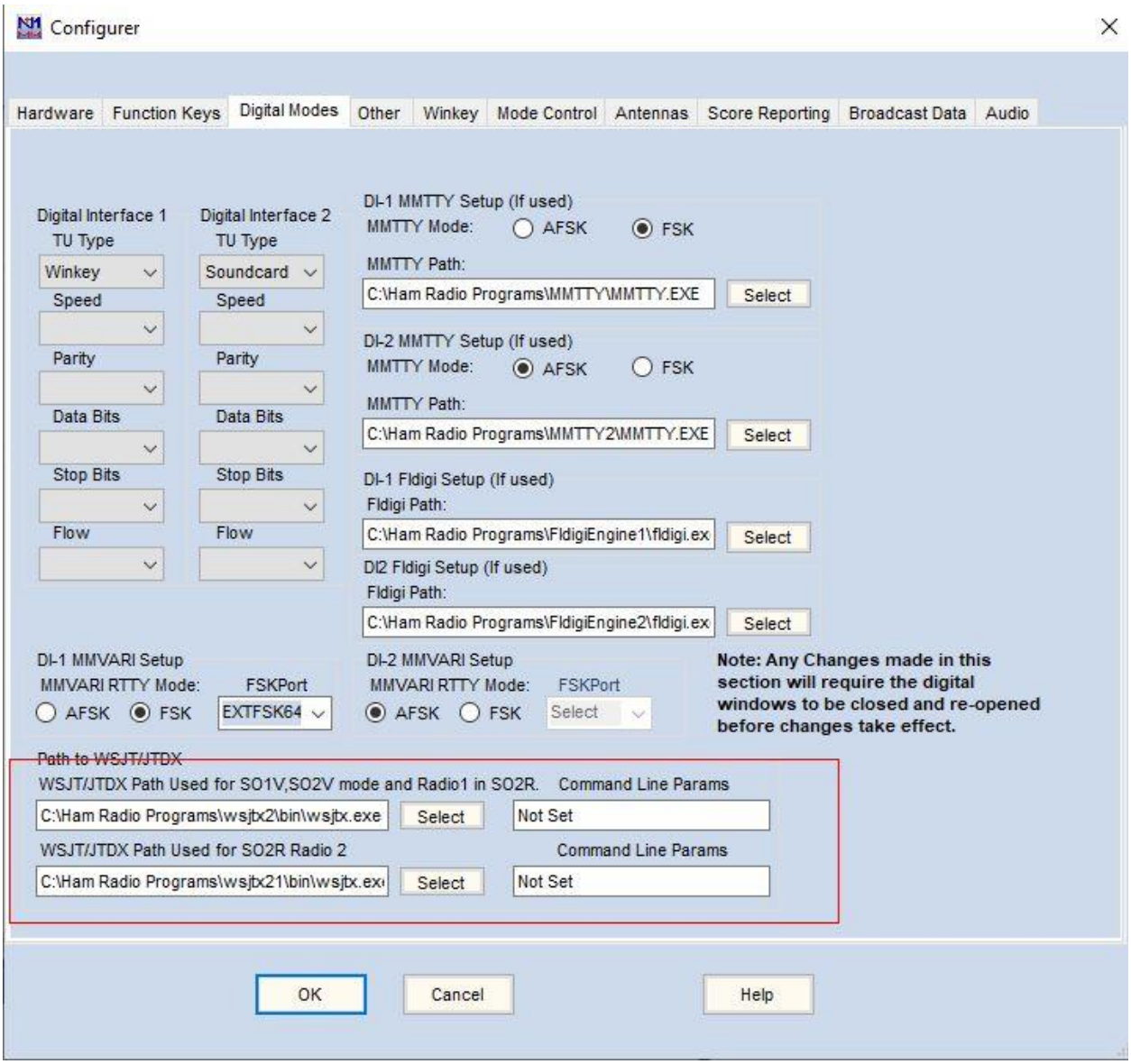
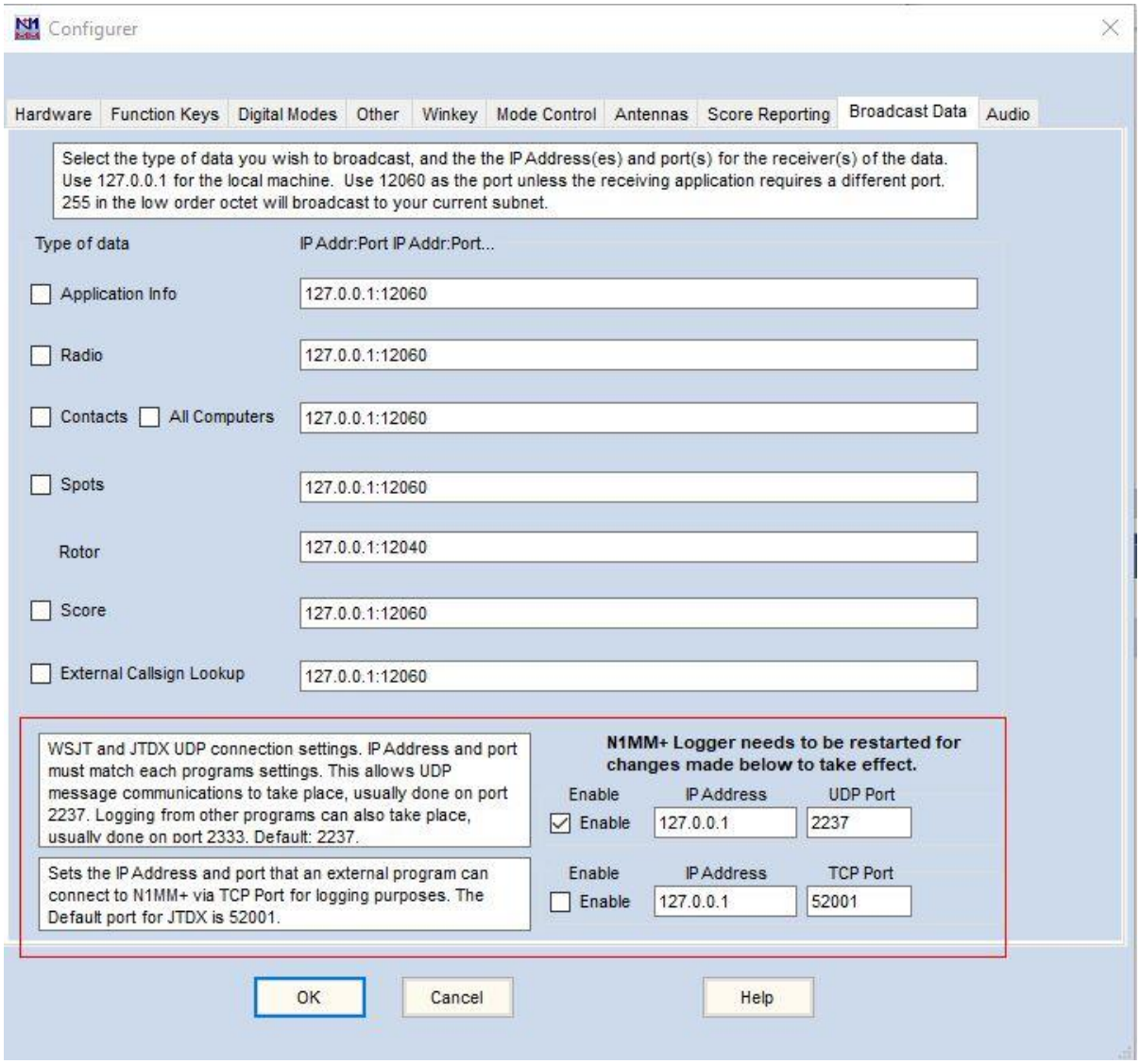
There have been many changes to the N1MM+ logger to ease functionality with WSJT-X and JTDX. These changes include using the Radio setup in N1MM to control the radio functions in WSJT-X or JTDX, All logging and UDP messaging done over one UDP port instead of multiple ports. I will try to show the correct setup instructions for using these new changes.

