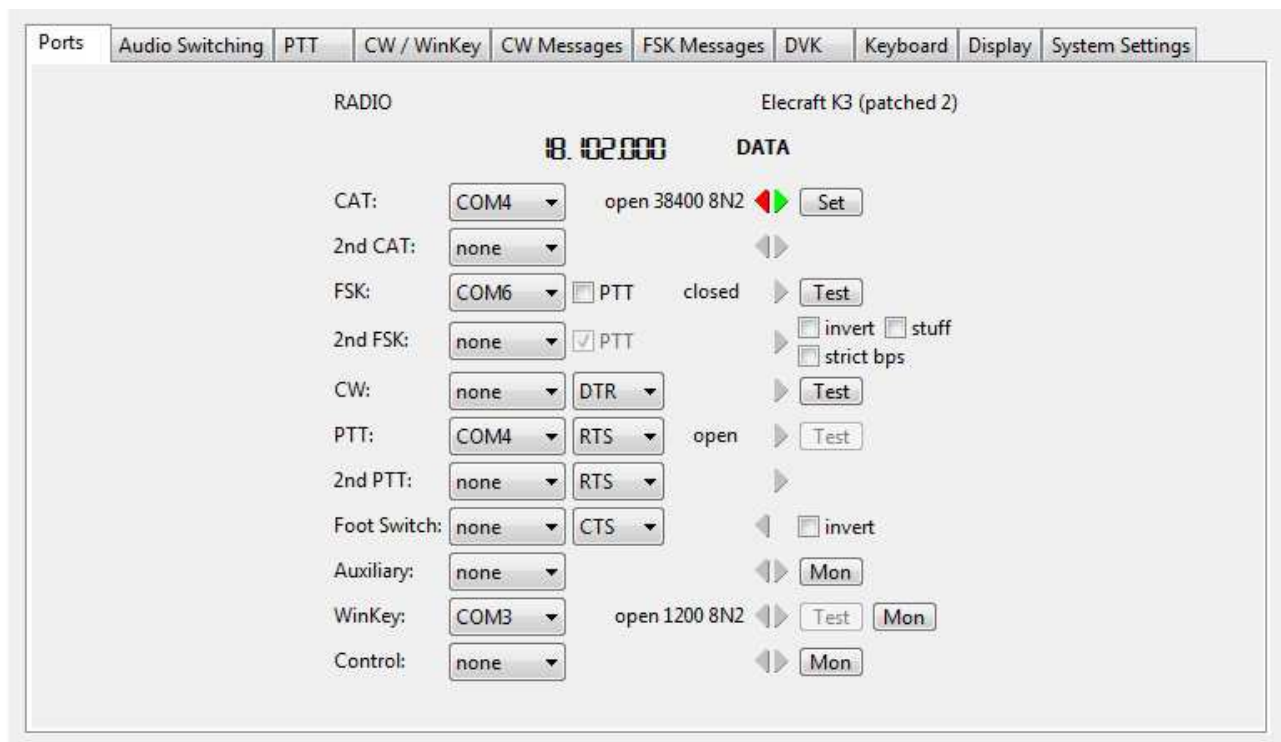


microKEYER II and Ham Radio Deluxe with DM780 setup

Router setup:

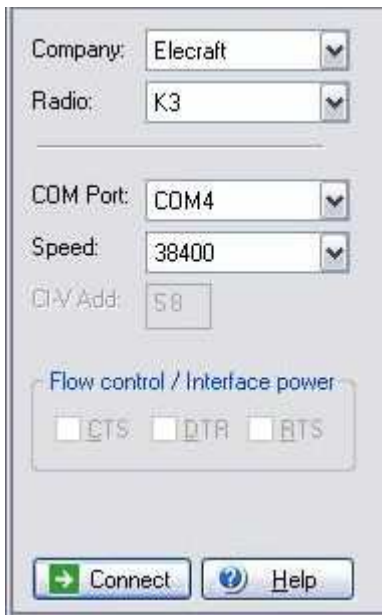
Note: The specific port numbers do not matter. The key is consistency - the same port number must be used for each function every time it is used.

