Setting Up FT-2000 with SpectraVue, Ham Radio Deluxe and Logging Program

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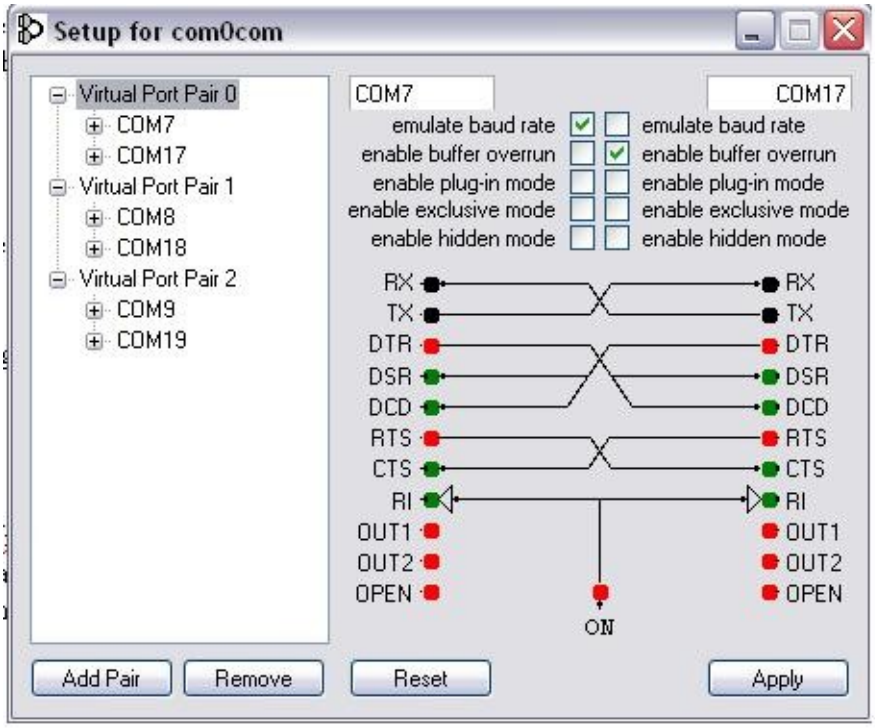
The FT-2000 can be configured to operate from multiple remote control programs simultaneously. I've configured mine to run with Ham Radio Deluxe and SpectraVue which drives an SDR-IQ receiver being used as an aftermarket panadapter display. I've also included information for configuring the radio and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

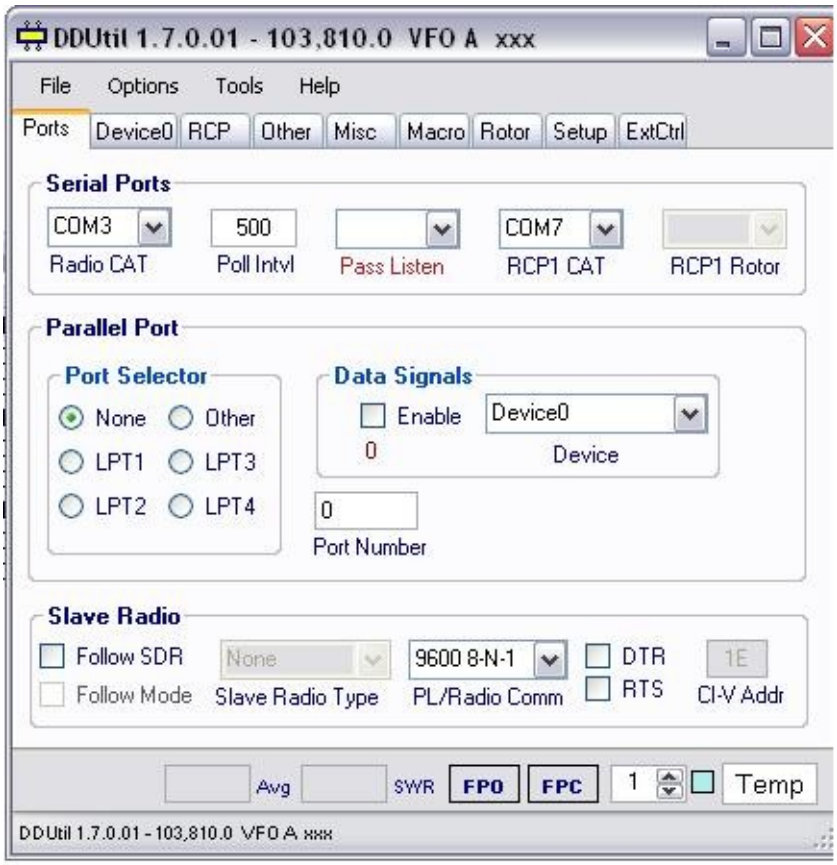
Install Com0Com
Download it at:
http://sourceforge.net/projects/com0com/