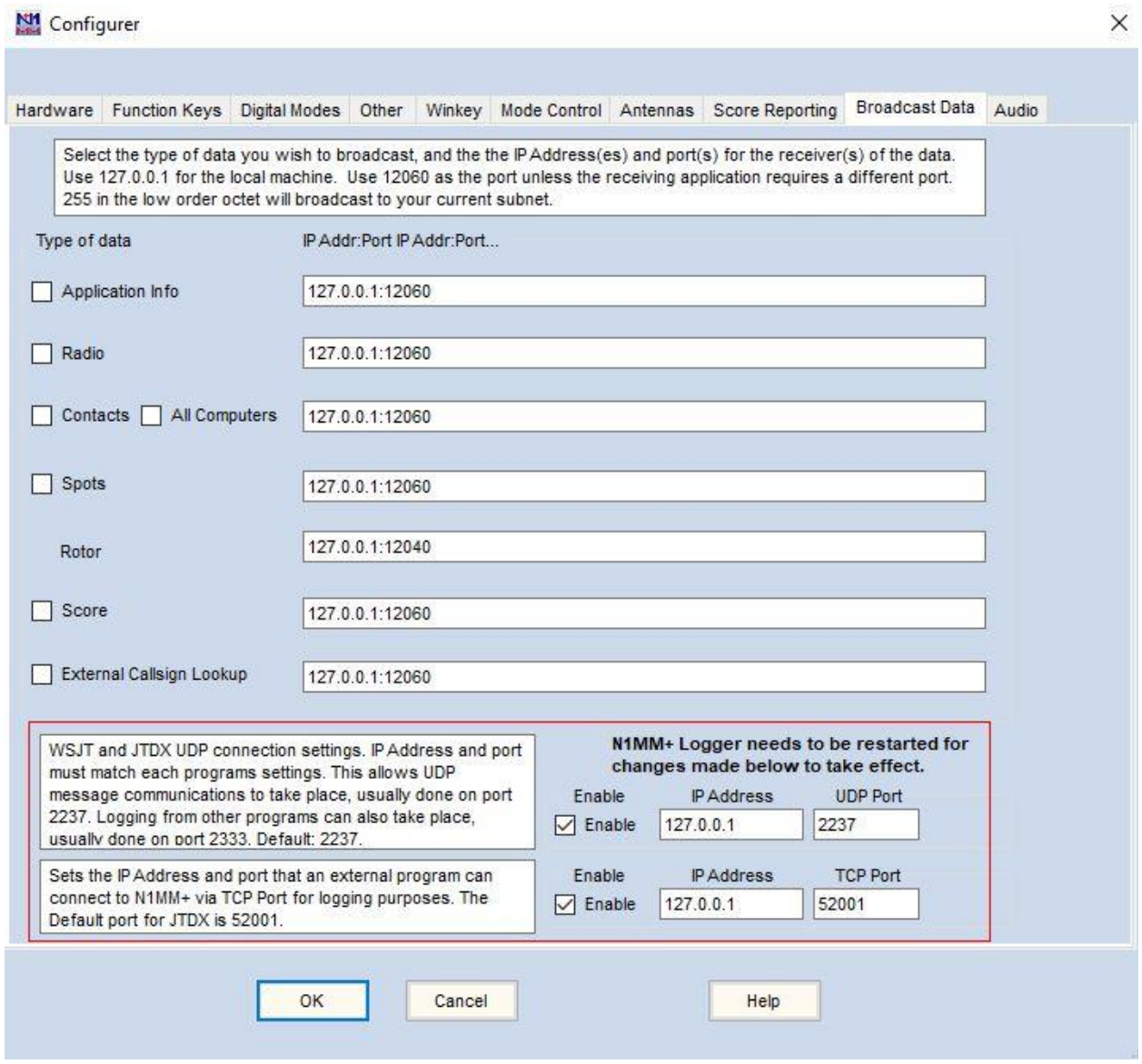
1. Open the main N1MM+ Config area and click on the Digital Tab. At the bottom of that tab you will find entry windows to set the path to where WSJT-X.exe or JTDX.exe reside on your computer. If you click the Select button it will open a file browser window and let you select the location of the file. On the right side of the Select button there is a place to enter in Command Line Params for Loading WSJT-X and JTDX. If you do not use the Command Line Params just leave them set to Not Set or blank.



