

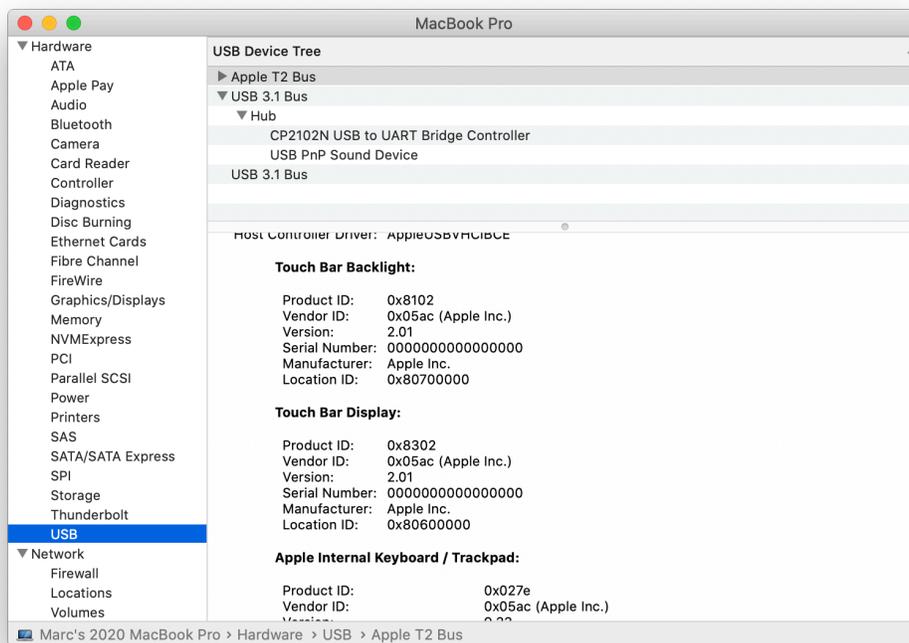
WSJT , TX-500 , Digirig setup notes

Mac - install silicon labs driver for USB to UART. USB cable not plugged into Mac

<https://www.silabs.com/developers/usb-to-uart-bridge-vcp-drivers>

Attach Digirig Module to radio and Mac, make sure the cable is a data capable USB-C cable not a charging only cable.

On Mac - Apple → About this Mac → System Report → USB
check that USB devices are recognized



USB device list

Open WSJT , configure radio

Rig Kenwood TS-2000 (or similar)

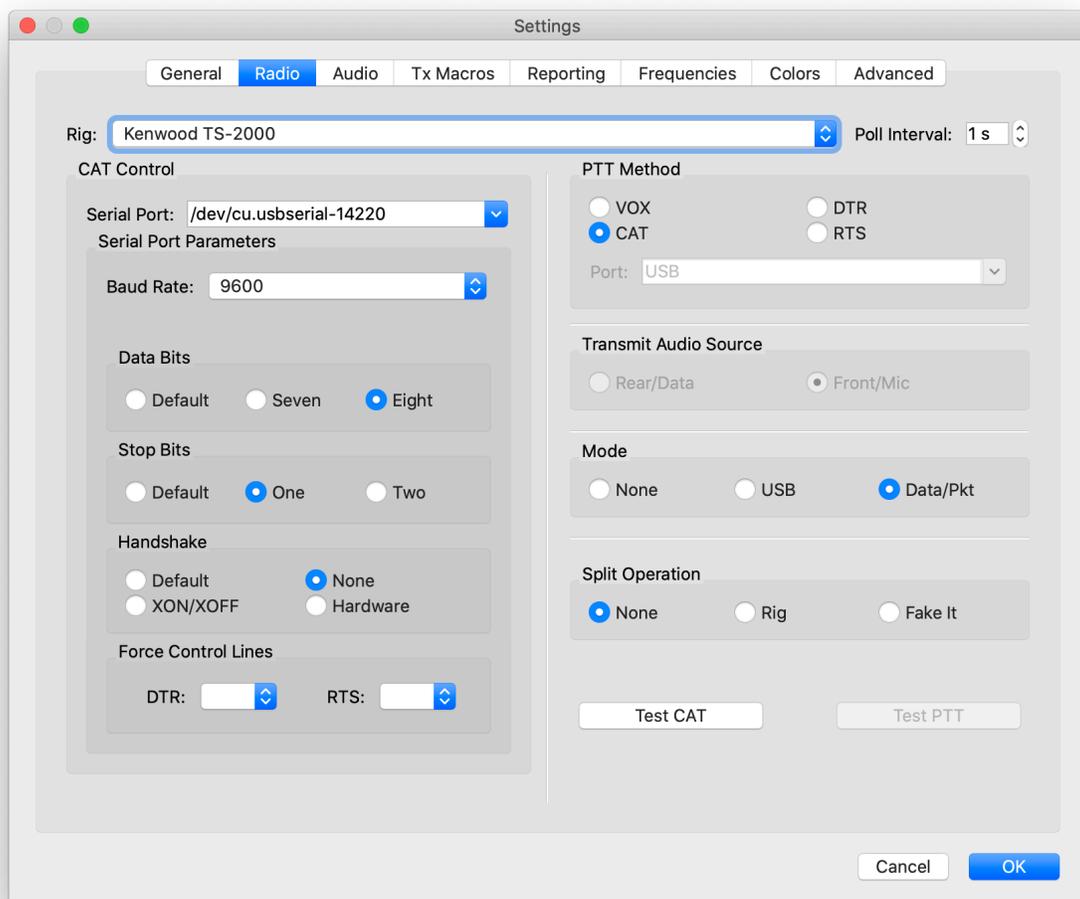
Serial port details depend on your setup

