Seven Necessary Steps:

(From downloading the program to adjusting the receive and transmit parameters)

1. Download the latest version of WSJT.
2. Download the Text Help Files and READ THEM!
3. Hook up the radio interface. If you're presently using a PSK31 program your interface will work properly with WSJT. If you have a new interface hooked-up check your connections.
4. Setting up your station parameters:

Open WSJT and

- Go to the toolbar menu.
- Select Set Up
- Select Options
- Enter your call
- Enter your grid
- Enter your UTC offset
- If unsure leave Tx Delay, Rx Delay at the default settings at this time

And leave Id blank. (A cw or voice wave file can be added later if desired)

5. A Simple operational test to verify your hardware.

- **Open up the WSJT application**
- **Turn the radio off**
- **Click on the WSJT button <A>**
- **The interface should indicate that it is in the TX position (Some have a Red LED)**
- **Wait a few seconds and the interface should swap back to Rx**
- **Turn the radio on but adjust the rf power out to minimum or zero**
- **Click on the button <A>**
- **The radio should switch to transmit**
- **Click on the <TX Off> button and observe that the radio switches to Rx agn**
- **Now click on the WSJT Button <Record>**
- **After a few seconds (5 - 7 seconds) click on the <Stop> Button**
- **You should have one of the following:**

  Green line in the display OR

  A Message in a Pane of the status bar indicating "Low Rx Noise"

- **If the green line is seen, this completes the operational test. But if not seen then click on the toolbar Set-up option and select the dropdown menu item "Adjust Rx Volume Control". Now from there adjust the appropriate slider mixer control, usually the Microphone control, upward and repeat the above steps until you see the green line in the display window.**

6. Adjusting the tones.

- Operate with the speech processor off
- Turn off any type of transmit equalizer if your set-up includes one
- Check that your windows sound card tone controls are set to mid-range.
- Set your rig to 2.4kc if your transmitter has different Tx filter passbands.

(Max freq. Used by WSJT is 2205Hz and the lowest is 882 Hz)

- If you have 3D Stereo sound, turn it off by using the window Mixer Advanced Settings.
- Set your MIC Gain to the normal settings for USB talking.
- When transmitting use the windows Sound Board Mixer and adjust the slider so the ALC shows no indication on the meter. The Mixer controls can be found in the Set Up dropdown menu.
- Set the A-B-C-D tones for the same power out.

Note: when set properly all 4 tones should produce the same power out plus muti-tones should read the same as the single tones.

7. Adjusting the WSJT receive level.

- If your radio has a AGC Fast setting, set it to fast or turn it off
- Turn your Noise Blanker On
- Turn off any Notch Filters or DSP Noise Reduction Controls
- Set the AF control to the normal listening position
- With the WSJT application and the mode set to FSK441

Click on Record

Wait 5 to 7 seconds

Click on Stop

Read the dB reading on the status bar

Open up the Rx Mixer Controls from the Set Up Menu

Make adjustments to the "Microphone" slider for 0 dB

Repeat till 0 dB is achieved

These are the software settings I start each qso attempt with.

W = 20 S = 1 ST = -2 Tot = 400