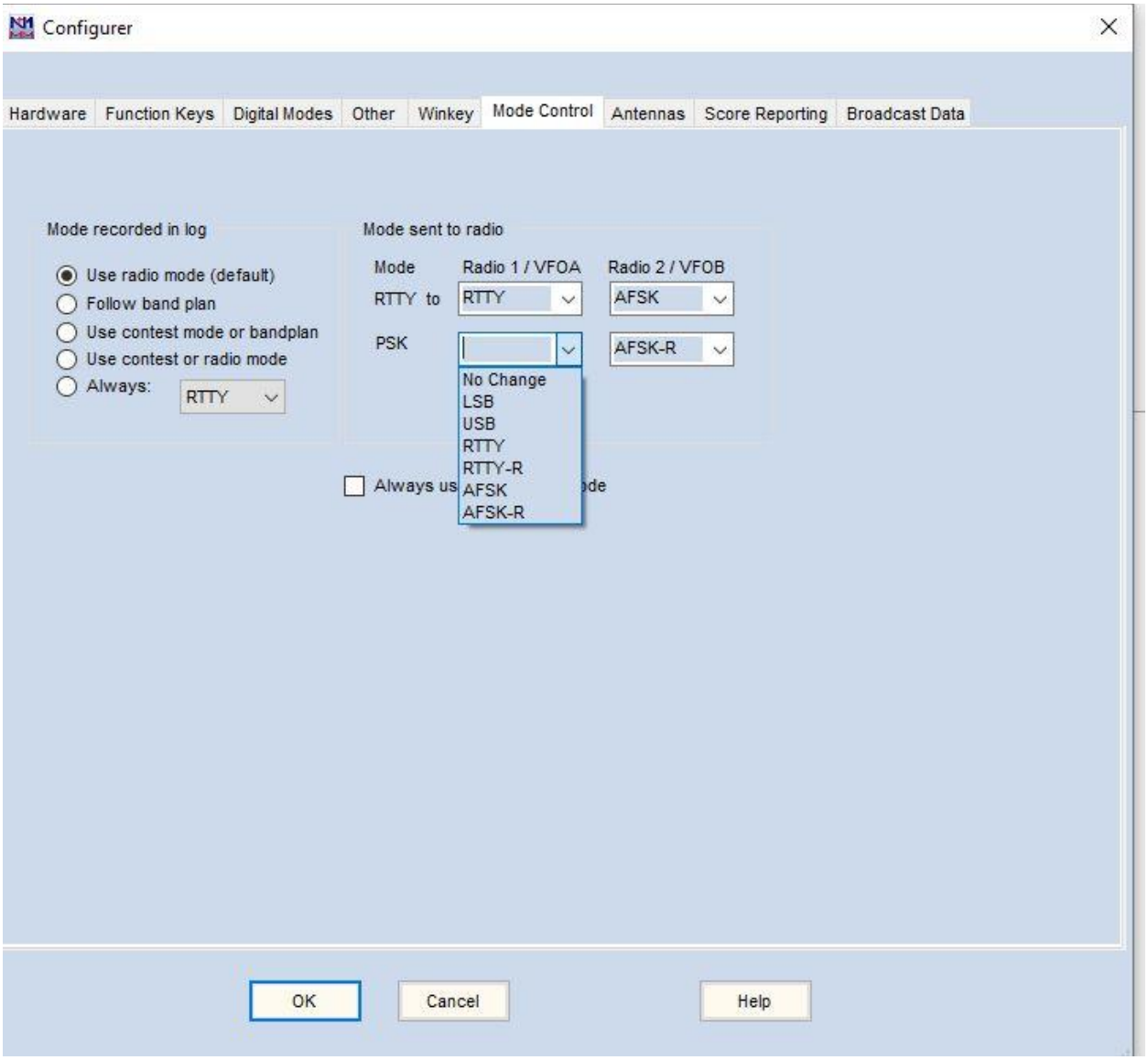
2. After entering the Path to WSJT-X or JTDX click on the Broadcast Data tab. At the bottom of that tab you will other settings for setting up the UDP and TCP ports for communications between N1MM+ and either of the 2 programs. There are different settings depending on which program you are using.
   A. WSJT-X
      when using WSJT-X by itself you will need to configure the port as is shown in the image below. You should set the IP address to 127.0.0.1 and the UDP port to 2237. You do not need to enable the second setting at all as all logging is done via the UDP port.