Baud 9600

Hardware 8-1-None

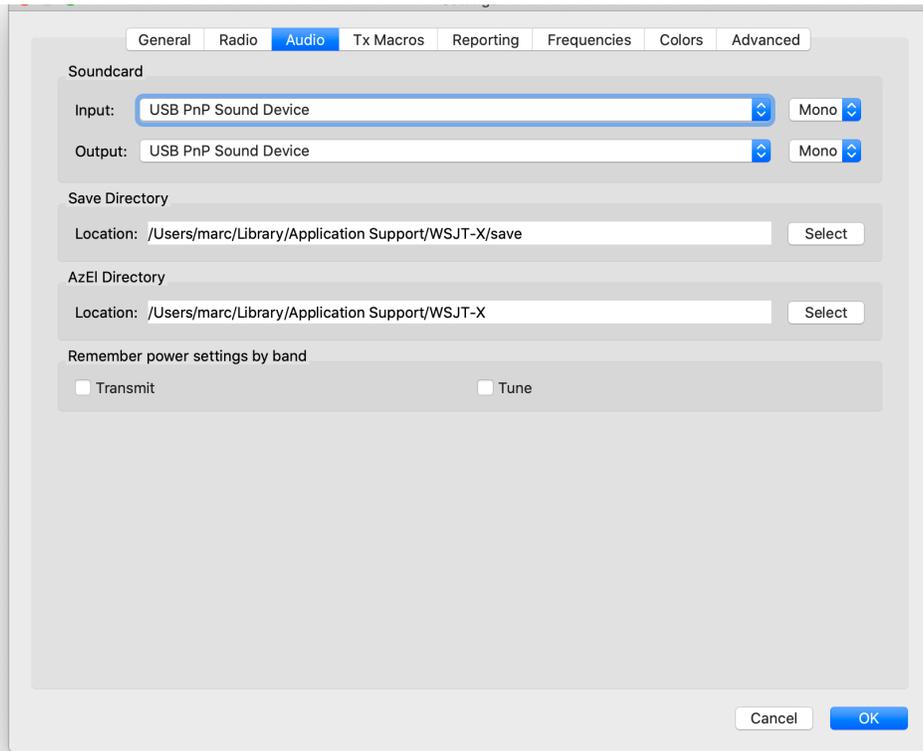
Mode - Data/Pkt (you will still need to set this manually on the rig to DIG)

Split - Fake it on None (Rig split not supported yet by Lab599)



