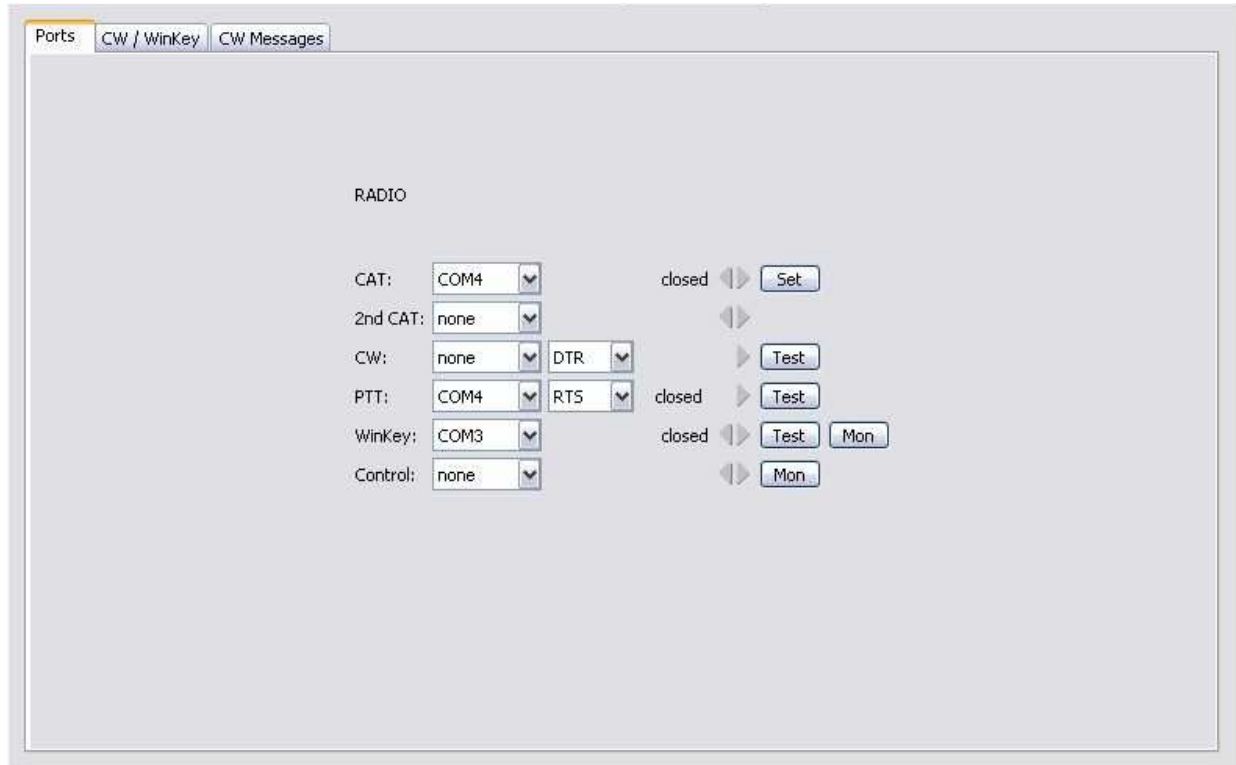


microHAM CW Keyer and N1MM Logger setup

Router setup:

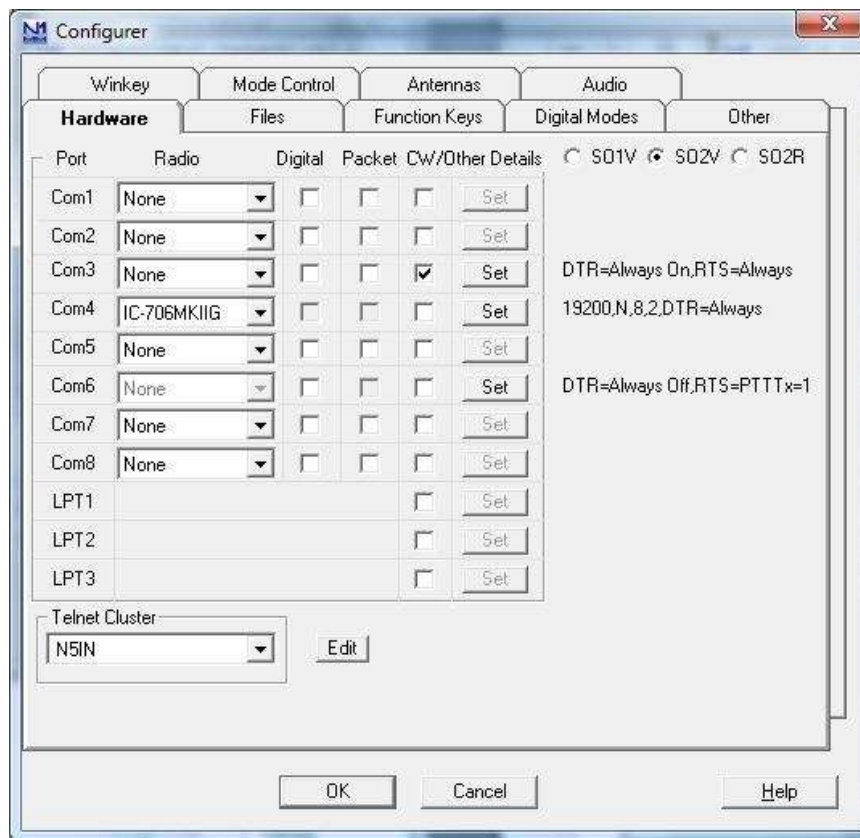
Note: The absolute port numbers do not matter. The key is consistency - the same port number must be used for a specific function every time it is used.