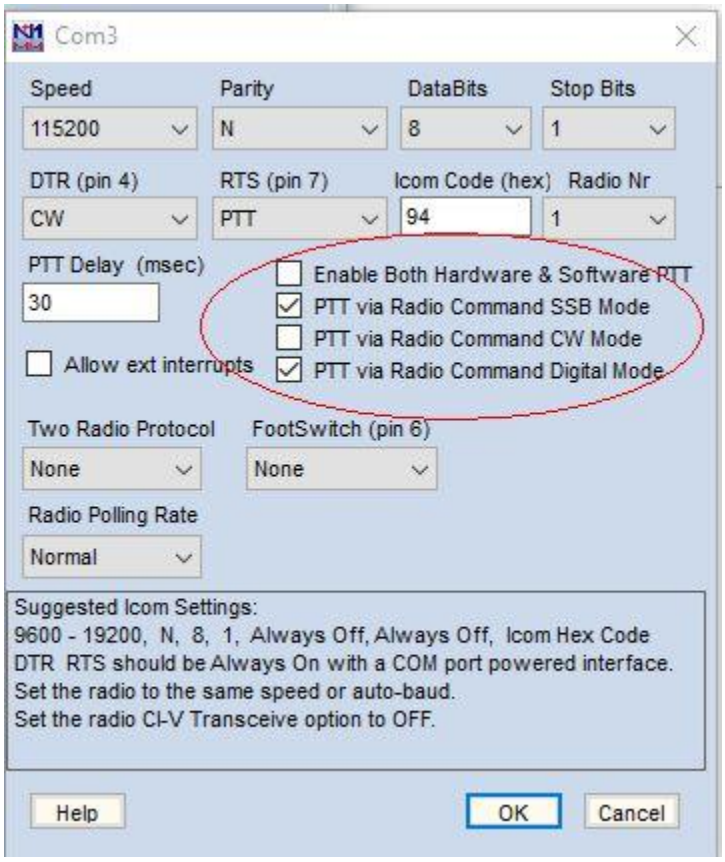
   B. JTDX
      when using JTDX you need to configure both settings like shown below in the image. The first setting needs to be enabled and the UDP port set to 2237. The second setting also needs to be enabled with the IP Address set to 127.0.0.1 and the TCP port enabled and set to 52001. The second setting is needed for JTDX to transfer the qso information to N1MM+ upon logging the qso in JTDX.


