

Start with these settings

The image shows the SpectraVue 2.21 software interface with several callout boxes providing instructions on how to configure the settings. The main display is a waterfall plot showing a signal at 400.000 KHz with a span of 20.000 KHz. The interface includes various control panels for FFT, demodulation, and filter settings.

Averaging (speed) on signal. Set 5 if 2D is used. Normal is 1

Demod = demodulation. Screen "locked". Center = the actual fq always in the middle of the screen

Must be X-marked to hear anything

Adjust screen sensitivity

Autoscale sensitivity

Info-square

Auto Scale

USB Not Connected
Fs=196076 Hz
BW Res = 24 Hz

Demod On
 AM FM
 WFM DSB
 USB CW
 LSB CWr

Setup...

Peak **NB** **Mute**

4 Apr 2007 6:00:43 UTC

sw NCO = 700 **Demod Frequency**

400.000 KHz
Save Span Restore

20.000 KHz

Stop(F10) Pause(F11) Start(F12)

Filter Lo= -50Hz Hi= 50Hz Width= 100Hz

Offsel Shift

Ray **2D Plot** **3D Plot** **V Waterfall** **H Waterfall** **Com** **Continuum** **Phase**

FFT Ave

0 **Smoothed screen**

8192 **FFT/BLK Siz**

5 dB/D **V Sca**

Sensitivity. Start with 5 dB/D

Resolution of screen. Higher number = slower speed. This also depends on the bandwidth settings.

Squelch (the little blue square). Drag to bottom. IMPORTANT!

Filter bandwidth setup

General Program Setup

Rectangle JPEG Compression Quality(10 to 10) Assign Display Colors...
 Hamming Display Rate(0 to 60 Secs/update)
 Hanning Select Waterfall Color Palette File... 5db.pal
 Flat Top Use Comp. Select FFT Compensation File... Using Default
 Blackman
 Blackman-Harris

Display Units
 Hz
 KHz
 MHz
 GHz

L/R Button Freq Chan
 Squelched Display
 Color 2D Graph
 Slow CPU Mode
 Skips N updates
 N

Memory Modes
 Memory Display OFF
 Max Memory Display
 Delta Memory Display

Markers
 Display Peak Markers
 Allow Mouse Click Markers Exclude %
 Right to Left Continuum
 Time Stamp Display

Mouse Click Resolution
 20 KHz 500 Hz
 10 KHz 100 Hz
 9 KHz 10 Hz
 5 KHz 1 Hz
 1 KHz Var