1. Assign the radio control virtual COM port.
2. Assign a port for WinKey



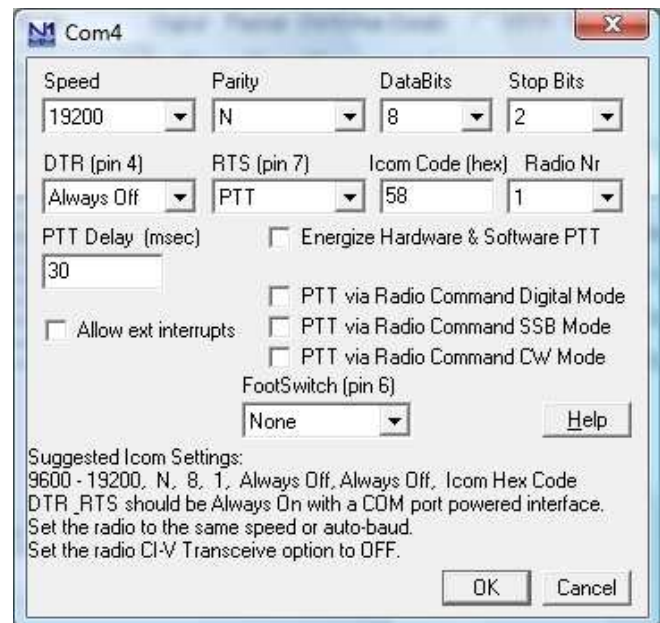
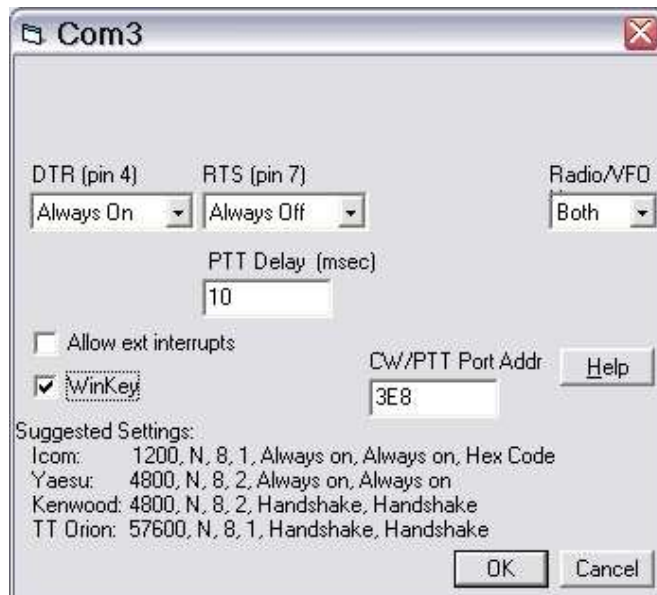
3. Save settings to a preset by selecting **Preset | Save as**. Choose a position, name it N1MM and click **OK**.

N1MM setup:

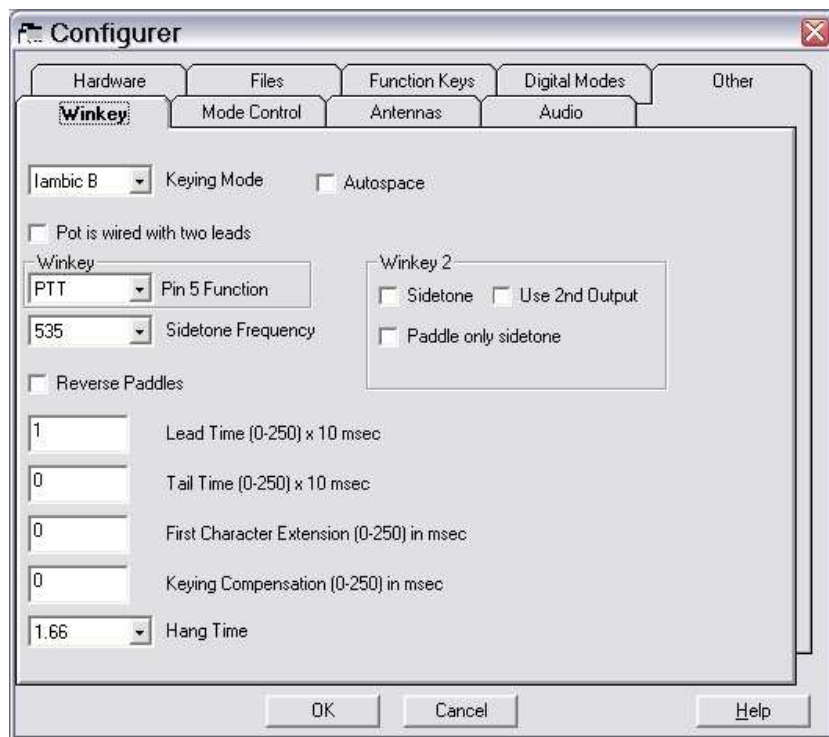


1. Click **Config | Configure Ports, Telnet Addresses, Other ...**
2. Assign the radio to the virtual COM port you used in Router's Ports tab
3. Assign a port for CW (WinKey)

4. For the radio port click **Set** and set the communication parameters required by your radio.
5. **Uncheck** "Energize Hardware & Software PTT" and any "PTT via Radio Command" options.



6. For the CW Port click **Set**, check the **WinKey** box and set Radio/VFO to **Both**.



7. Configure WinKey using the WinKey tab.

8. Pin 5 Function should be PTT unless you are using QSK

Note: Timing parameters are set on the CW/WinKey tab in Router. Router will override application settings.