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

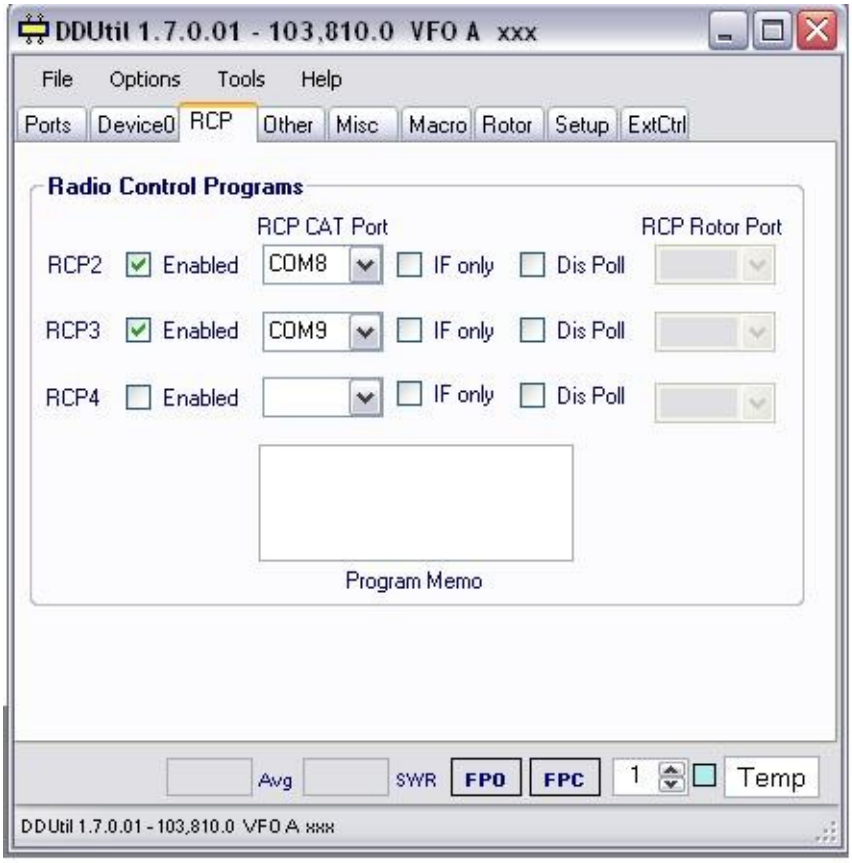
Next, launch DDUtil and set the port tab as per this screenshot.



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

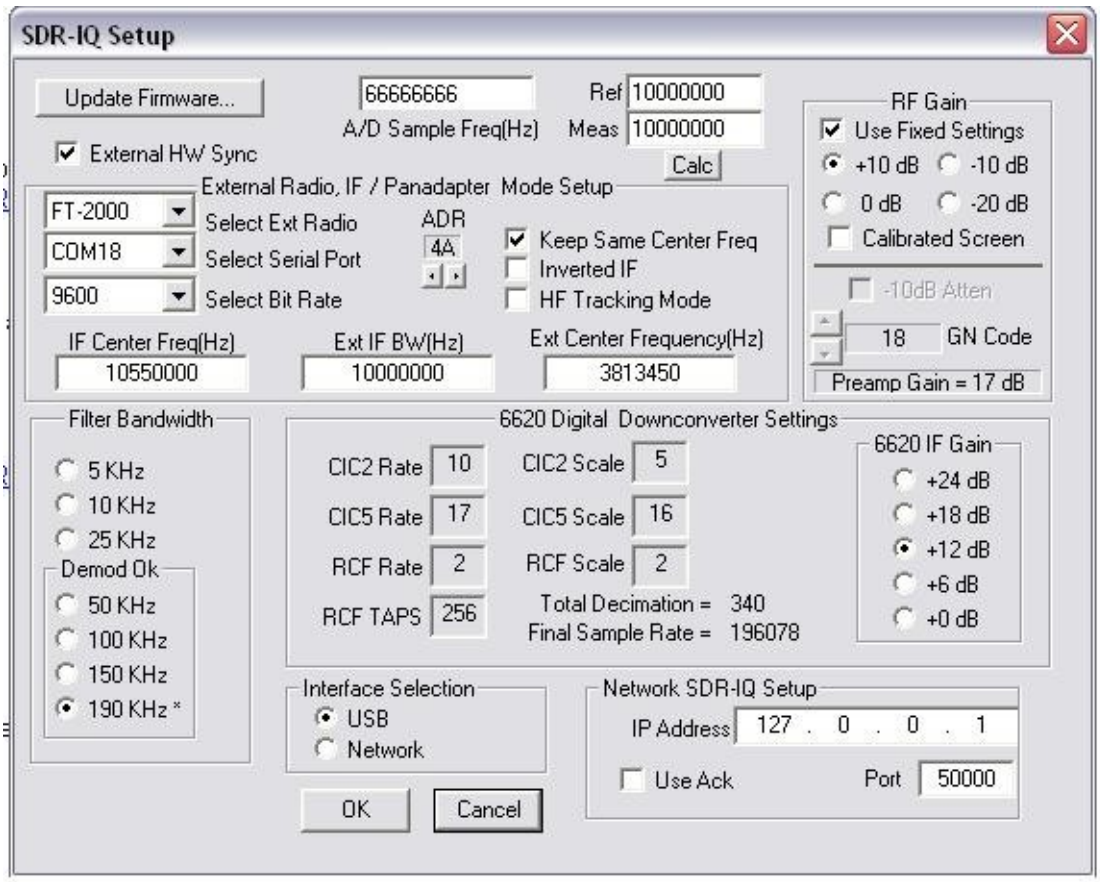
In the FT-2000 Menu
Set menu 28 to 9600
Set menu 30 to Off
Hit and hold the menu button for two seconds to save changes.

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



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!