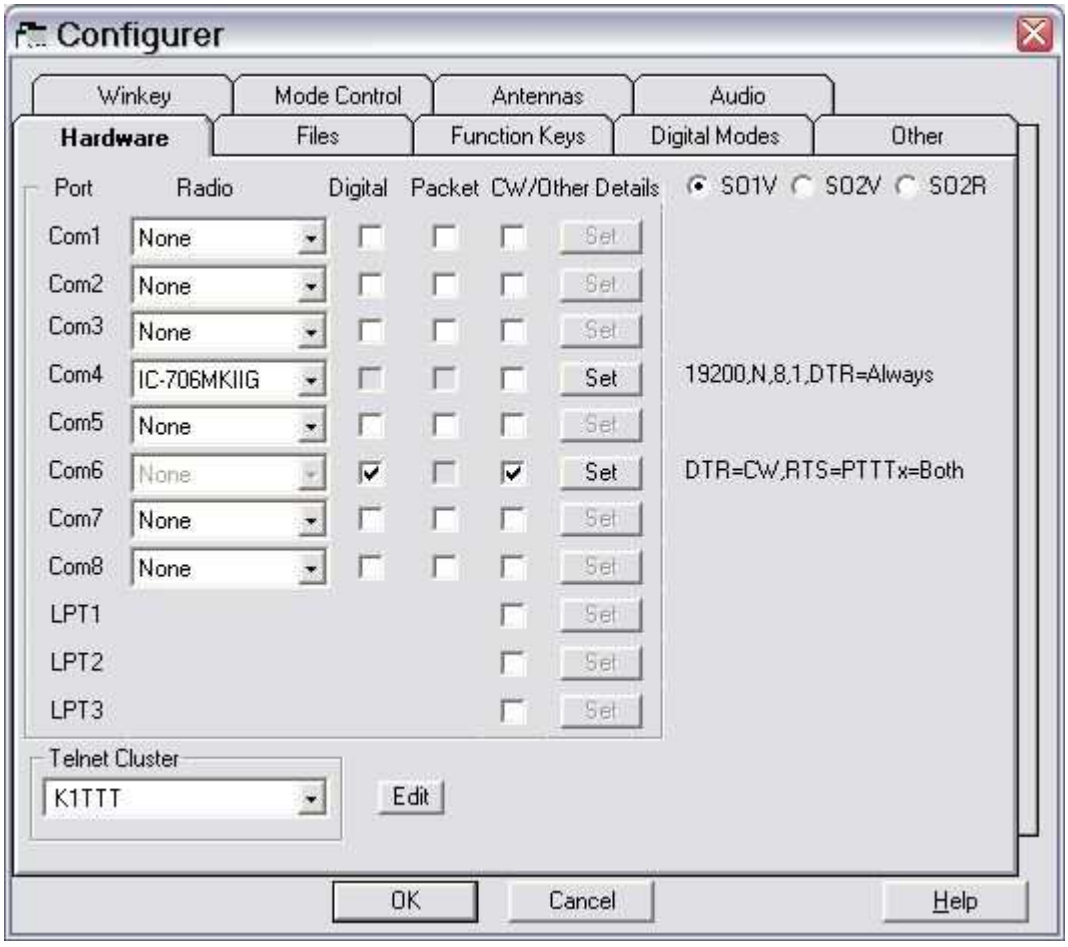
Note: The specific port numbers are not important. The key is consistency - the same port number must be used for a specific function in both Router and the logger.

1. Assign the radio control virtual COM port.
2. Assign a port for CW and PTT. The same port will be used for FSK if you use EXTFSK.

3. Save settings to a preset by selecting menu **Preset | Save as.** Choose a position and name it N1MM.

N1MM setup:

