

DigiKeyer II and Ham Radio Deluxe with DM780

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.

RADIO Icom IC-706 MkII-G
4079.900 RTTY

CAT:	COM4	open	19200	8N1	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Set
2nd CAT:	none						
FSK:	COM6	<input type="checkbox"/> PTT	closed				Test
2nd FSK:	COM7	<input type="checkbox"/> PTT	closed		<input type="checkbox"/> invert	<input type="checkbox"/> stuff	<input type="checkbox"/> strict bps
CW:	none	DTR					Test
PTT:	COM4	RTS	open				Test
2nd PTT:	none	RTS					
Foot Switch:	none	CTS			<input type="checkbox"/> invert		
SQL:	none	CTS			<input checked="" type="checkbox"/> invert		
WinKey:	COM3		closed				Test Mon
Control:	none						Mon

5. On the PTT tab select whether you prefer PTT, QSK or Semi Break-In (QSK with PA PTT) for CW and check PA PTT if DigiKeyer II will be controlling an amplifier.
6. Save settings to a preset by selecting menu **Preset | Save as**. Choose a position and name it HRD/DM780.

Ham Radio Deluxe setup:

Company: ICOM
Radio: IC-706MkIIIG
COM Port: COM4
Speed: 19200
CI-V Add: 58

Flow control / Interface power
 CTS DTR RTS

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"

COM Port TX Configuration

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

- 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
- TT-OMNI VI

COM Port Pin

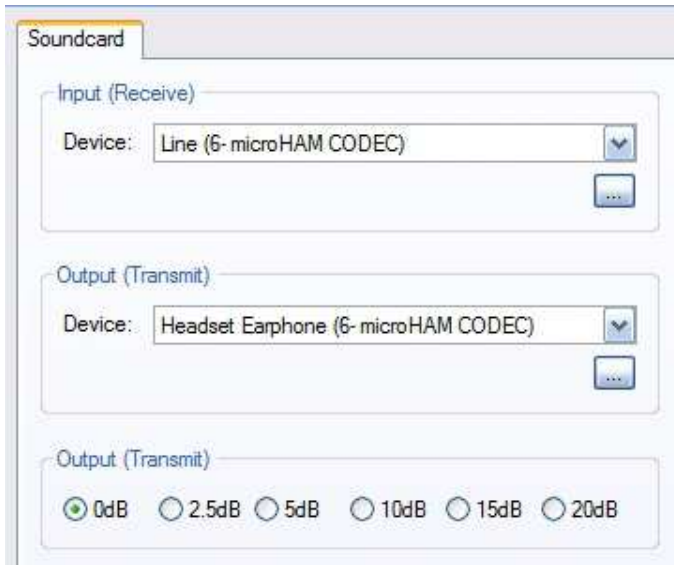
- None
- RTS
- DTR
- DTR + RTS

West Mountain Radio: RIGblaster

- Always use RTS instead of sending CAT commands

OK Cancel Apply

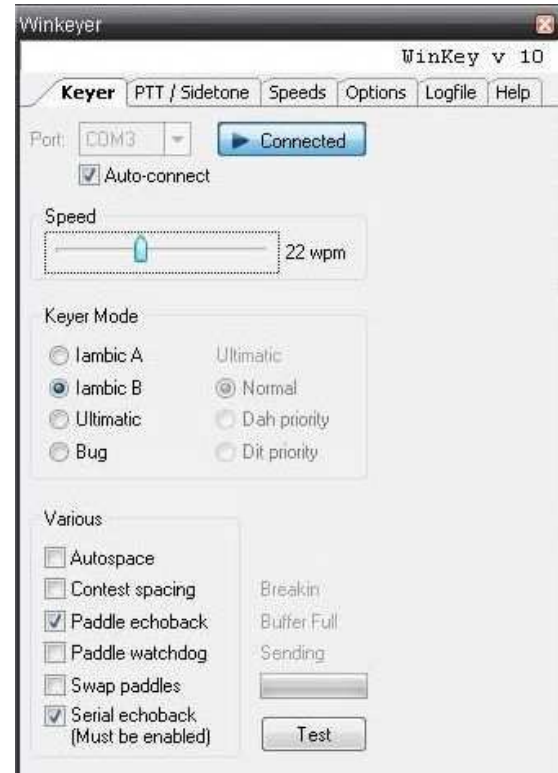
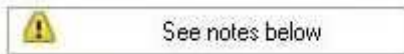
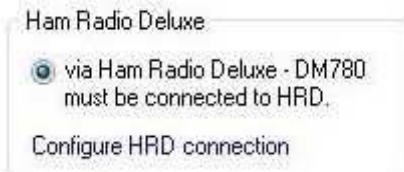
DM 780 setup:



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

6. Select "CW (WinKey)" mode
7. Set Port to 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 Program Options → PTT
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

