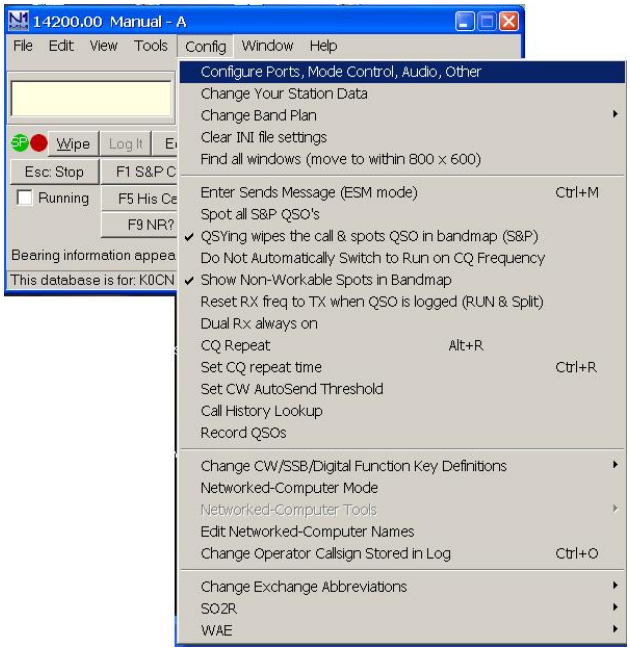
Setup for N1MM and MMTTY with the Navigator Interface

Author: Clint Hurd, KK7UQ
Navigator Tech Support
discobay@waypt.com
(360) 379-1420
Updated by Al Senechal K0CN

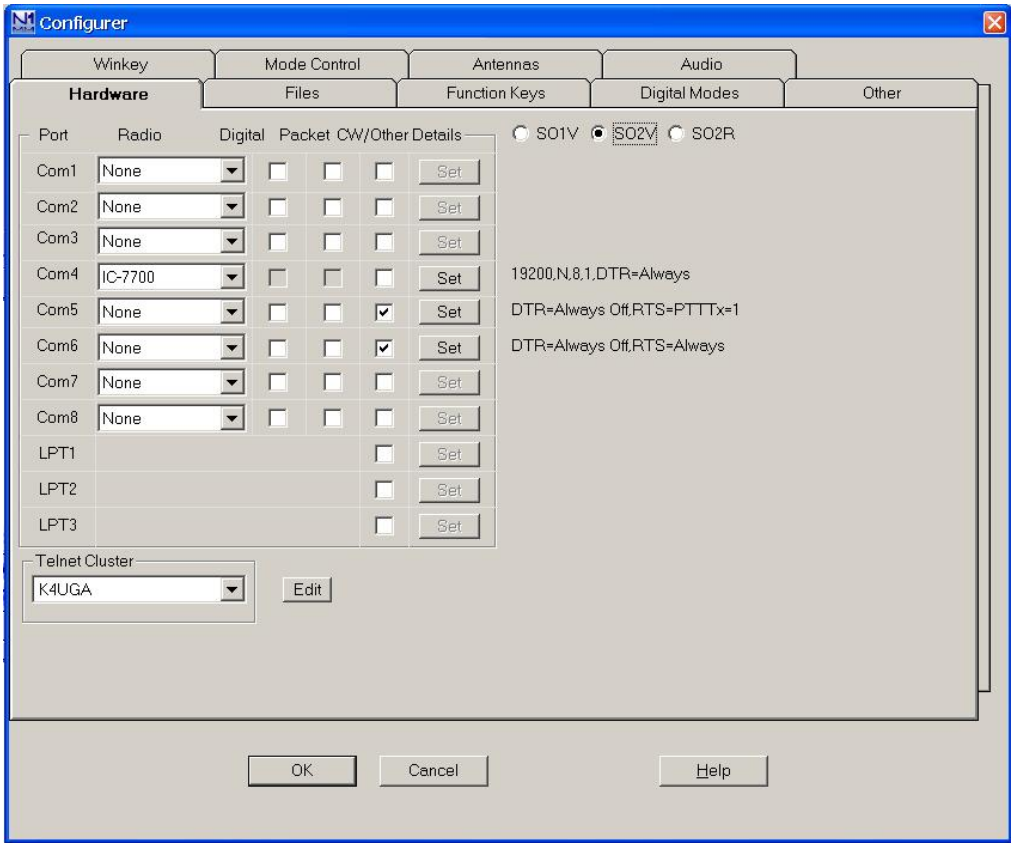
Screen shots of the N1MM setup screens are shown below.