1. Click **Config| Configure Ports, Telent Addresses, Other ...**

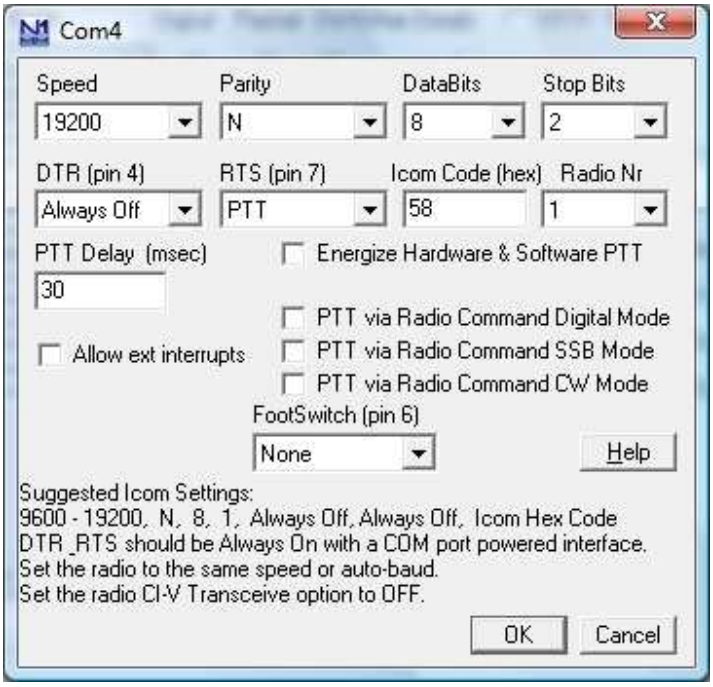


2. Assign the radio to the virtual COM port you created for CAT in Router's Ports tab.

3. On the radio port, click **Set** and set proper communication parameters for your transceiver.

4. **Uncheck** "Energize Hardware & Software PTT"

5. **DO NOT** check any of the "PTT via Radio Command" options.



6. Assign CW and Digital to the virtual port you created for CW and PTT in Router.

   The same port must be used for Digital and CW if you plan to use FSK.

7. Set RTS (pin 7) to PTT.

8. Set DTR (Pin 4) to CW.

9. Set Radio/VFO to **BOTH** - USB Interface II does not support a sub-receiver or SO2V operation.

10. USB Interface II does not support DVK operation.

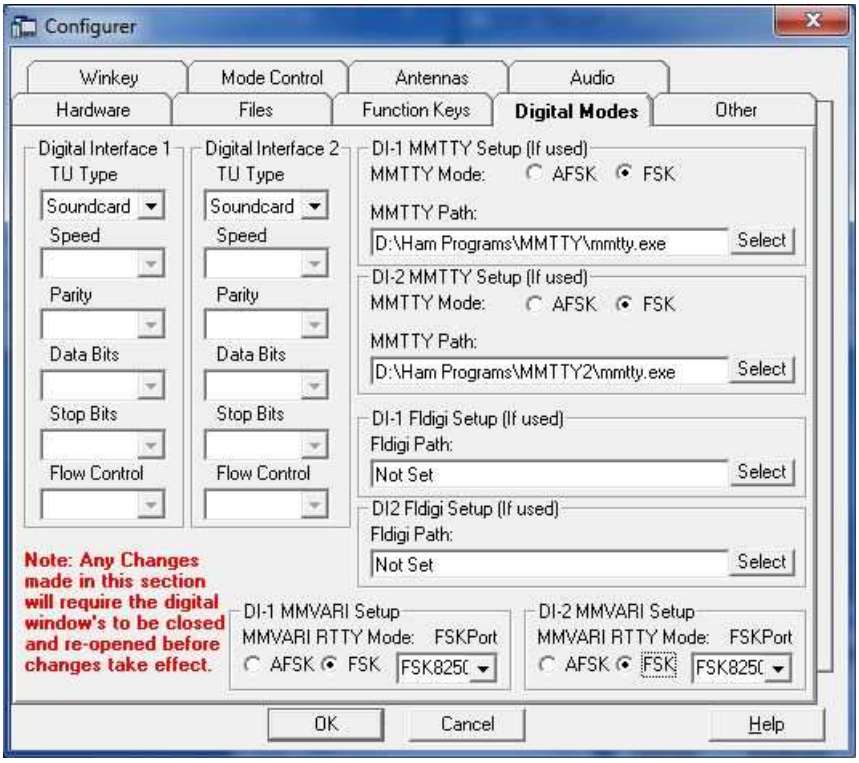
    There is nothing to configure on the Audio Tab.

11. Click OK to close the N1MM Logger Hardware configuration dialog.

MMTTY FSK Setup:

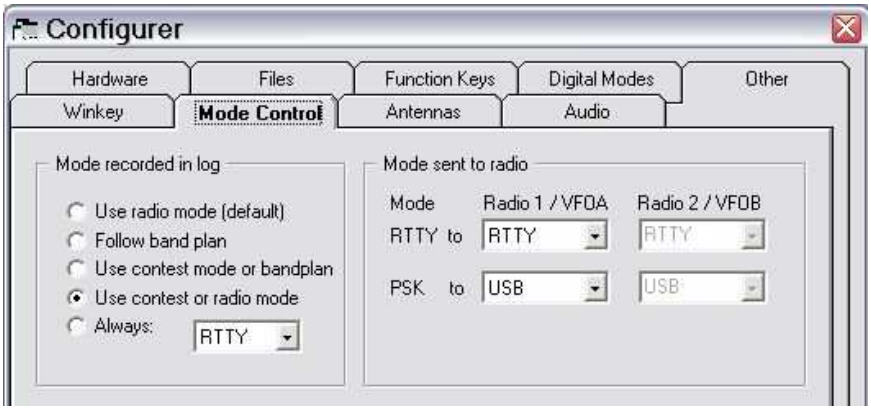
N1MM Logger supports the MMTTY Engine, MMVARI and/or an external TNC for RTTY contesting. This configuration is based on using MMTTY in FSK mode.