1. Assign the radio control virtual COM port.
2. Assign RTS for PTT on the same port as CAT. This will be used for PTT by HRD.
3. Assign a port for WinKey.
4. If you intend to use the RTTY-45-FSK capability in DM-780, set a port for FSK. **Uncheck** the PTT and "stuff" boxes.



5. On the PTT tab set PTT output and modes as appropriate for your station and operation.
6. Save settings to a preset by selecting menu **Preset | Save as**. Choose a position and name it HRD/DM780.

Ham Radio Deluxe setup:

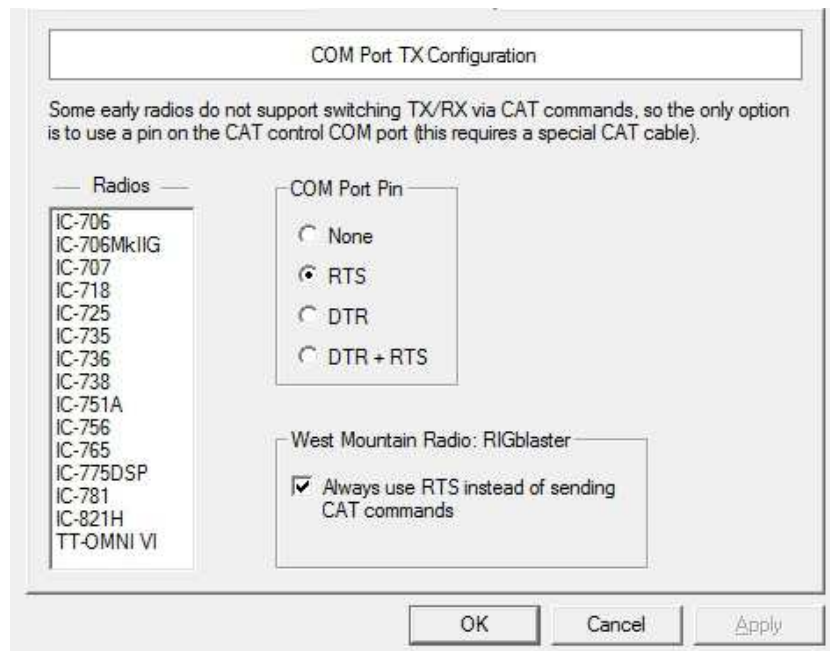


The screenshot shows the main configuration window of Ham Radio Deluxe. It includes the following fields and options:

- Company: Elecraft (dropdown)
- Radio: K3 (dropdown)
- COM Port: COM4 (dropdown)
- Speed: 38400 (dropdown)
- GV Add: 58 (text input)
- Flow control / Interface power: QTS, QTR, RTS
- Buttons: Connect (green arrow), Help (blue question mark)

1. Select your transceiver manufacturer and model.
2. Set COM Port to the port you selected for CAT in Router.
3. Set the data rate for your transceiver's CAT connection.
4. Click "Connect"
5. Select Radio Options → Options → COM Port TX

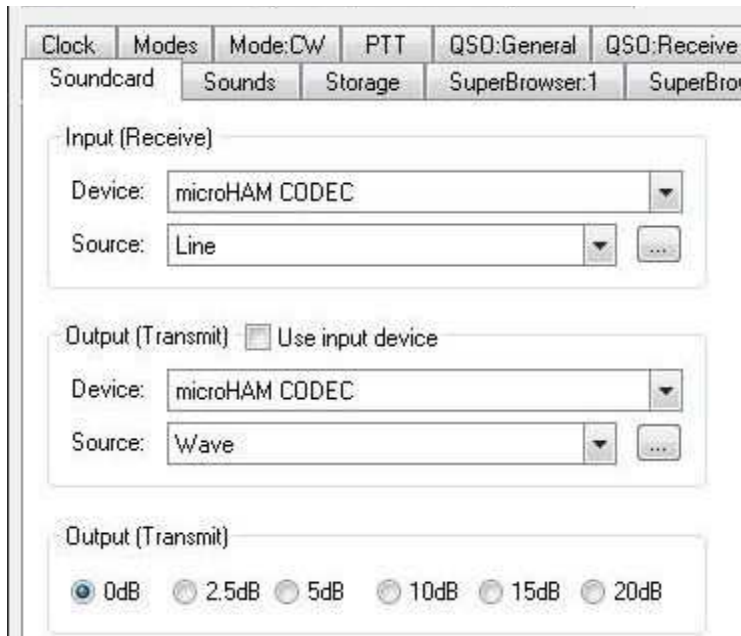
6. Set COM Port Pin to RTS
7. Check "Always use RTS instead of sending CAT commands."
8. Click "OK"