The configuration was
Windows: XP x64 computer.
Interface: Navigator
Transceiver: Icom 7700
Station: K0CN
N1MM Version: 11.11.0
My COM Ports (yours may be different)
Com 1 – Comport
Com 4 - CAT
Com 5 - PTT
Com 6 - WinKey
Com 7 – FSK
Com 8 – RS232
Com9 = Config

First, Start N1MM – Find the Entry window and go to the Config tab and select "Configure Ports, Mode Control, Audio, Other".

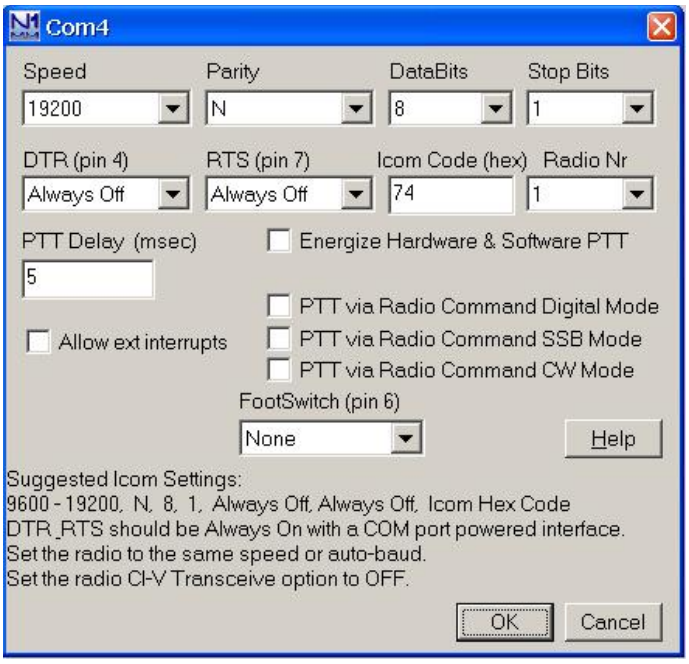


This will bring up the "Configurer" window.



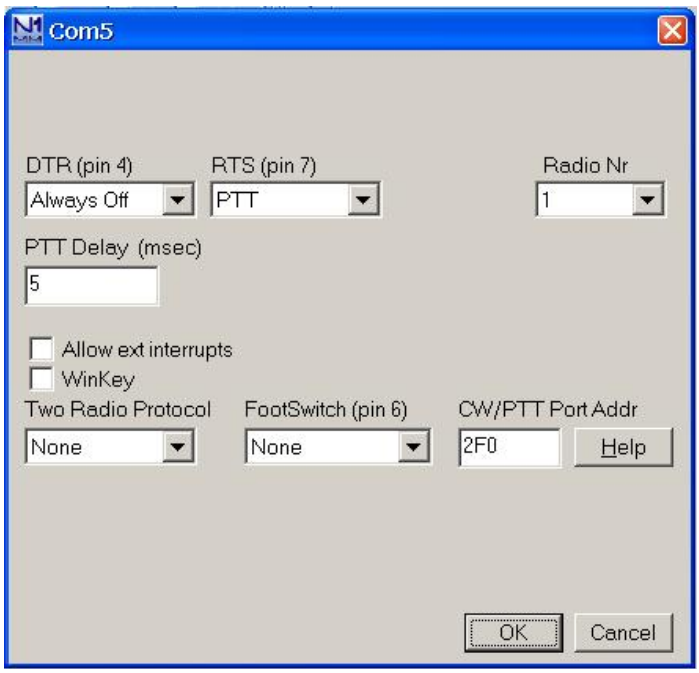
Select the **Hardware** tab and you should see the window above. In this case, Com4 is the CAT port, Com5 is the PTT Port, Com 6 is the WinKey Port and Com 7 is the FSK Port.

For the CAT Port, in this case Com4, select the radio that you are using from the pull down menu. In this case it will be the IC-7700. Next press the Set button. This will open a Com4 window. Enter the information that is appropriate to your station. Be sure the Speed window value and the baud rate for the radio match. Press the OK button and you will return to the Configurer window.

