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How to use the FTDX3000 rig's built in audio drivers and USB Serial Ports

Find a USB A/B cable (same as any USB printer cable) Just install the USB drivers on the yaesu.com site *before* plugging in the USB cable. The drivers give you an enhanced COM port (check the device manager on your PC for the COM # and set it for 38,400 baud, Hardware Control - my radio gave me COM6). You also get a standard COM port (mine was assigned as COM7) which is good for PTT and keying only. Plus, you get receive and transmit audio drivers. Rename the USB Audio codec driver in Windows 7 "playback devices" as "FTDX3000 Transmit". Rename the USB Audio codec driver in Windows 7 "recording devices" as "FTDX3000 Receive". I set the Windows audio level in Win 7 to 50% for Transmit, but the Receive was very hot and I had to lower the level to just 2%. YMMV on settings. Do not set these devices as default. Don't forget to check the following rig menu items:

037 CAT SELECT USB

038 CAT RATE 38,400

039 CAT TIME OUT TIMER 10msec

040 CAT RTS ENABLE

065 MODE CW PC KEYING RTS

075 DATA IN SELECT USB

Menu 75 is very important since it changes your mic input from the 8 pin mic plug for SSB to USB audio for DATA USB mode. No plugs to change - all automatic! When using most digital modes, you must change the rig's mode to "DATA USB" or you won't be transmitting using the audio drivers. This works for everything from JT65 to BPSK to RTTY to CW (audio based non break-in). If you are not getting power out and the mic is still active, YOU FORGOT TO SWITCH to DATA USB! Use your ALC meter to verify that the meter is about midway during a digital contact.

The secondary "standard" COM port is great for break-in CW keying if you want to use your digital software to SEND CW. Give this Port number to your CW software and tell the software that you want to use RTS keying for true CW (not CW sideband based). Put the rig in USB CW mode and on Break in.

Works great.

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