{FYI- I suggest proof reading my text and procedure should I have skipped a step. As I say later, my experience with FLDIGI is only a couple of hours, acquired to assist with this issue.} With the TT-599.XML file the FLDIGI software with do full control of the Eagle. I use the 712 USB Soundcard interface and the standard USB cable between the radio and the computer.

The required file is found on the FLDIGI download page. I did a Google for FLDIGI and the following link came back. http://www.w1hkj.com/Fldigi.html From this link click on the "download page" link. It then brings up this link. http://www.w1hkj.com/download.html From here look down the list to find Rig CATxlms. Click on that link marked "xml archives" and it returns this link http://www.w1hkj.com/xmlarchives.html From here scroll down to the Tentec section and you will see the TT-599. Click on that link and it brings up this which is several hundred lines of text. {I'll leave it at the end of this message} Click on FILE on your Browser and do a Save AS and point it to the same directory as the FLDIGI program. Be sure the file is named TT-599.XML

Now, bring up FLDIGI and go to the CONFIGURE panel. There you will need to identify the COM port being used to connect the USB connector on the Eagle to the USB port on the computer. If you aren't sure about this, go to Windows Control panel, to System, to Hardware, to Device Manager and scroll down to the PORTS (comm & LPT). Click on this and you'll see the ports of which the Eagle should show USB to UART and a comm number. This is it.

Back to FLDIGI and the CONFIGURE panel, assign the same comm port as you found in Device Manager. Then click INITIALIZE and then SAVE. Don't close this tab. Then click on the tab at the top marked RIG CAT. Check "UseRig CAT" box at the top and then in the box below it is marked Rig Description File. Click on OPEN and select the TT-599 file. Then INITIALIZE on this panel and then SAVE.

This should get things working. If you don't find the Eagle connected via a Comm port, you may need to download a Windows driver from the Tentec website. Depending on your operating system, it would be either the 32 bit file or the 64 bit file. Instructions on installing this driver are provided. This driver is also required if you ever need or intend to upgrade the firmware for the Eagle. A new version that improves the NR function is available on the Tentec website.

For the power value, I always set the PWR to 100 watts and adjust the transmit audio level via the Windows Mixer or the Line Gain in the Eagle to produce about 30 to 40 watts of data output. Be sure the Speech Processor is OFF and the mode is USB. I typically run the Line Gain as indicated by the MIC and the # flashing at about 30 to 35.

The Eagle is a very solid and excellent performing radio. I doubt seriously if there is a problem with the radio or with the 712 USB Soundcard. The configuration of the software is a major stumbling block for many but once conquered it is a real winner and really work extremely well.

As I said earlier, I'd not used FLDIGI, therefore I did the download of FLDIGI, got the TT-599 file in the correct place and went through the setup panes in FLDIGI. Within an hour I was making CW and PSK-31 contacts.

OH, for what it's worth, I'm running Windows XP (SP3) on this old computer. Nothing fancy. Also downloaded FLDIGI on the laptop as it runs VISTA and had no problem with the setup, configuration and operation of the Eagle via the laptop. As to Windows 7 or 8.......still a"science project" in my opinion.

Hope this helps.

73
Bob, K4TAX