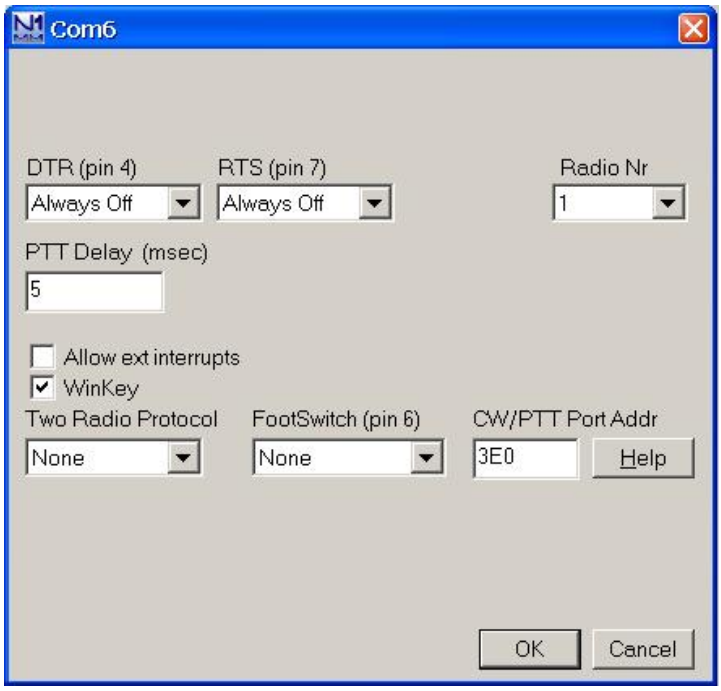


Now, configure the remaining Com Ports. To make the settings for each remaining comport, click on the "Set" button and you will see the corresponding Com# window.

For this example, next go to Com5, PTT.