FSK requires use of a digital port. Be sure you have defined Digital port in the N1MM "Hardware" tab.



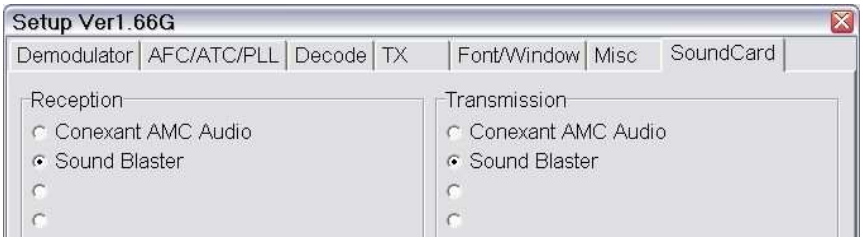
1. Install MMTTY on your computer if it is not already installed.
2. Select the **Digital Modes** tab in the MMTTY Configurer.
3. Set TU Type to Soundcard
4. Select FSK as the MMTTY mode for DI-1.
5. Enter the path to MMTTY.
6. Open the **Mode Control** tab
7. Set the appropriate RTTY and PSK modes for your radio.

   Note: See the N1MM Logger Help files for the supported RTTY and PSK modes for your radios.
8. Select the method to determine which digital mode to log.
9. Click "OK" to save the settings and close the Configurer.



10. Activate the [left] Entry Window (VFO A) and open the Digital Interface (Window | Digital Interface).

11. If this is the first time you have used the Digital Interface, select **Interface | MMTTY** to activate the MMTTY interface.



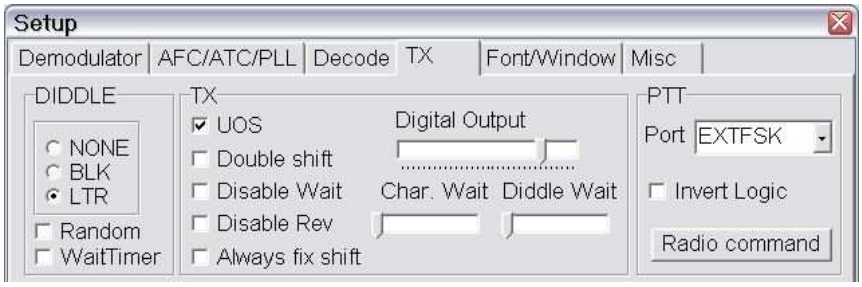
12. In the Digital Interface, Click **Setup | Setup MMTTY.**

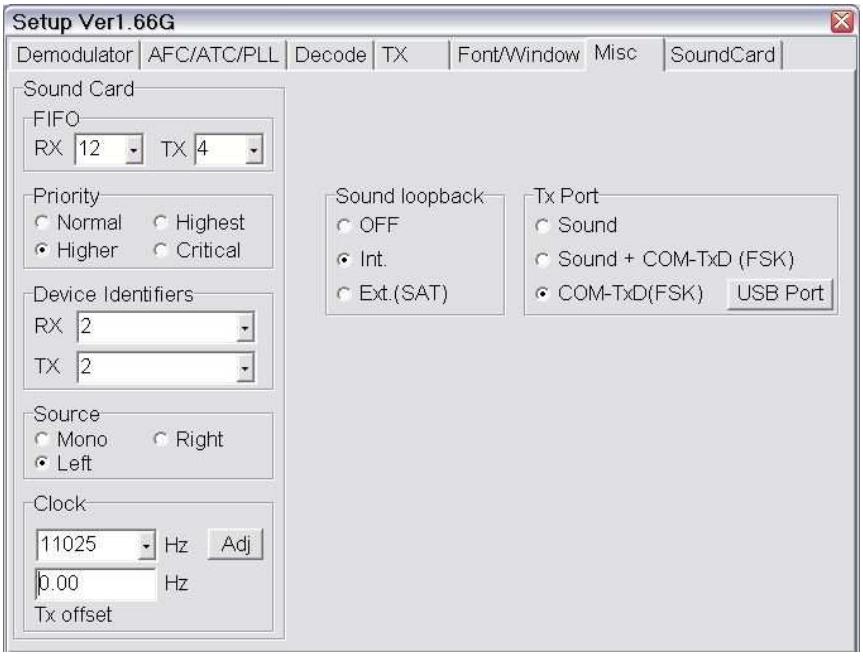
13. Select the "SoundCard" tab.

