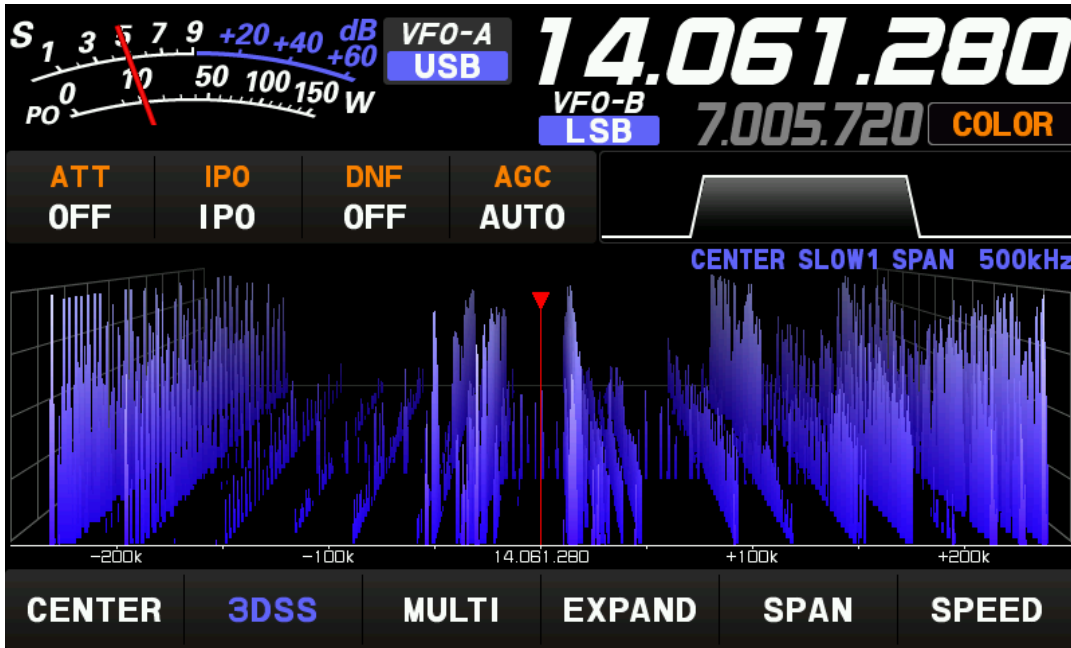


How to setup the WSJT-X to work with the FT-710

- 1) Check if your FT-710 has the latest firmware



Press the [FUNC] button on the radio



Touch EXTENSION SETTING

EXTENSION SETTING	
DATE&TIME	DAY 23
SD CARD	MONTH JAN
SOFT VERSION	YEAR 2023
CALIBRATION	HOUR 16
RESET	MINUTE 35
BACK	

Touch SOFTWARE VERSION

EXTENSION SETTING	
DATE&TIME	MAIN : V01-08
SD CARD	DISPLAY : V01-06
SOFT VERSION	DSP : V01-00
CALIBRATION	SDR : V01-03
RESET	DST : B2(EU)
BACK	

Check the radio has the following versions or later

MAIN : V01-08
DISPLAY : V01-06
DSP : V01-00
SDR : V01-03

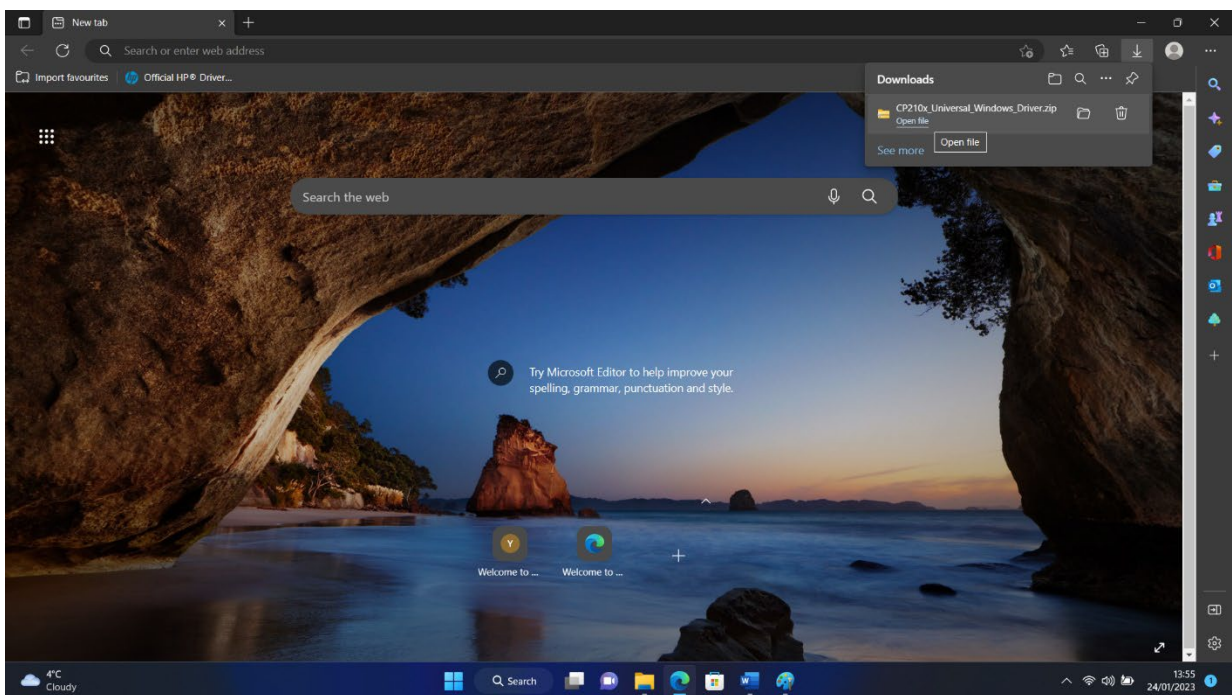
If not then you may have to upgrade the firmware of your radio.