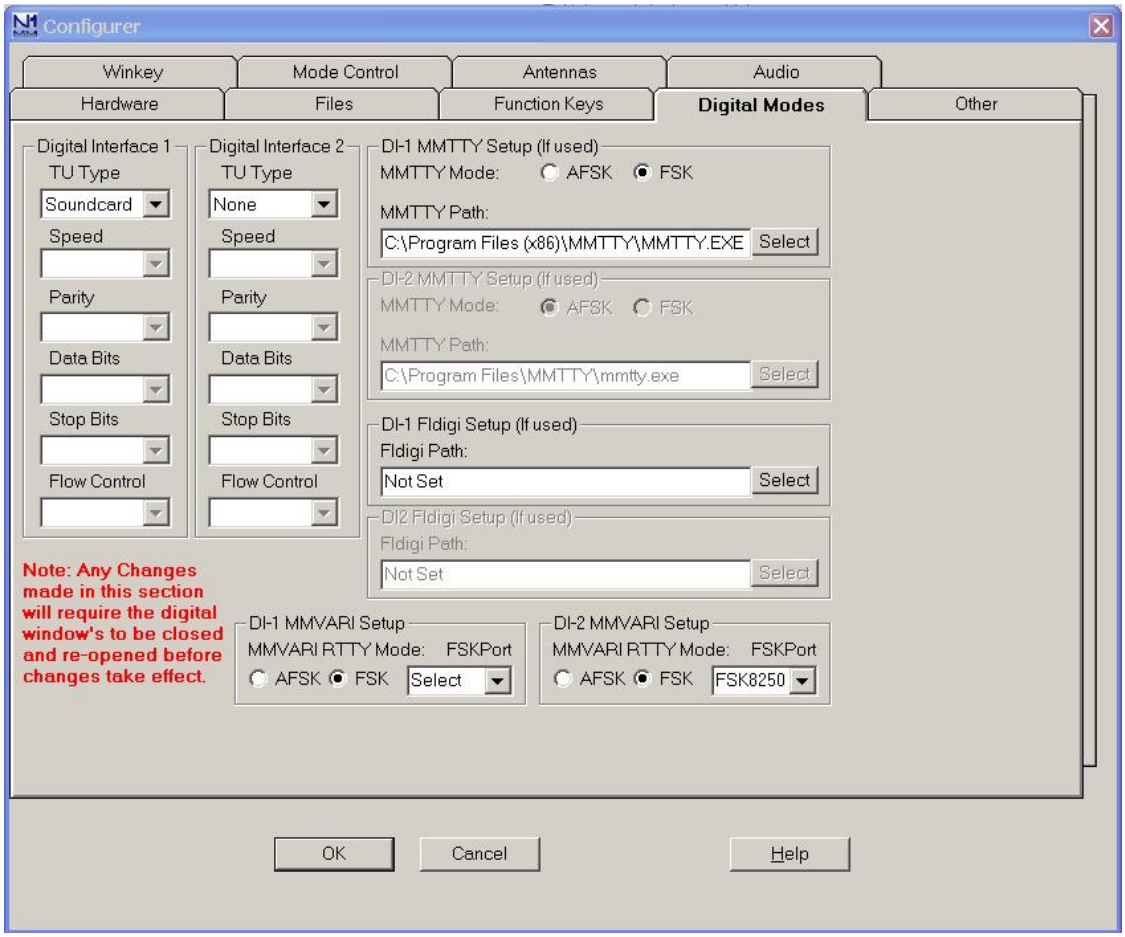


Next go to Com6, WinKey.

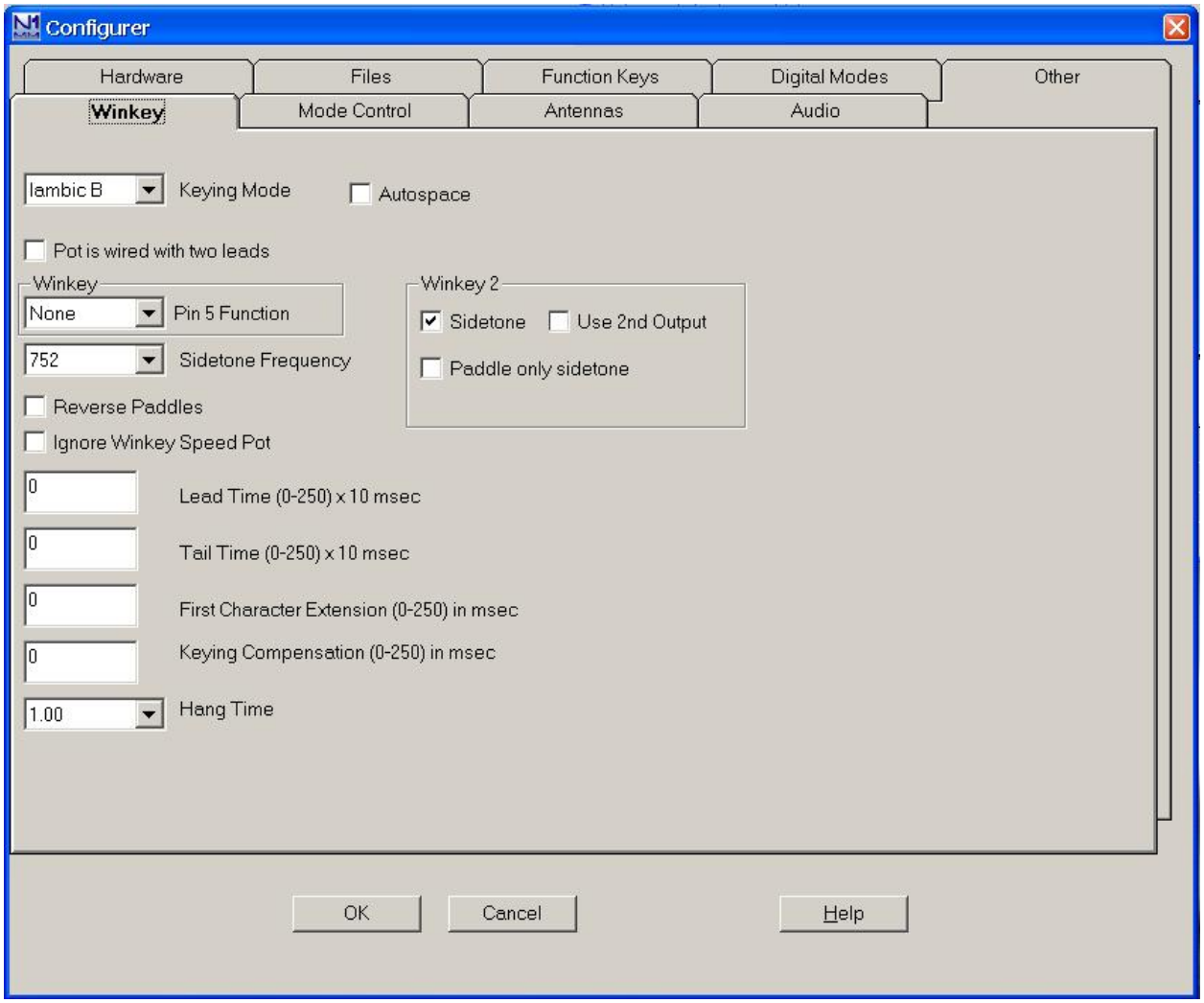


This finishes the Hardware setup.