WSJT Radio

WSJT - Audio



WSJT Audio

Next Configure the Radio

Set Mode to DIG , WSJT will not set the mode for the TX-500 as Kenwood command set does not support a digital mode as per Lab599

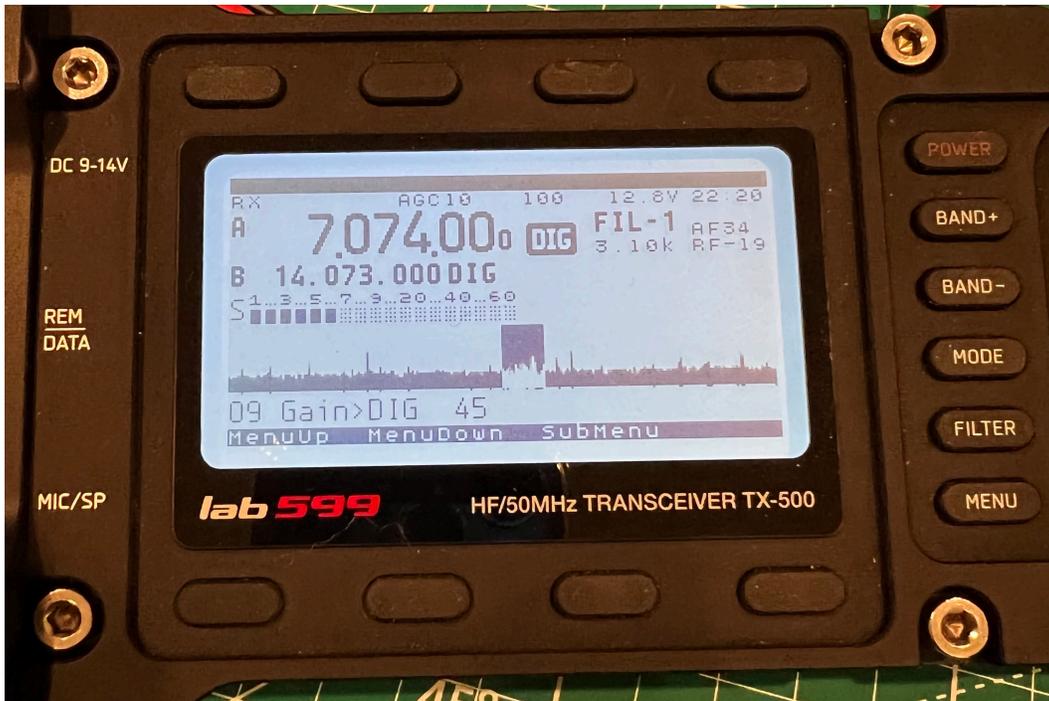
There are 3 main controls that effect output power on the radio through the Mac and WSJT.

Menu 09 Gain, submenu DIG mine is set to 45

WSJT Main Window Power Slider (all the way up)

Mac Output Volume control

Set these so the output power on the rig is what you want, too high and you may see spurious spikes on the radio's pan adapter, too low and nobody will spot you