Configurer
Hardware
Function Keys
Digital Modes
Other
Winkey
Mode Control
Antennas
Score Reporting
Broadcast Data
Audio
Select the type of data you wish to broadcast, and the the IP Address(es) and port(s) for the receiver(s) of the data. Use 127.0.0.1 for the local machine. Use 12060 as the port unless the receiving application requires a different port. 255 in the low order octet will broadcast to your current subnet.
Type of data
IP Addr:Port IP Addr:Port...
Application Info
127.0.0.1:12060
Radio
127.0.0.1:12060
Contacts
All Computers
127.0.0.1:12060
Spots
127.0.0.1:12060
Rotor
127.0.0.1:12040
Score
127.0.0.1:12060
External Callsign Lookup
127.0.0.1:12060
WSJT and JTDX UDP connection settings. IP Address and port must match each programs settings. This allows UDP message communications to take place, usually done on port 2237. Logging from other programs can also take place, usually done on port 2333. Default: 2237.
N1MM+ Logger needs to be restarted for changes made below to take effect.
Enable
IP Address
UDP Port
Enable
127.0.0.1
2237
Sets the IP Address and port that an external program can connect to N1MM+ via TCP Port for logging purposes. The Default port for JTDX is 52001.
Enable
IP Address
TCP Port
Enable
127.0.0.1
52001
OK
Cancel
Help