From the Configurer Window, select the Digital Modes tab and set it up as shown below. This setup is for a single radio configuration, so Digital Interface 1 is the only one defined. It is set for FSK mode.

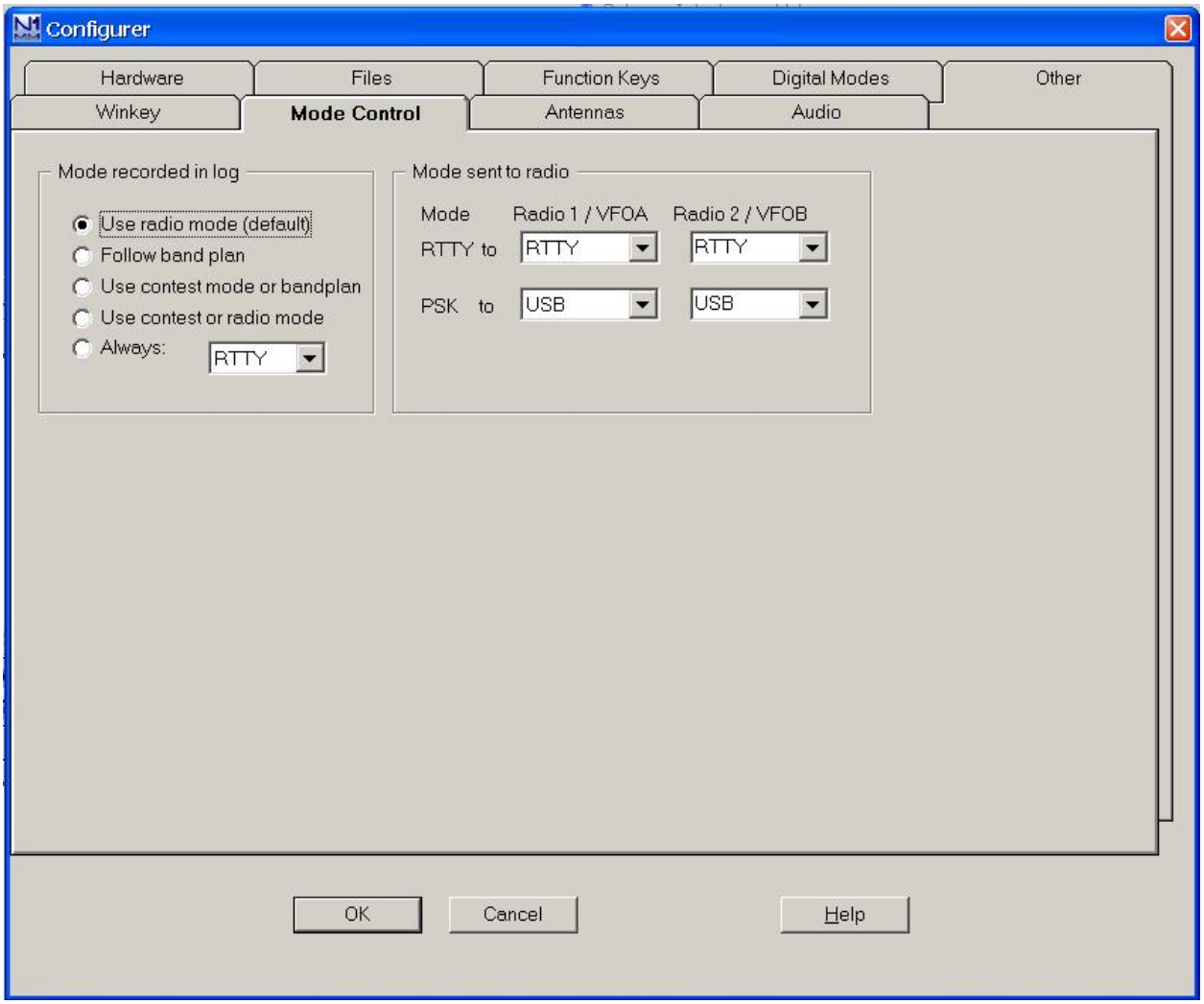


Next Select the WinKey Tab.