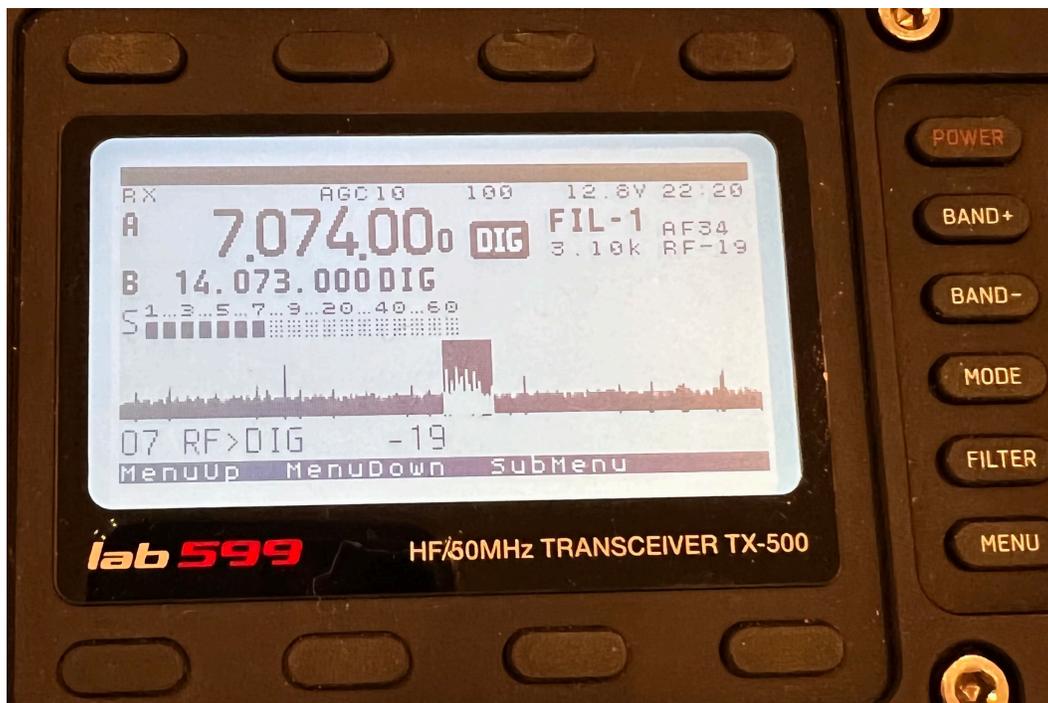
Gain

Next Set the Input Volume/Signal Strength , 2 controls effect this this will determine how well the signal is for decodes

Rig: RF Menu 07 submenu DIG , mine is set to -19

The Input sound volume control in sound prefs on the Mac

Set these so the Volume dB meter on the left side of the main WSJT window is in the green range. the settings may differ by band and antenna etc...



RF Gain

At this point you should see incoming signals on the waterfall in WSJT and be able to transmit an outbound signal and see the power meter react on the rig

WSJT-X v2.5.1 by K1JT, G4WJS, K9AN, and IV3NWW

Band Activity					Rx Frequency				
UTC	dB	DT	Freq	Message	UTC	dB	DT	Freq	Message
223600	-10	0.5	1309	KC8YDS K8WV +16	214815	-9	-0.3	1265	CQ KD9TJH EN60 U.S.A.
223600	-2	1.0	1002	KC8YDS WA9THI EM69	214845	-10	-0.3	1265	CQ KD9TJH EN60 U.S.A.
223600	-15	0.4	1728	UT5UDX WA8OMR EM99	221615	-8	-0.4	1269	KD9TJH KE0CSH BRR
223600	-6	0.5	1158	<...> VE3GRA R-18	221715	-15	-0.1	1269	KD9TJH KE0CSH BRR
223600	-11	0.5	252	HA1BF AA0M2 R-15	222015	-12	-0.1	1269	WB0DHB KE0CSH -11
223615	2	0.5	1308	K8WV KC8YDS R+09					
223615	-8	-0.6	859	K2QI KB8PHH 73					
223615	-13	0.5	1037	8P4JS NJ2DX FN31					
223615	-9	0.5	670	CQ AB0DC EM37 U.S.A.					
223615	-15	0.7	494	8P4JS S58N -14					
223615	-9	0.5	775	CQ AB0DC EM37 U.S.A.					
223615	-12	0.8	1544	NP3DM AK1VT R-18					
223630	1	1.0	1002	KC8YDS WA9THI EM69					
223630	1	0.4	519	UT5UDX K8BL EN91					
223630	-14	0.5	1309	KC8YDS K8WV RR73					
223630	-4	0.5	1599	<...> VE3GRA R-18					
223630	-11	0.4	1366	CQ KC3GSV FN21 U.S.A.					
223630	-15	0.5	252	HA1BF AA0M2 R-15					
223630	-17	0.4	1728	UT5UDX WA8OMR EM99					

40m 7.074 000

DX Call: KA9VRX, DX Grid: EM67, Az: 180, 444 km

2021 Oct 28 22:36:44

Receiving TX-500 Digirig FT8 7 WD:0m

WSJT Main

comments to: KC9WIB@gmail.com