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

15. Select the TX tab

16. Set PTT & FSK to EXTFSK.





17. Select the Misc tab.

18. Select **Source = Left**

19. Set Tx Port to COM-TxD(FSK)

20. Select the EXTFSK window from the Windows taskbar.

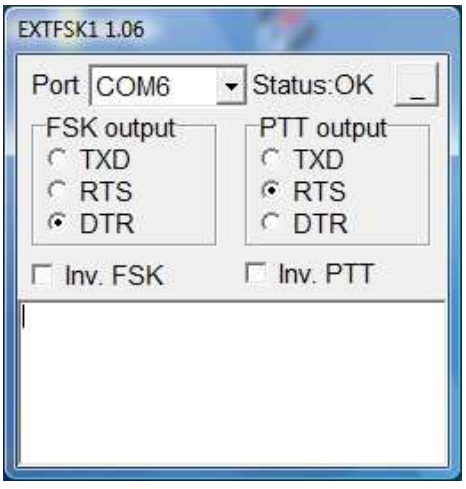
21. Select the Port you chose for CW and PTT in Router

22. Set FSK output to DTR

23. Set PTT output to RTS

24. Return the EXTFSK window to the taskbar.

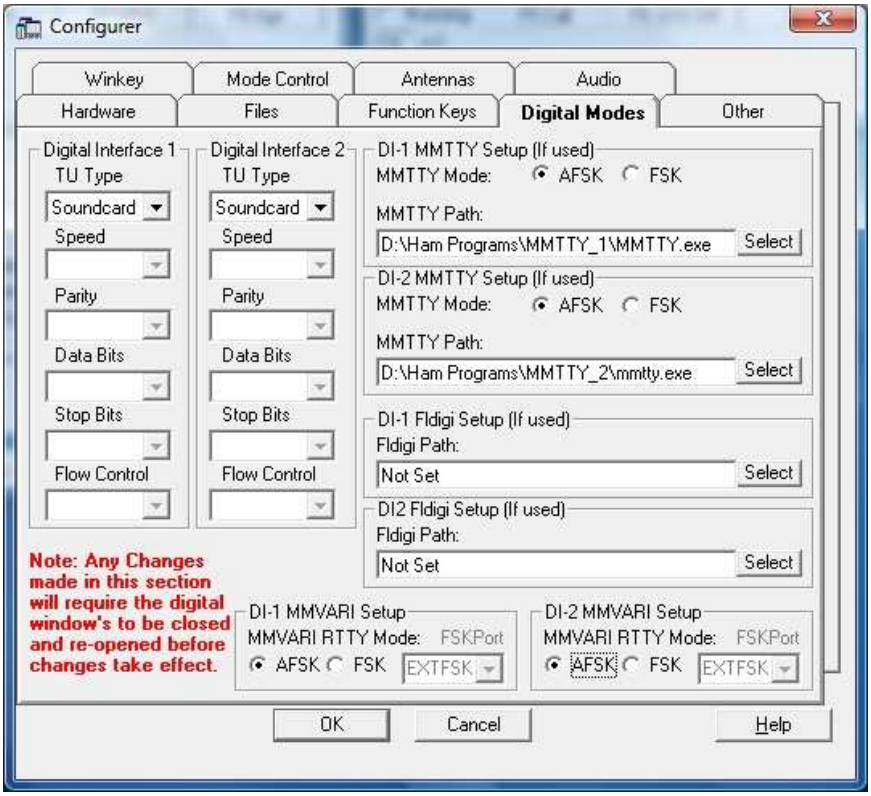
25. Click "OK" to close the MMTTY Set-up



MMTTY AFSK Setup:

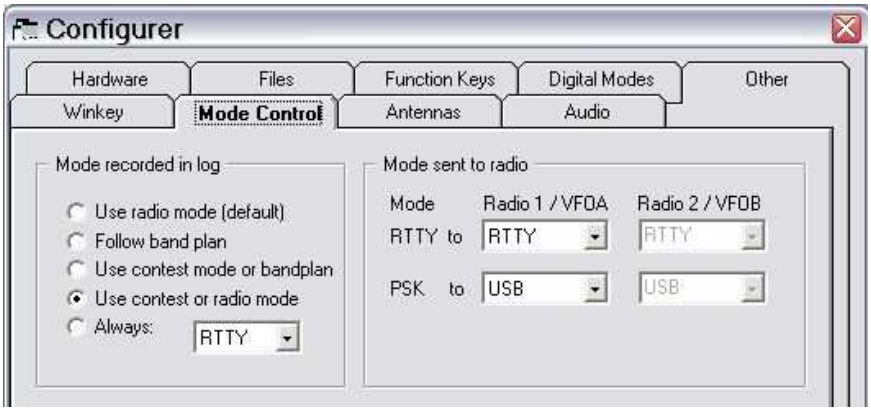
N1MM Logger supports the MMTTY Engine, MMVARI and/or an external TNC for RTTY contesting. This configuration is based on using MMTTY in AFSK mode.