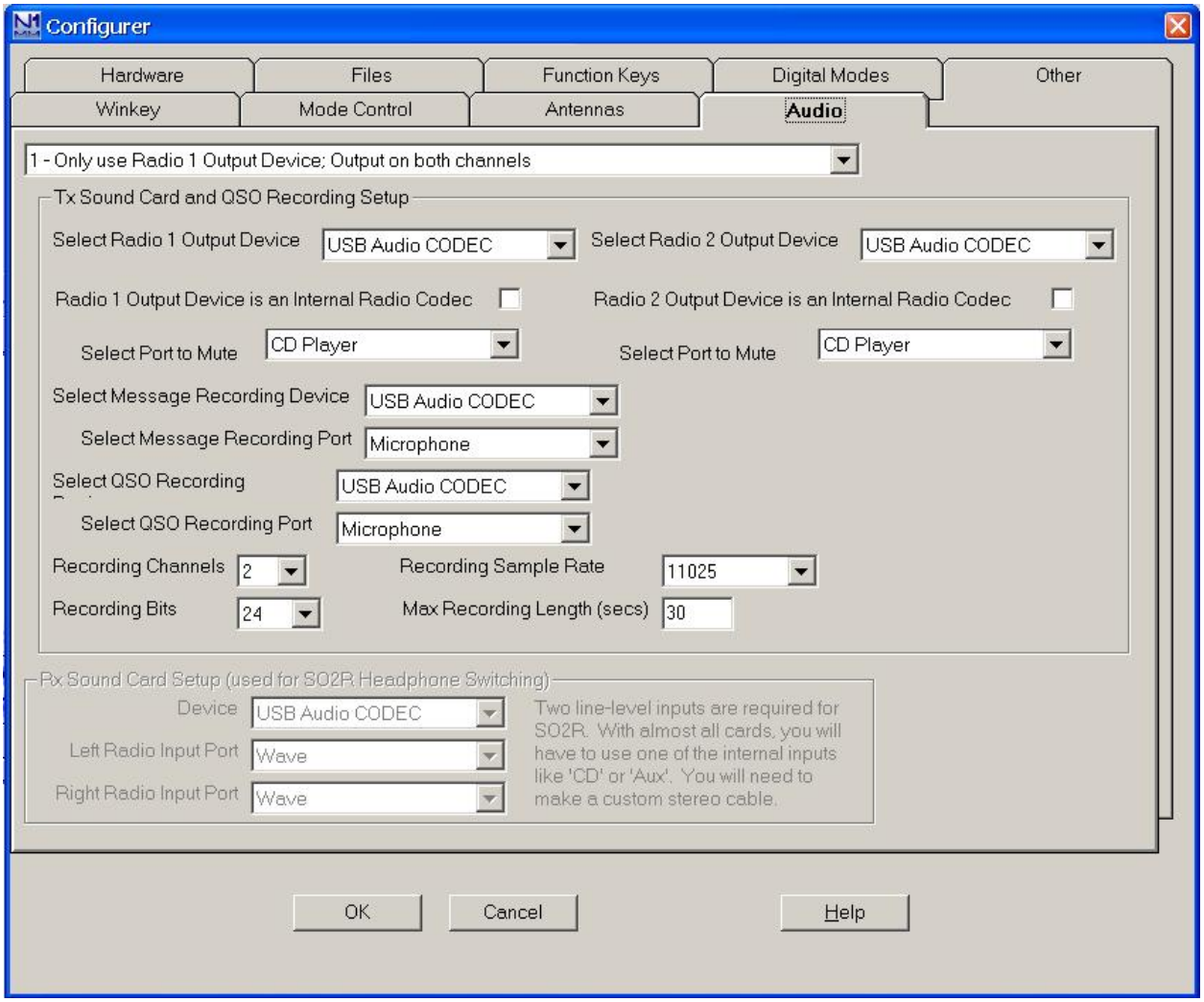
You may want to enter your own values for Lead Time, Tail Time, First Character Extension, and Keying Compensation. Also select your preferred Hang Time. If you only want side tone when you use paddle, but not when you use macro or keyboard, select Paddle Only Sidetone.

Next select the Mode Control Tab.