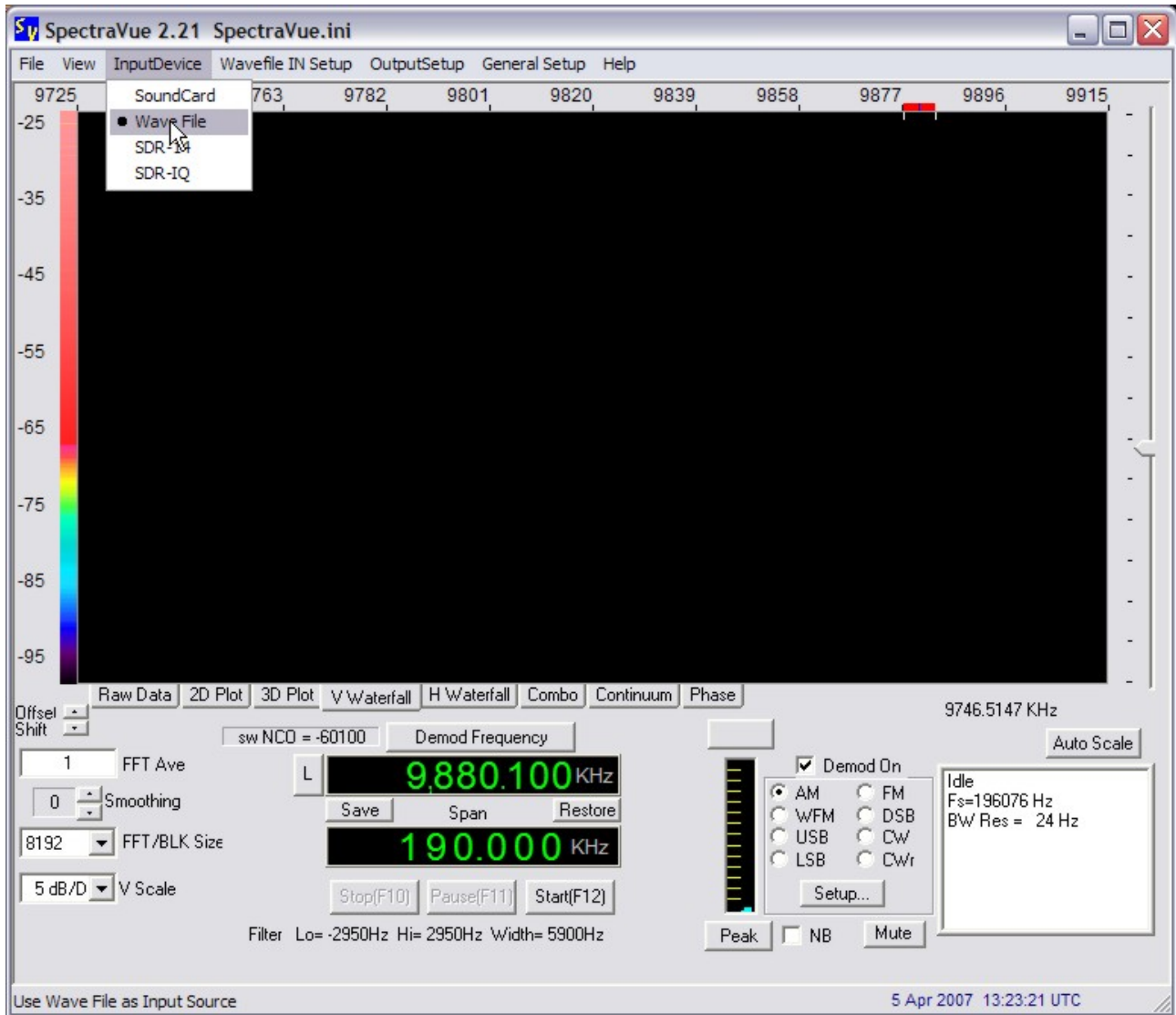
3D Options
 3D xy Pixel Shift (1-100) X Y
 1/N 3D Plot Scale(1 to 1/10) N

Pulse Mode Setup
 Pulse Mode Enable
 DM= FFT Max dB

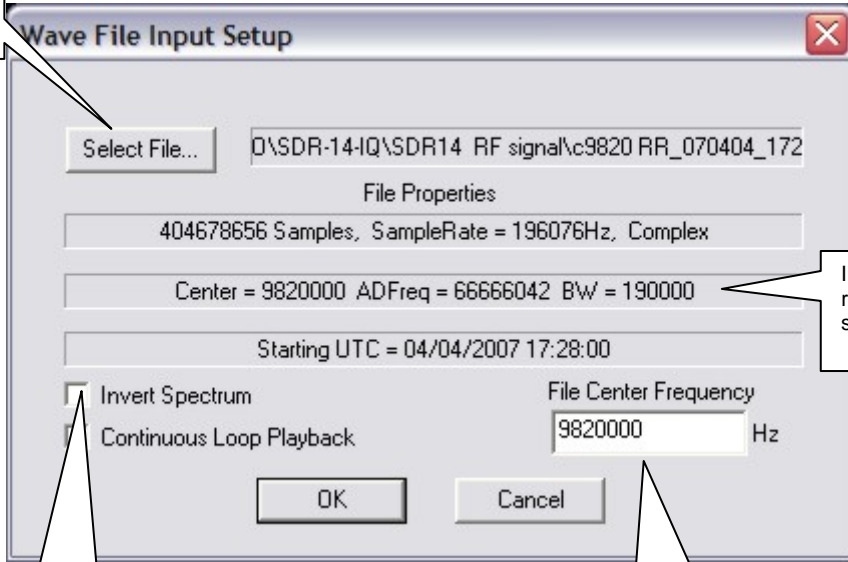
kHz is a good choice

This is for slow PC.s. Skips N updates = slower waterfall.