3. Now you need to let N1MM know what mode to put your radio in while using WSJT/JTDX. This is going to be the mode that you use with your radio when you are working digital modes other than RTTY. In the N1MM main config click on the Mode tab. In the middle of that tab are 4 dropdown menu selections. One for RTTY for each radio and one for PSK and Others for each radio. Click the PSK dropdown menu and select the mode you would be using for Digital modes other than RTTY.

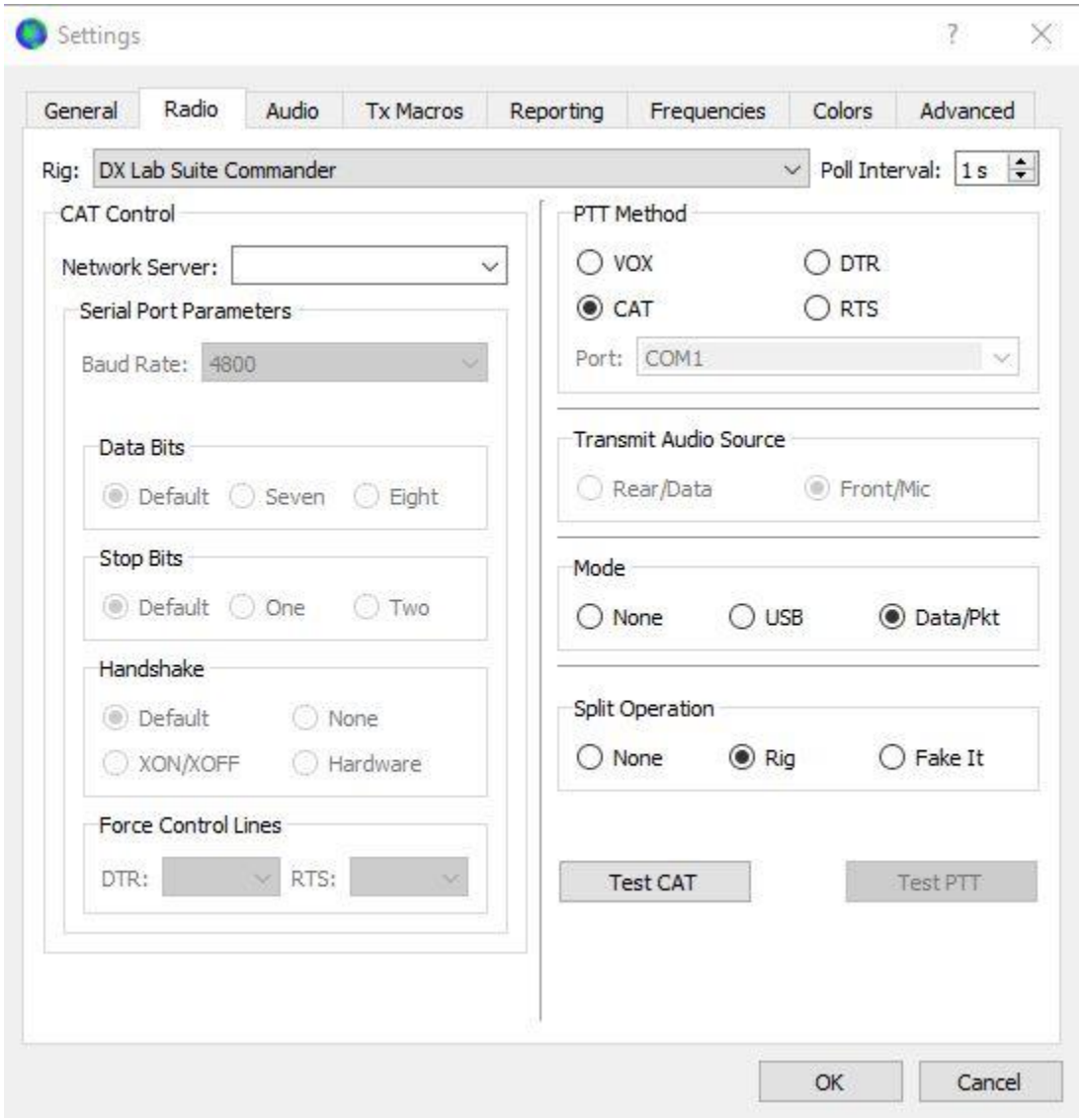


4. We need to configure N1MM to work for PTT. If you are using a serial port for keying you will need to make sure that port has a digital checkbox set in the hardware tab. If you plan on using Radio command for PTT then you will need to make sure the PTT settings on the radio port are set correctly. On the radio setup window there are 3 boxes that deal with PTT via radio command. PTT via Radio Command SSB Mode, PTT via Radio Command CW Mode, PTT via Radio Command Digital Mode. You need to make sure that you have placed a check in the one for use with Digital Modes.



You have now completed the setup in N1MM+ and will need to restart for the port settings to change. Click ok to exit the Config and then restart N1MM.

Once N1MM+ has restarted and all the windows are open, in the main entry window click on the upper menu called Window. At the very bottom of that menu will be a selection that says Load WSJT-X/JTDX. Clicking this selection will now open either WSJT-X or JTDX. Once WSJT-X or JTDX has opened and is visible click on its top menu called File and then select Settings. The settings window will now open up and you will want to click on the Radio Tab. The first setting that needs to be set is the Rig Name. In this box you will choose “DX Lab Suite Commander”. In the PTT Method settings you will want to choose CAT. This will allow WSJT-X or JTDX to send commands to N1MM+ on when to switch PTT Off and On. In the mode settings if your rig has certain Data Modes or PLT modes that need to be used for doing digital work select the Data/Pkt setting if not choose USB. Under the split Operation settings you can choose any of the settings but the radio interface will set the radio in split if needed or called to switch on or off.