Touch BACK to get back to the frequency display.

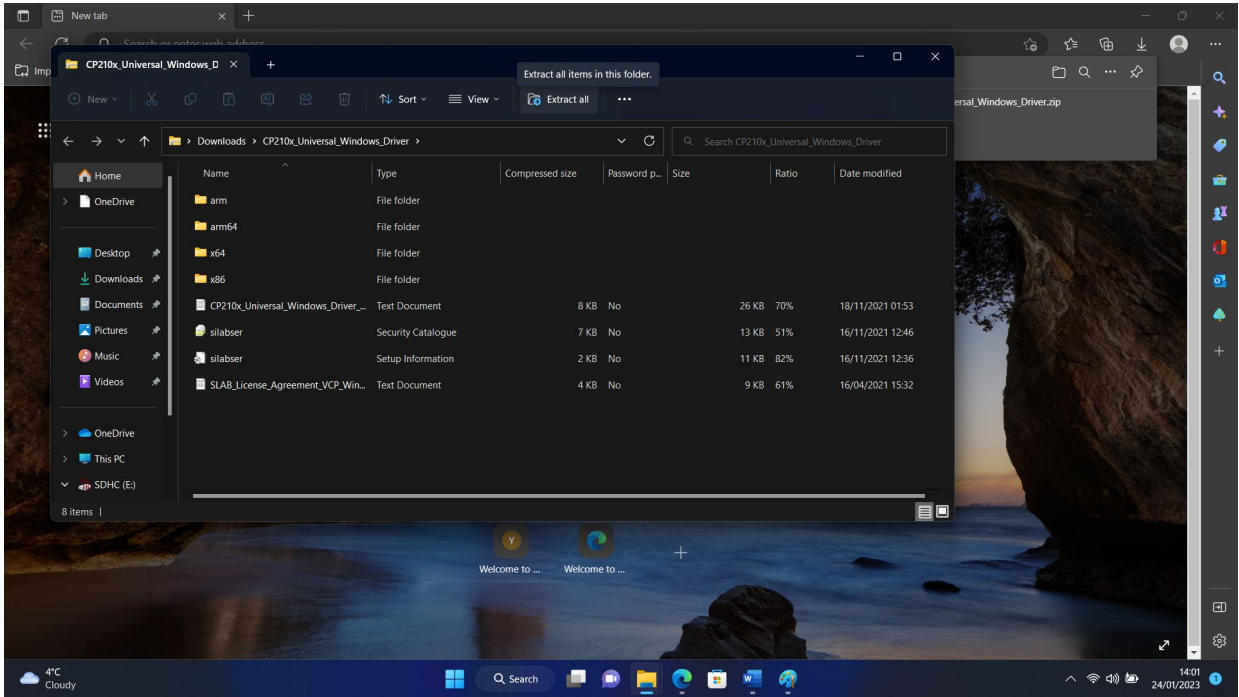
2) Download and Install the FT-710 Silicon Labs Com port drivers.

Open your web browser and browse to

<https://www.yaesu.com/downloadFile.cfm?FileID=17518&FileCatID=42&FileName=CP210x%5FUniversal%5FWindows%5FDriver.zip&FileContentType=application%2F%2Dzip%2Dcompressed>