Choose Wave File (and the archive menu will change a little)



Choose file



The dialog box is titled "Wave File Input Setup" and has a close button in the top right corner. It contains the following elements:

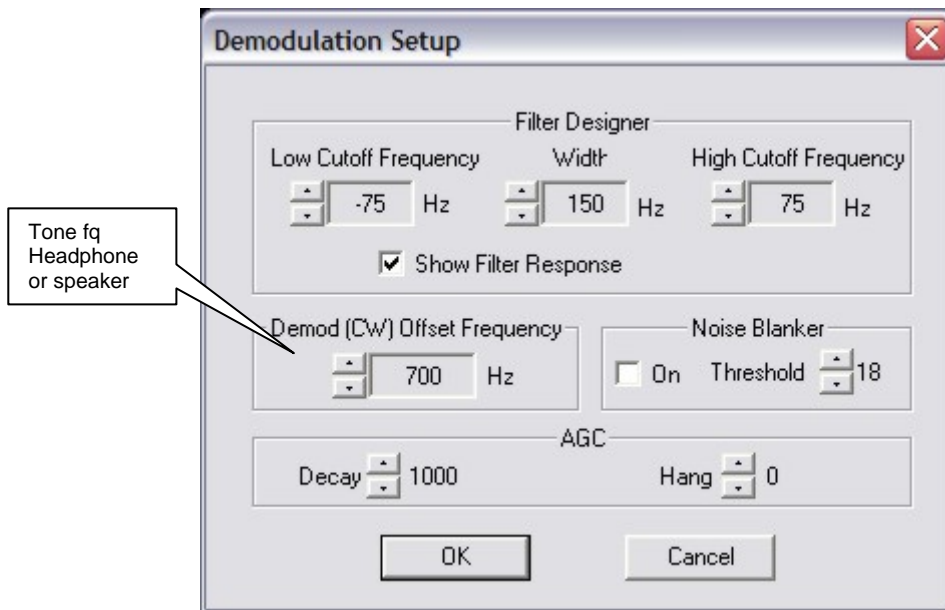
- A "Select File..." button on the left and a text field containing the file path: "D:\SDR-14-IQ\SDR14 RF signal\c9820 RR_070404_172".
- A section titled "File Properties" with three text fields:
 - 404678656 Samples, SampleRate = 196076Hz, Complex
 - Center = 9820000 ADFreq = 66666042 BW = 190000
 - Starting UTC = 04/04/2007 17:28:00
- Two checkboxes: "Invert Spectrum" (unchecked) and "Continuous Loop Playback" (unchecked).
- A "File Center Frequency" label above a text field containing "9820000" and the unit "Hz".
- "OK" and "Cancel" buttons at the bottom.

Info about recording settings.

IMPORTANT! No mark here. Otherwise the spectrumpicture will be reversed.

Shows the recorded center-frequency.

Example CW filter setup



This is the output setup for recordings and screendumps.
No setups needed to play files

Data Output Selection

Wave File Capture Setup

- No Wave File Capture
- RF Data to Wave File
- Demod to Wave File

Delay Start Time: 4 H 55 M UTC

RunTime Minutes: 120

Enable Delayed Start Repeat every 24 hr.

Chain Multiple Files withTimeStamp Names

Quality Write with Squelch

File Sample Rate: 196076

Select Wave File... C:\RADIO\SDR-14-IQ\SDR14 RF signal\c9440.wav

2147 Output File Size Limit in Mega Bytes (1 to 2147)

FFT/Continuum File Saving

- No Output File Saving
- Screen Capture to File (JPG, PNG or BMP Format) (Timed Or
- Save Continuum Data to .CSV Excel Format File
- Save Waterfall FFT Data as 1 byte/pixel BMP Format File
- Use Screen Resolution
- Save FFT Data as CSV Excel Format File(Timed Only)
- Save absolute FFT Data as 2 byte Custom Binary Format File

Timed Saves: 10 (1 to 3600 Seconds)

Timed Save OFF

Timestamped Files

File Append/Overwr

Select Out File...

Soundcard/Demod Output Setup

- Single Channel Demod
- Dual Channel Demod Mono Output
- Dual Channel Demod Stereo Output

Non-Demod Playback Gain(dB): 0

Output to SoundCard

SoundCard: SigmaTel Audio

OK Cancel