Setting Up FT-2000 with SpectraVue, Ham Radio Deluxe and Logging Program By Dave De Coons, WO2X

The FT-2000 can be configured to operate from multiple remote control programs simultaneously. I've configured mine to run with Ham Radio Deluxe and SpectraVue which drives an SDR-IQ receiver being used as an aftermarket panadapter display. I've also included information for configuring the radio and interface software for using a logging program too.

This is accomplished using two freeware programs to share the serial connections. DDUtil and Com0Com.

Install DDUtil.

Download it at:

http://k5fr.com/ddutilwiki/index.php?title=Main Page

Install Com0Com

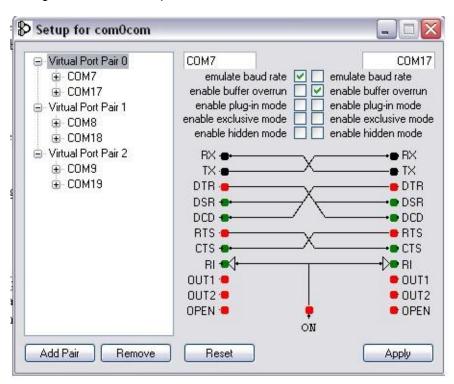
Download it at:

http://sourceforge.net/projects/com0com/

Run Com0Com setup (start/programs/com0com/setup)

Click on add pair to add two additional serial port pairs so you have three serial port pairs.

Configure Com0COm as per this screenshot

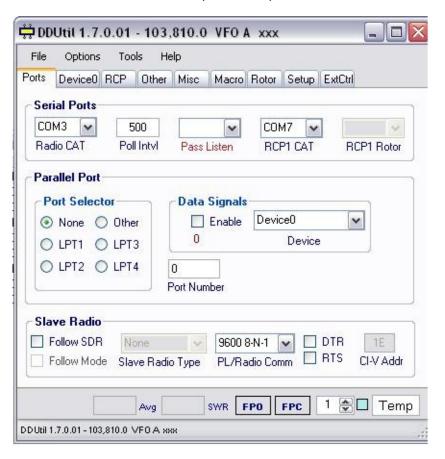


Note - Rename com port pairs. Pair 0 should be Com 7 and Com 17

Pair 1 should be Com 8 and Com 18

Pair 2 should be Com 9 and Com 19

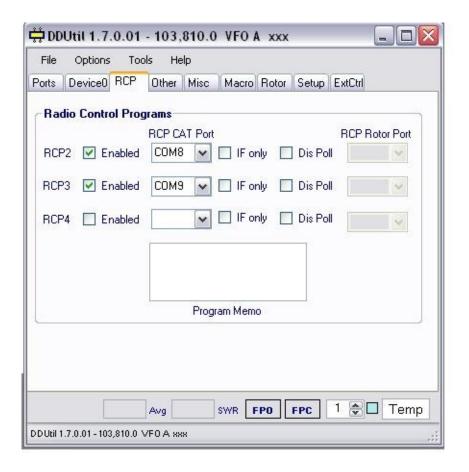
Next, launch DDUtil and set the port tab as per this screenshot.



Note -

The serial port should be set to your actual hardware serial port on the PC (mine is Com 3). Set RCP1 port to Com 7

Set the RCP tab as per this screenshot



Leave DDUtil running

In the FT-2000 Menu Set menu 28 to 9600 Set menu 30 to Off Hit and hold the menu button for two seconds to save changes.

Make sure DDUtil is up and running.

In Ham Radio Deluxe. Set the radio to Yaesu FT-2000 Com 17 9600

RTS and DTR unchecked. unchecked.

Hit Connect and it should connect to the FT-200 and show your current frequency, mode, etc.

Launch SpectraVue

Under Input Device make sure SDR-IQ is selected.

Select SDR-IQ Setup and configure as per this screenshot

Update Firmware	66666666	Ref 10000000	RF Gain
External HW Synd FT-2000 Select COM18 Select Select	nal Radio, IF / Panadapter Mode et Ext Radio ADR et Serial Port 4A et Bit Rate F	Meas 10000000 Calc Setup Geep Same Center Freq Inverted IF IF Tracking Mode It Center Frequency(Hz) 3813450	Use Fixed Settings +10 dB -10 dB 0 dB -20 dB Calibrated Screen 18 GN Code
Filter Bandwidth 5 KHz 10 KHz 25 KHz Demod Ok 50 KHz 100 KHz 150 KHz	CIC2 Rate 10 CIC CIC5 Rate 17 CIC RCF Rate 2 RC	Digital Downconverter Set C2 Scale 5 C5 Scale 16 CF Scale 2 Total Decimation = 340 nal Sample Rate = 196078	6620 IF Gain C +24 dB C +18 dB C +12 dB C +6 dB C +0 dB
	Interface Selection USB Network OK Cancel	Network SDR-IQ Set IP Address 127 Use Ack	. 0 . 0 . 1 Port 50000

Note - You will most likely have to calibrate the reference frequency of the SDR-IQ since the FT-2000 IF out is slightly off.

Also note - the IF out of the FT-2000 shifts between USB and LSB. LSB is approx 10.55 MHz.

Click Start to start SpectraVue. You should now see the panadapter display. Above the frequency display it should say Center Frequency,. If it says Demod frequency click it to change to Center Frequency. The frequency should match the frequency in HRD and on the radio.

Clicking on a signal in the panadapter display should tune the radio to that frequency.

Last, configure your logging program to use Com19 9600 8,n,a and no RTS or DTR.

Have fun!