

# microKEYER and TRX Manager 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.

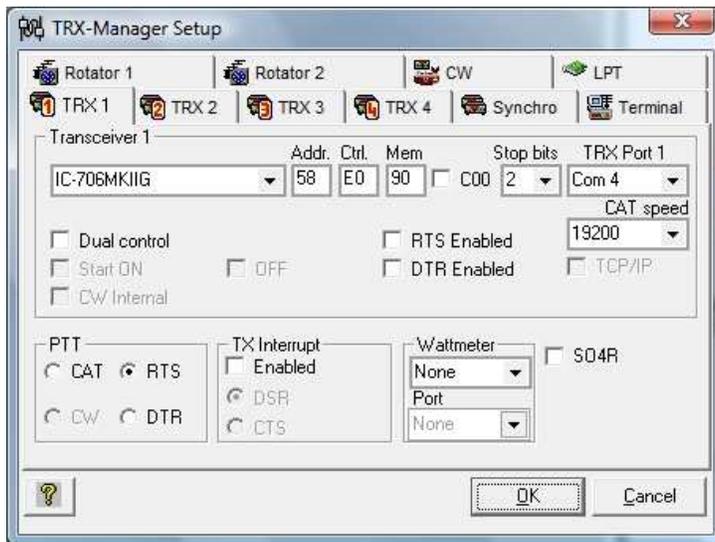
1. Assign the radio control virtual COM ports. Click the **Set** button and select your radio from the drop down box. Uncheck the **Disable router queries** box.
2. Assign a port for WinKey.
3. Assign a port for FSK – check the PTT box (for use with other Digital software).
4. Assign the same port for PTT as you assigned for Radio control.

The screenshot shows the 'System Settings' tab in the TRX Manager software. The radio is identified as 'Icom IC-706 MkII-G' with a frequency of '14.087.500'. The settings are organized into two columns: 'RADIO' and 'RTTY'. Each setting includes a dropdown menu for port assignment, a status indicator (e.g., 'closed'), and a 'Set' or 'Test' button. The 'PTT' checkbox is checked for both FSK and 2nd FSK. The 'WinKey' and 'Control' settings have 'COM3' and 'none' assigned respectively, with 'Test' and 'Mon' buttons. The 'SQL' setting has a red triangle icon next to it.

Setting	Port	Status	Action
CAT	COM4	closed	Set
2nd CAT	none		
FSK	COM6	closed	Test
2nd FSK	none		invert, strict bps
CW	none		DTR, Test
PTT	COM4	closed	RTS, Test
2nd PTT	none	closed	RTS
Foot Switch	none		CTS, invert
SQL	none		CTS, invert
WinKey	COM3	closed	Test, Mon
Control	none		Mon

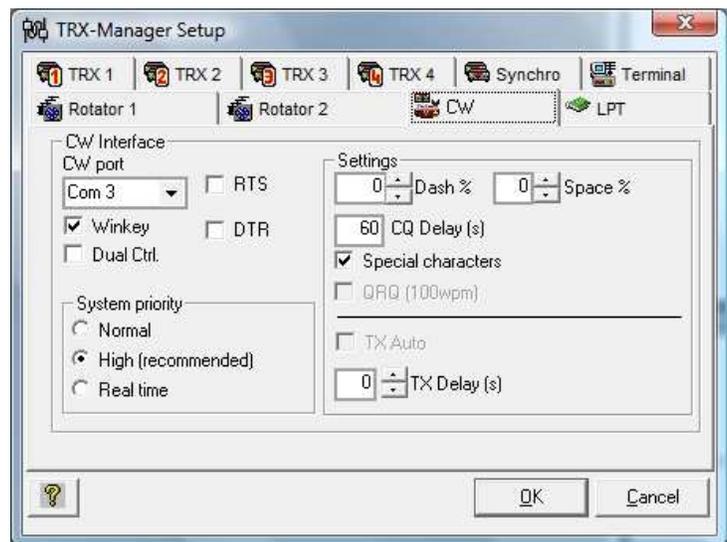
5. On the **PTT** tab, check PA PTT if *microKEYER* will be controlling an amplifier.
6. Save settings to a preset by selecting menu **Preset | Save as**. Choose a position and name it TRX Manager.

# TRX Manager setup:



1. Open **Parameters | Setup** and select the TRX tab for the radio connected to *microKEYER* ...
2. Set the TRX Port to the virtual COM port you used for control in Router's Ports tab
3. Select the Stop Bits, CAT Speed, and address as needed for your radio.
4. Uncheck "RTS Enabled" and "DTR Enabled."
5. Set PTT to RTS.

6. Click the CW tab
7. Set the CW port to the virtual port you assigned for WinKey in Router.
8. Check "WinKey"
9. Select the Serial Port you set for WinKey in Router's Ports tab
10. Click "OK" to save your settings.



11. Open **Tools | Keyer** and click the WinKey Icom.
12. Set the WinKey parameters to match those on the CW/WinKey tab in Router. The settings in Router will be used to control WinKey operation but it is convenient to have the same settings in both locations.
13. Click OK to save your settings.