AFSK does not require a digital port. If you will be using only AFSK and PSK, it is not necessary to define "Digital" ports on the N1MM "Hardware" tab.



1. Install MMTTY if you have not already done so.
2. Select the **Digital Modes** tab in the MMTTY Configurer.
3. Set the TU Type to Soundcard
4. select AFSK as the MMTTY mode for DI-1.
5. Enter the path to for MMTTY.
6. Open the **Mode Control** tab
7. Set the appropriate RTTY and PSK modes for each radio.

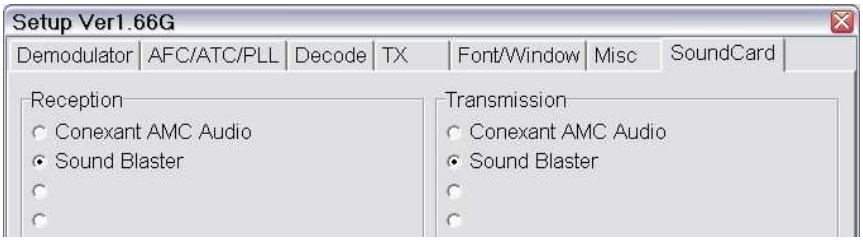
   Note: See the N1MM Logger Help files for the supported RTTY and PSK modes for your radios.
8. Set the method to determine the mode recorded in the log.



9. Save and Close the Configurer.

10. Activate the [left] Entry Window (VFO A) and open the Digital Interface (Window | Digital Interface).

11. If this is the first time you have used the Digital Interface, select **Interface | MMTTY** to activate the MMTTY interface.



12. In the Digital Interface, Click **Setup | Setup MMTTY.**

13. Select the "SoundCard" tab.

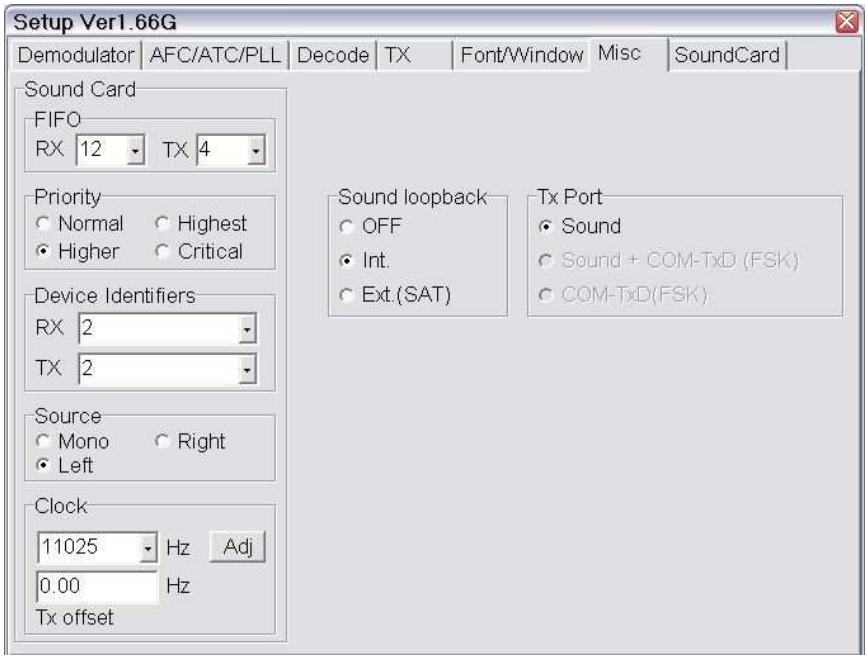
14. Set Reception and Transmission to the sound card connected to USB Interface II.