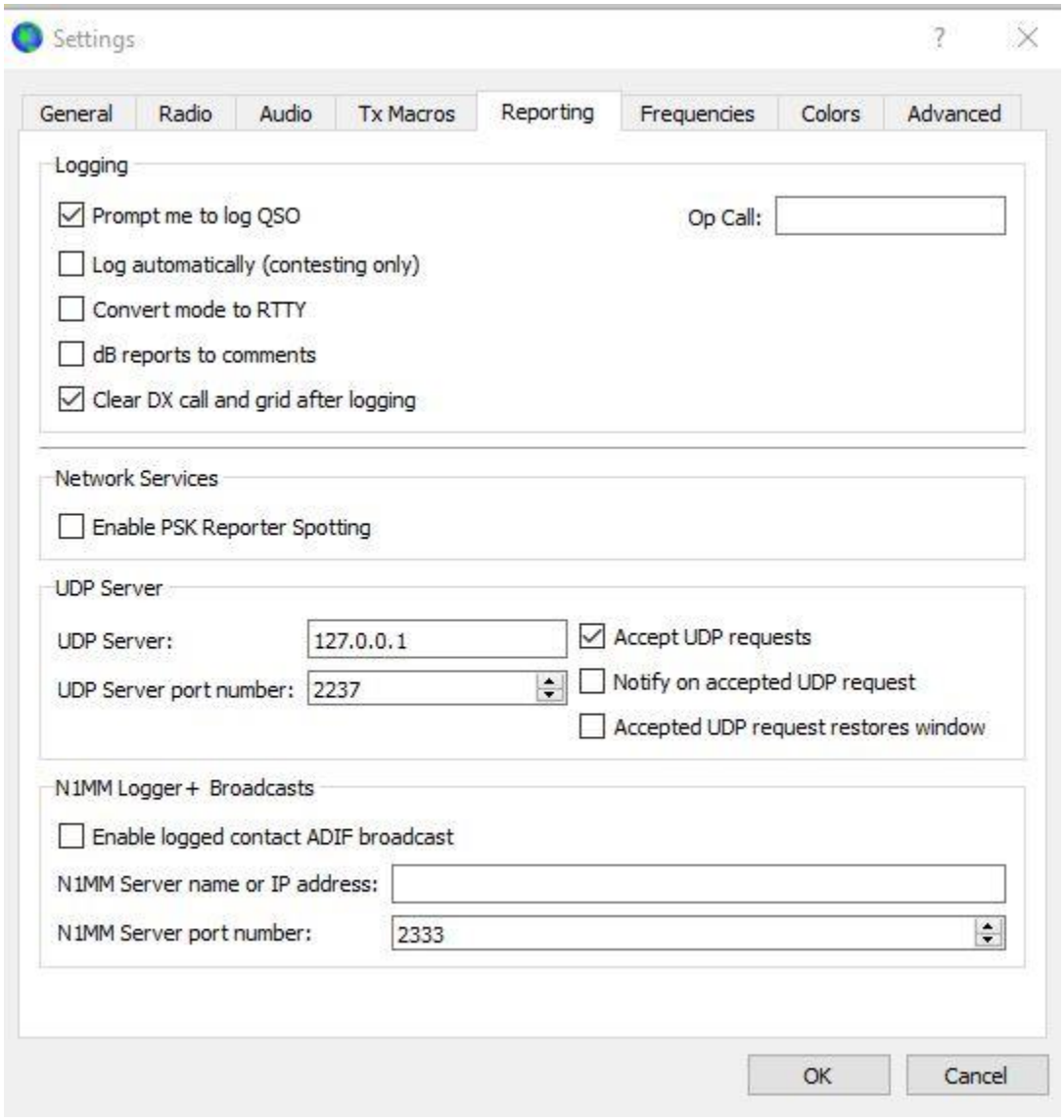


I have been informed on some rigs split must be off to work correctly. I am trying to figure out why.

Once you have made all the changes on the radio tab you will then need to switch to the Reporting tab. On this tab you will need to make sure the UDP Server settings are correct. The UDP Server should be set to 127.0.0.1 and the UDP Server port number should be 2237.
***** PLEASE NOTE*****

The N1MM Logger+ Broadcasts settings are NO LONGER USED. Do not set any settings in these boxes…

***** PLEASE NOTE*****
See the image below for correct setup.



This finishes all of the setting changes that need to be done for WSJT-X and JTDX to work properly together with N1MM+.

You should now be able to work qso's in WSJT-X/JTDX having the radio settings done via N1MM+ Logger and log calls directly into the database via the faster UDP connection. Another thing to note. DO NOT TRY TO LOG YOUR WSJT QSO INFORMATION INTO THE N1MM ENTRY WINDOWS! All qso's need to be handled in WSJT-X or JTDX. I would recommend minimizing the N1MM+ Entry Window while WSJT-X or JTDX are open. When you are done working qso's with either program close it down and then N1MM+ goes back to the way it normally is.