Mode Control defines the transceiver mode to use for RTTY and for PSK. The example above RTTY means that when DATA mode is selected and the sub mode is set to FSK. For PSK, USB mode is selected since it is a sound card mode.

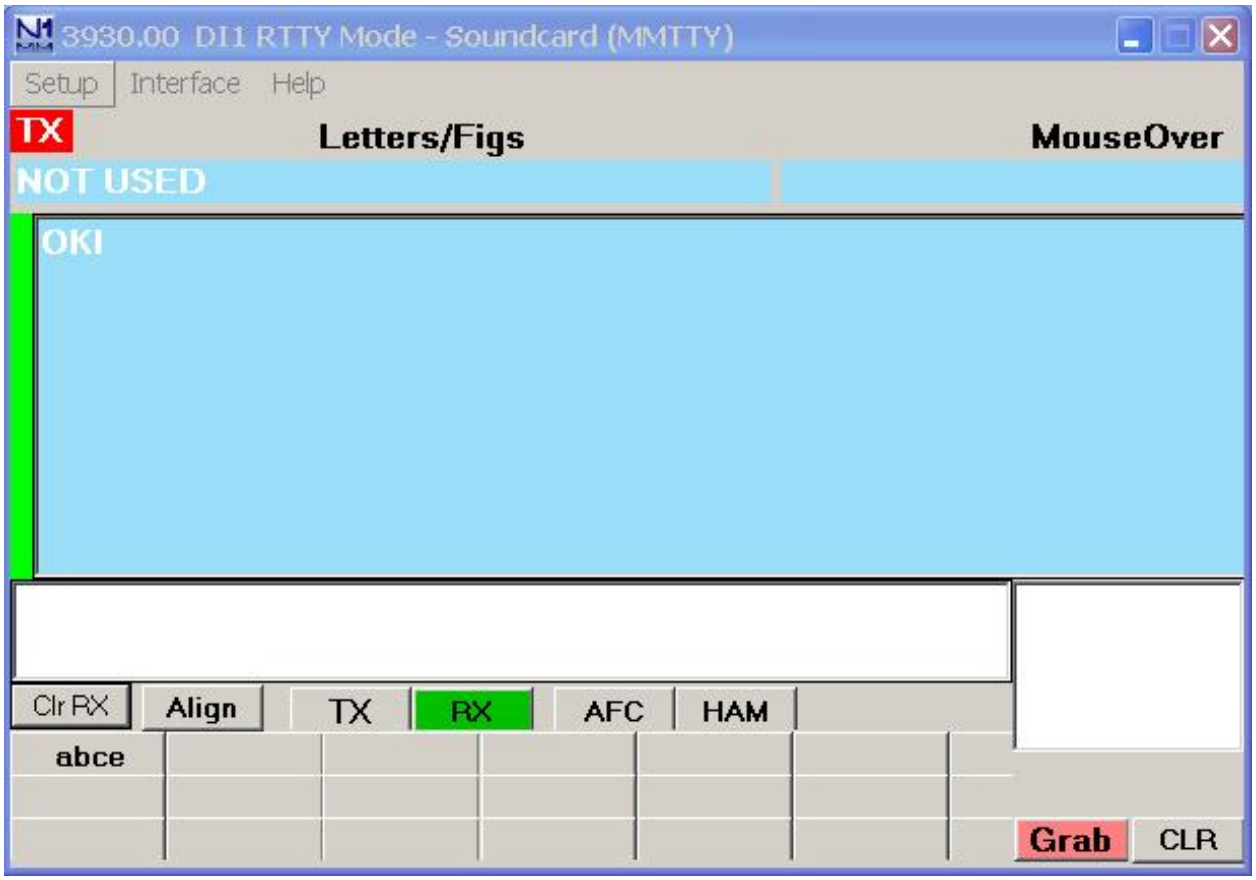
Next select the Audio tab.



The Audio Tab defines which sound card to use. For the Navigator, it is USB Audio Codec. Note that Recording Sample rate does not have 12000 in the drop down list. Later versions of N1MM may support 12000 if so, select it in lieu of 11025.

Press the OK button.

Next on the Enter window, select the Window tab and open the Digital Interface window.


3930.00 DI1 RTTY Mode - Soundcard (MMTTY)
Setup
Interface
Help
TX
Letters/Figs
MouseOver
NOT USED
OKI
Clr RX
Align
TX
RX
AFC
HAM
abce
Grab
CLR