15. Select the Misc Tab

16. Select **Source = Left**

17. Set Tx Port to **Sound**.

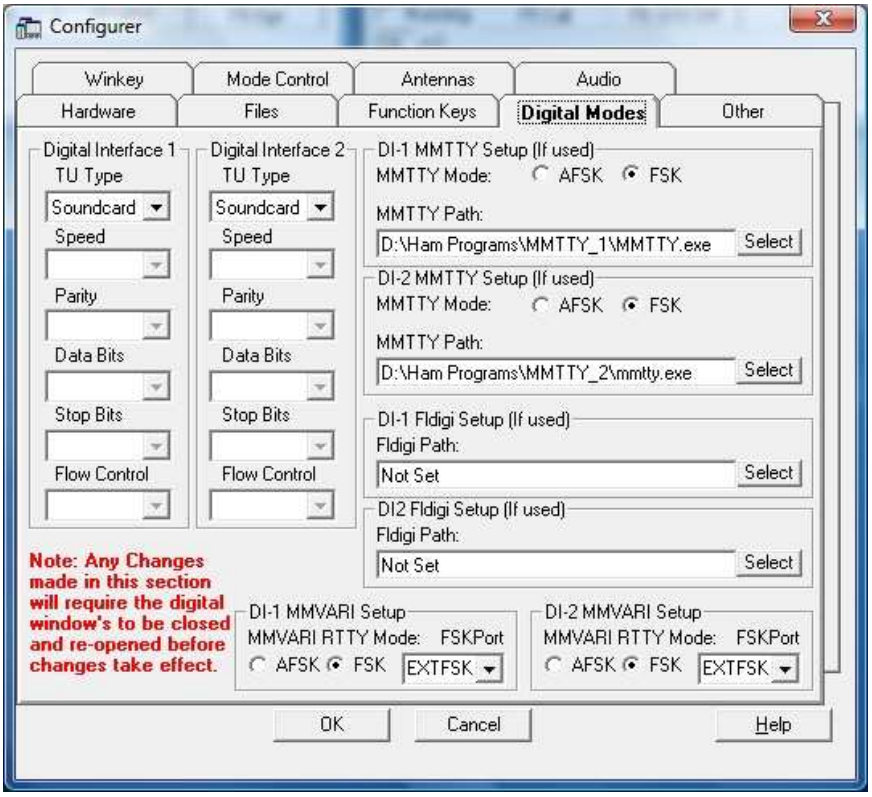
18. Click "OK" to close MMTTY Set-up



MMVARI with FSK:

N1MM Logger supports the MMTTY Engine, MMVARI and/or an external TNC for RTTY contesting. This configuration is for **FSK RTTY** and PSK.

FSK requires use of a digital port. Be sure you have defined Digital port in the N1MM "Hardware" tab.

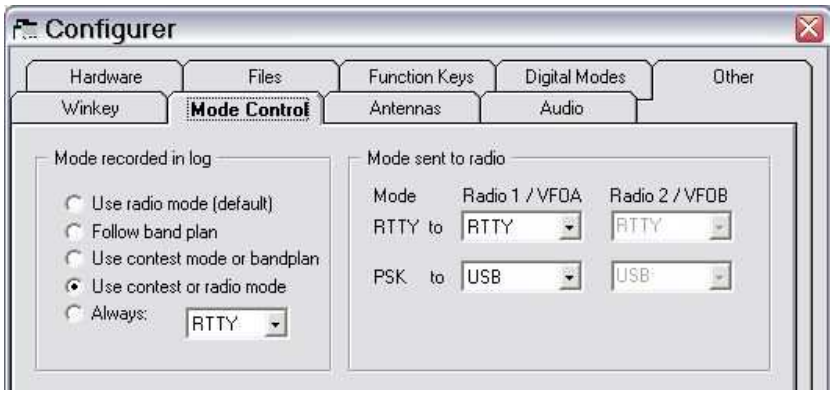


1. Select the **Digital Modes** tab in the N1MM Logger Configurer.
2. Set the TU Type to Soundcard
3. select FSK as the MMVARI RTTY mode for DI-1.
4. Set the FSK Port to EXTFSK for DI-1.
5. Open the **Mode Control** tab

6. Set the appropriate RTTY and PSK modes for your radio.

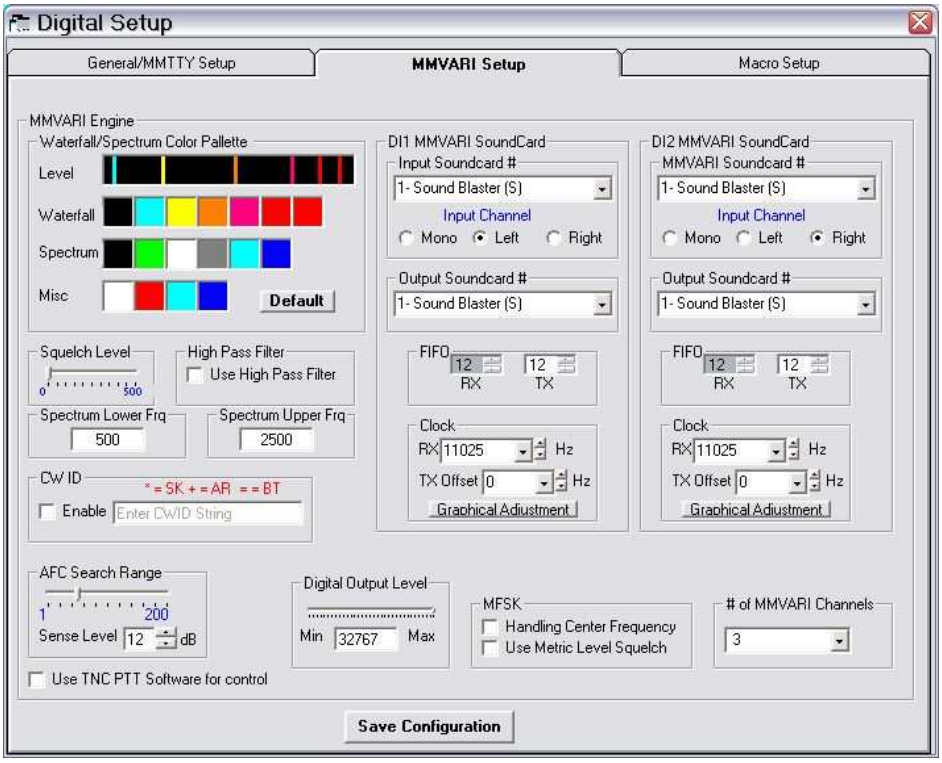
   Note: See the N1MM Logger Help files for the supported RTTY and PSK modes for your radios.

