

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. Do not set a port for FSK – Ham Radio Deluxe and DM780 do not support FSK

Ports Audio PTT CW / WinKey CW Messages FSK Messages Keyboard System Settings

RADIO Icom IC-706 MkII-G
14.087580 RTTY

CAT: COM4 closed Set

2nd CAT: none

FSK: COM6 PTT closed Test

2nd FSK: none PTT invert strict bps

CW: none DTR Test

PTT: COM4 RTS closed Test

2nd PTT: none RTS closed

Foot Switch: none CTS invert

SQL: none CTS 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:

Radio:

COM Port:

Speed:

CI-V Add:

Flow control / Interface power

CTS DTR RTS

1. Select your transceiver manufacturer and model.
2. Select the virtual port you set for CAT in Router.
3. Set the data rate for your transceiver's CAT connection.
4. Click "Connect"
5. Select "Options | COM Port TX"
6. Set COM Port Pin to RTS

Skinning	Theme	Updates	Yaesu
Info: CAT Support	Internet	Out Of Band	Mouse Wheel
Accelerators	Comms	COM Port TX	Selection Window
		ICOM Calibration	Info: Modes

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 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

COM Port Pin

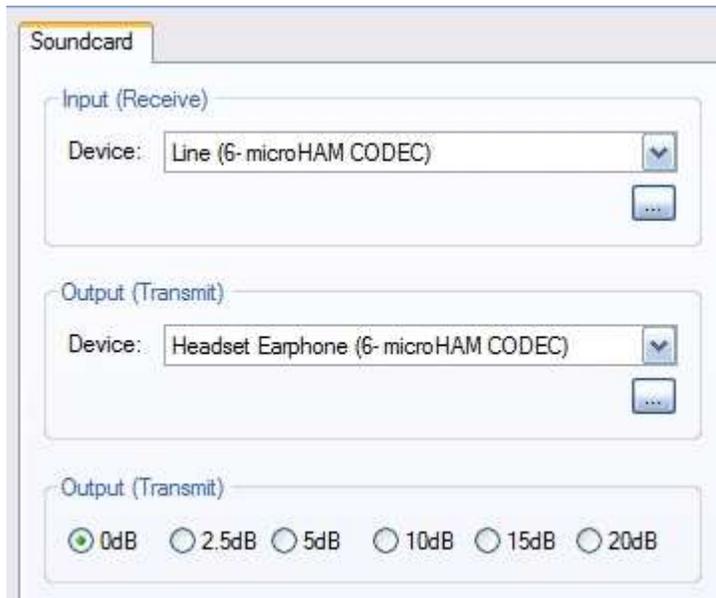
None

RTS

DTR

DTR + RTS

DM 780 setup:

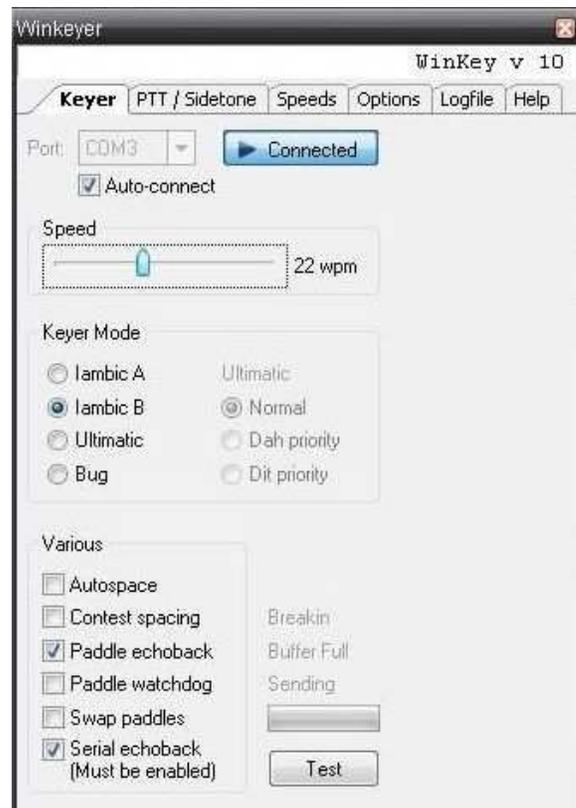
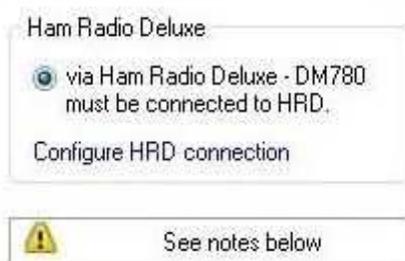


1. Start DM780
2. Select Soundcard | Options
3. Set the Input (Receive) device to "Line (microHAM CODEC)"
4. Set the Output (Transmit) device "Headset Earphone (microHAM CODEC)"
5. Set the Output (Transmit) level to 0 dB.

6. Select "CW (WinKey)" mode
7. Set 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"