The screenshot shows the "COM Port TX Configuration" dialog box. It contains the following information and options:

- Title: COM Port TX Configuration
- Text: Some early radios do not support switching TX/RX via CAT commands, so the only option is to use a pin on the CAT control COM port (this requires a special CAT cable).
- Radios: A list of radio models including IC-706, IC-706MkIIIG, IC-707, IC-718, IC-725, IC-735, IC-736, IC-738, IC-751A, IC-756, IC-765, IC-775DSP, IC-781, IC-821H, and TT-OMNI VI.
- COM Port Pin: Radio button options for None, RTS (selected), DTR, and DTR + RTS.
- West Mountain Radio: RIGblaster: Always use RTS instead of sending CAT commands
- Buttons: OK, Cancel, Apply

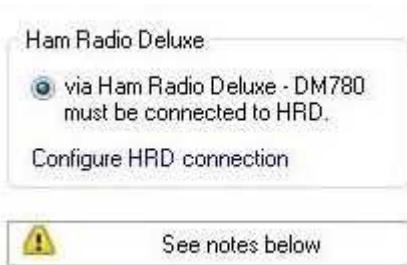
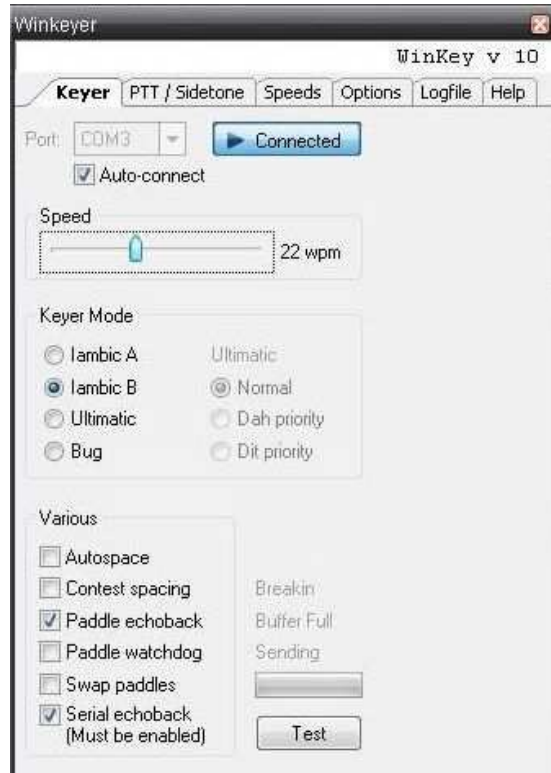
DM 780 setup:



1. Start DM780
2. Select Soundcard | Options
3. Set the Input (Receive) device to microHAM CODEC
4. Set the Output (Transmit) device microHAM CODEC
5. Set the Output (Transmit) level to 0 dB.

6. Select "CW (WinKey)" mode
7. Set the port you selected for WinKey in Router and click "Connect"

Note: The Keyer Mode and miscellaneous settings - including those settings on the Options and PTT/Sidetone tabs – are controlled by the settings in Router's CW/WinKey and PTT tabs. Choose your miscellaneous settings in Router.



8. Select Options | PTT tab
9. Choose "via Ham Radio Deluxe"

10. If you plan to use RTTY-45-FSK (FSK), select Modes + IDs → RTTY
11. Check the Enable box under FSK Keying
12. Set Port to the port you defined for FSK in Router.
13. Select "Microham 1 (TX) only"
14. Close Program Options