7. Set the method to determine the mode recorded in the log.
8. Save and Close the N1MM Configurer.



9. Activate the left Entry Window (Radio 1) and enter PSK.

10. Click **Setup | Settings.** Select MMVARI as the Preferred RTTY Interface and Preferred PSK Interface.



11. Select **MMVARI Setup.**

12. Set Input Soundcard # to the sound card connected to USB Interface II and select the **Left** Input Channel.

13. Set Output Soundcard # to the sound card connected to USB Interface II.

14. Save the configuration.

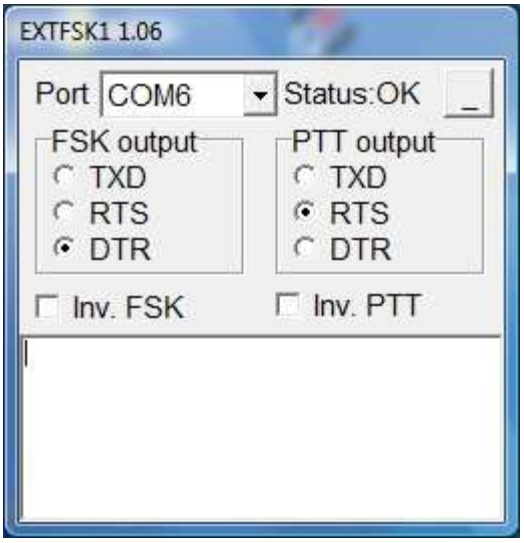
15. Select the EXTFSK window from the Windows taskbar.

16. Select the Port you chose for CW and PTT in Router

17. Set FSK output to DTR

18. Set PTT output to RTS

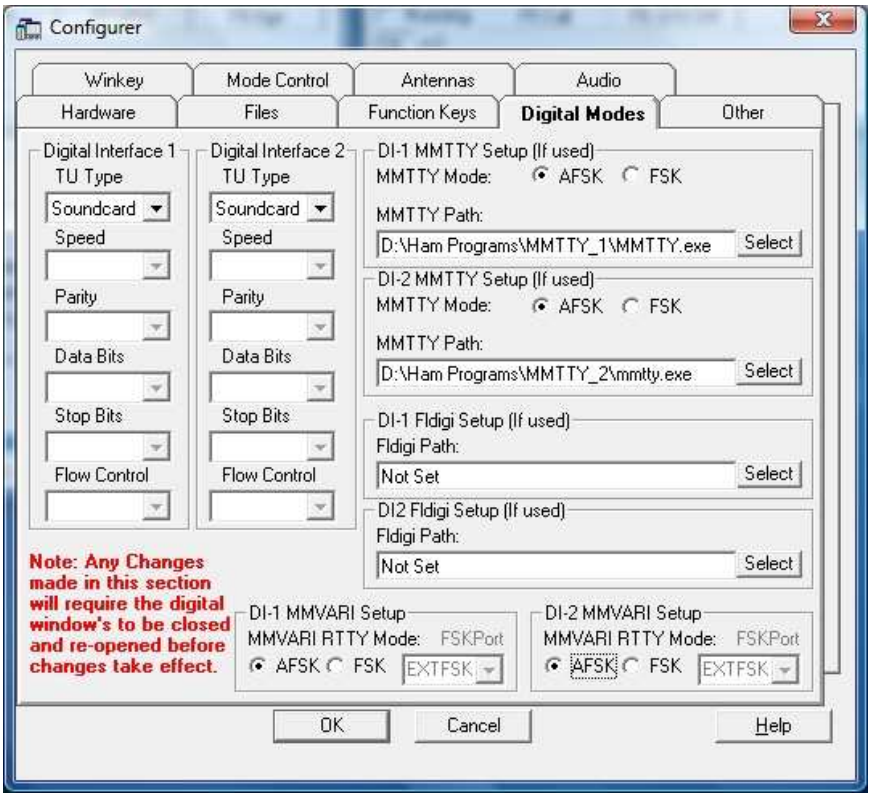
19. Return the EXTFSK window to the taskbar.



