## Icom-7300 setup with WSJT-X and other Digital Modes

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The following is some info related to setting up the ICOM-7300 for digital modes and specifically with WSJT-X software. The following assumes using a single USB connection from the rig to your Windows PC. Note that the ports indicated are specific to my setup and will likely vary in your installation. Your mileage will vary...

- 1.) First ensure that the latest USB drivers are downloaded and installed form the ICOM website: <u>https://www.icom.co.jp/world/support/download/firm/IC-7600/usb1\_20/</u>
- 2.) Once the USB driver is installed and the radio connected to your PC identify which serial port controls the Radio and the sound card information. The soundcard is internal to the rig and also installed with the USB drivers. In my case:
  - a. USB serial port is COM28
  - b. USB Audio Codec 12
- 3.) Here are the screen shots of the radio from the Menu $\rightarrow$ SET $\rightarrow$ Connectors:



Note the 10% AF output level works well with WSJT-X but may need to be increased to 50% when using DM780 on PSK31. Adjust as necessary.



Now switch to Menu→SET→Connectors→CI-V

CONNECTORS		
DATA MOD	USB	
External Keypad		
CI-V		
USB Serial Function	CI-V	1



Baud rate is set at 19200 for CAT control. Some software requires other values but this works well for me on WSJT-X and Ham Radio Deluxe.

4.) The following screen shots are from WSJT-X:

General	Radio	Audio	Tx Macros	Reporting	Frequencies	Colors	Advanced
Soundca	ard						
Input:	Input: Microphone (12- USB Audio CODEC						Mono 🔻
Output:	Speakers	Speakers (12- USB Audio CODEC )					
Save Dir	ectory						
Location		Select					
AzEl Dire	ectory						
Location	n: C: <mark>/U</mark> sers	Rick/Appl	Data/Local/WSJ	T-X			Select
Rememb	per power s	ettings by	band				
Tran	nsmit			Tune			

General Radio Audio Tx Macros Repor	rting Frequencies Colors Advanced			
Rig: Icom IC-7300	▼ Poll Interval: 1s 🖨			
CAT Control	PTT Method			
Serial Port: COM28 🗸	💿 VOX 💿 DTR			
Serial Port Parameters	CAT			
Baud Rate: 19200 💌	Port: COM11 💌			
	Transmit Audio Source			
Data Bits	Rear/Data   Front/Mic			
Seven 💿 Eight	Mode			
Stop Bits	None OUSB OData/Pkt			
One One Two	Split Operation			
Handshake	💿 None 🔘 Rig 🔘 Fake It			
None XON/XOFF Hardware				
Force Control Lines				
	Test CAT Test PTT			

5.) Set the rig to USB-D (it won't transmit without this). I recommend setting the FIL1 bandwidth to 3.00K, turning off AGC when running JT-65, JT-8, FT-8 or WSPR modes.