MMVARI with AFSK:

N1MM Logger supports the MMTTY Engine, MMVARI and/or an external TNC for RTTY contesting. This configuration is for **AFSK RTTY** and PSK.

AFSK and PSK do not require the use of a digital port. Do not configure a Digital Port in N1MM Logger.

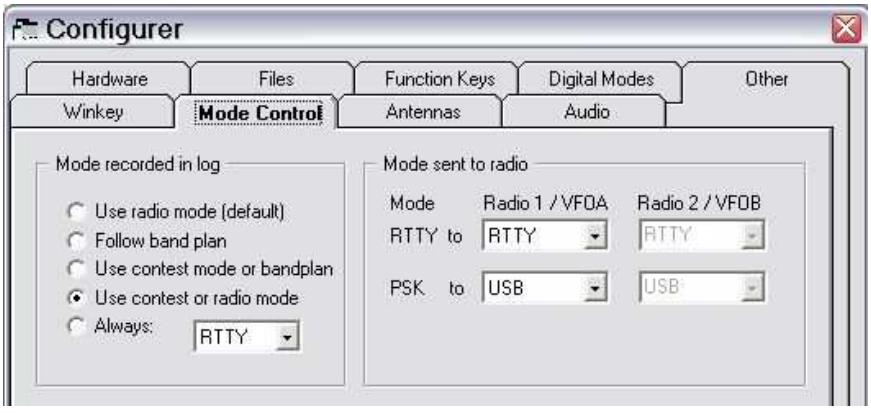


1. Select the **Digital Modes** tab in the N1MM Logger Configurer.
2. Set the TU Type to Soundcard
3. select AFSK as the MMVARI RTTY mode DI-1 and DI-2.
4. Open the **Mode Control** tab

5. Set the appropriate RTTY and PSK modes for your radio.

   Note: See the N1MM Logger Help files for the supported RTTY (AFSK) and PSK modes for your radios.

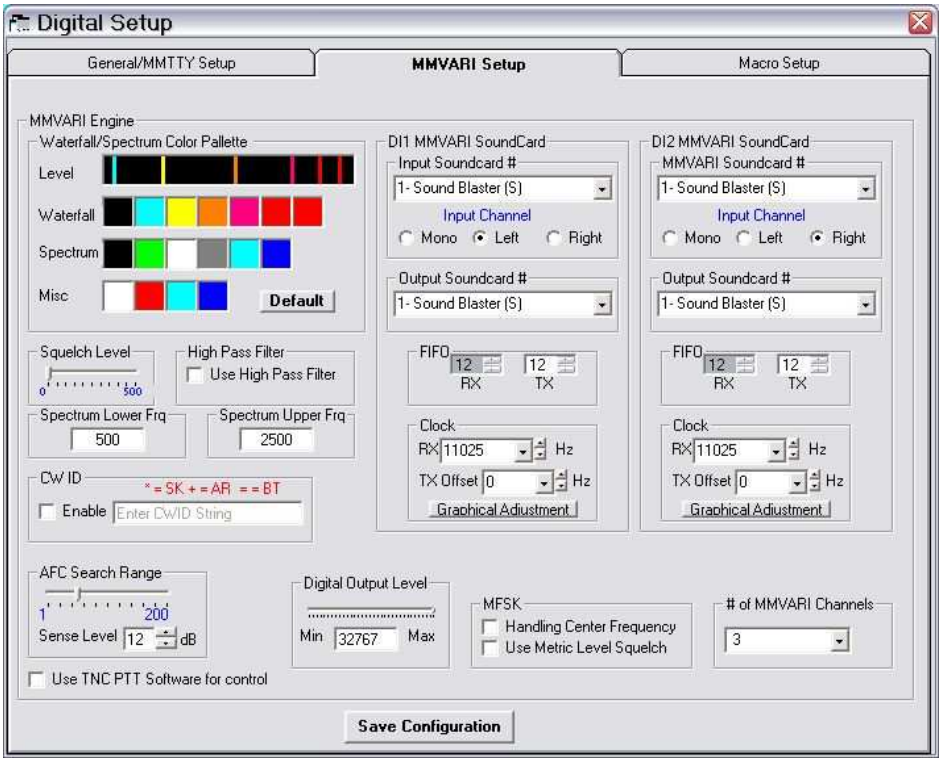
6. Set the method to determine the mode recorded in the log.



7. Save and Close the N1MM Configurer.

8. Activate the left Entry Window (Radio 1) and enter PSK.

9. Click **Setup | Settings.** Select MMVARI as the Preferred RTTY Interface and Preferred PSK Interface.



10. Select **MMVARI Setup.**

11. Set Input Soundcard # to the sound card connected to USB Interface II and select the **Left** Input Channel.

12. Set Output Soundcard # to the sound card connected to USB Interface II.

13. Save the configuration.