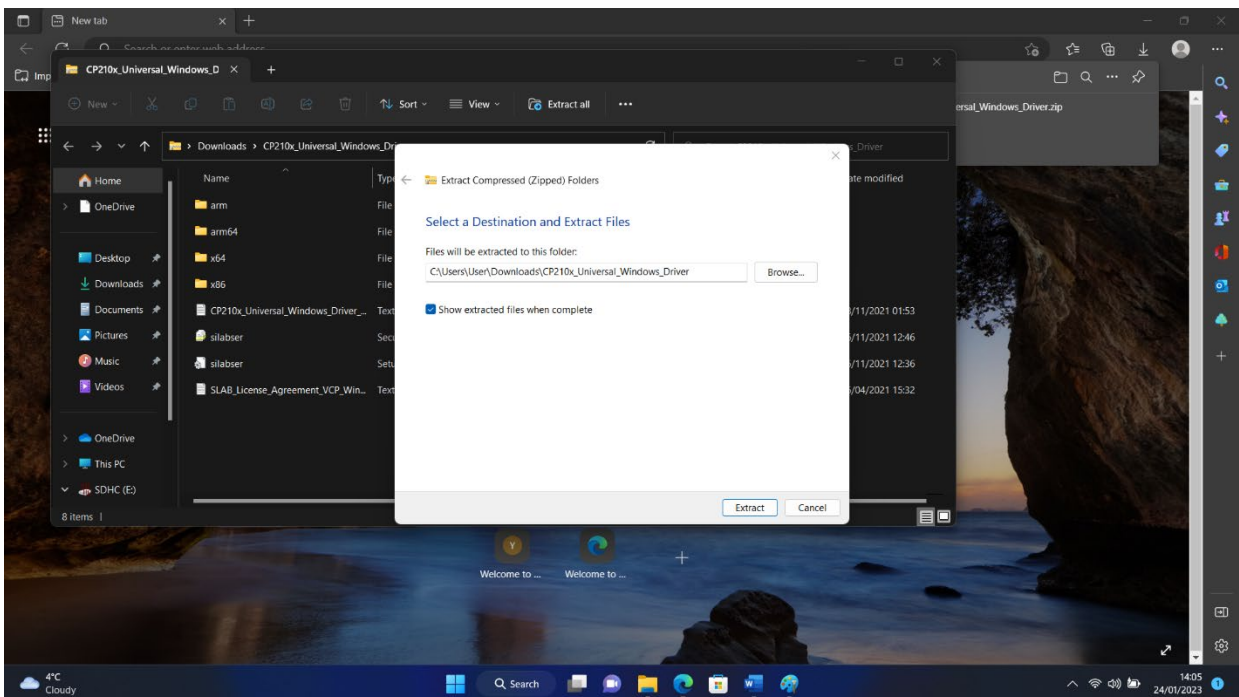
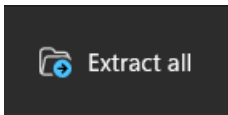


Underneath CP210x_Universal_Windows_Driver.zip click Open File

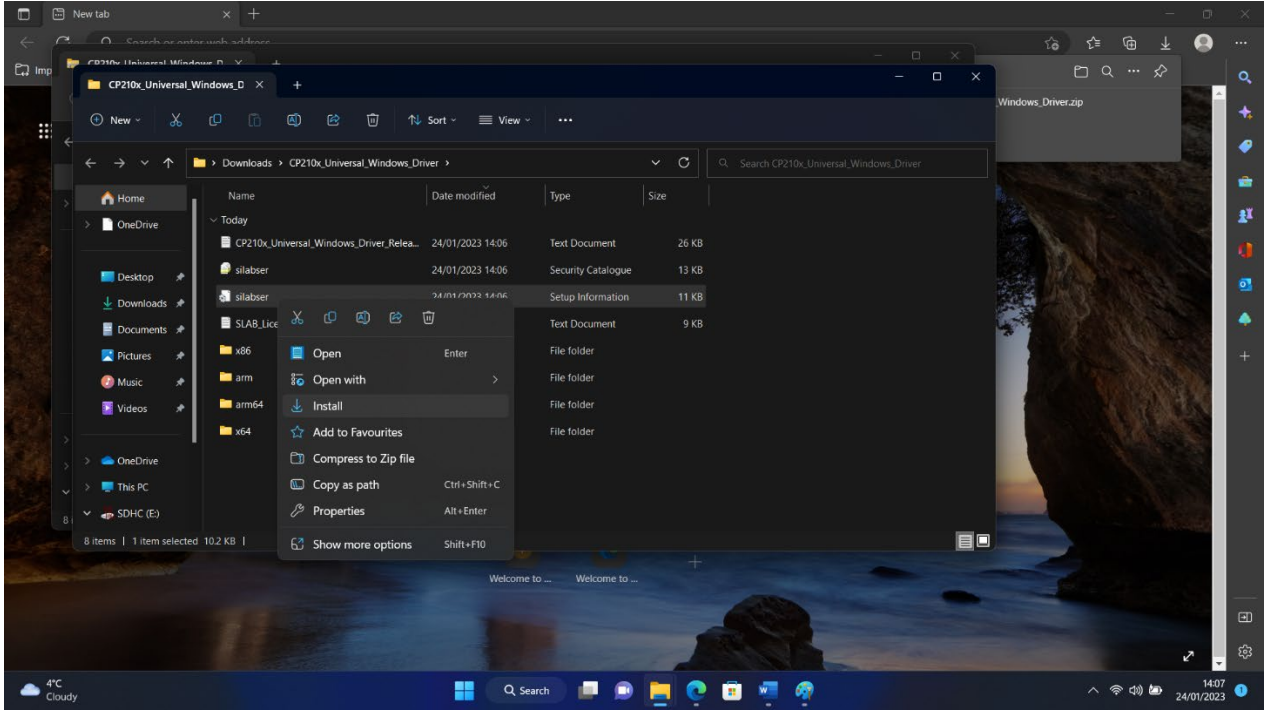


The download zip file will appear on the screen.

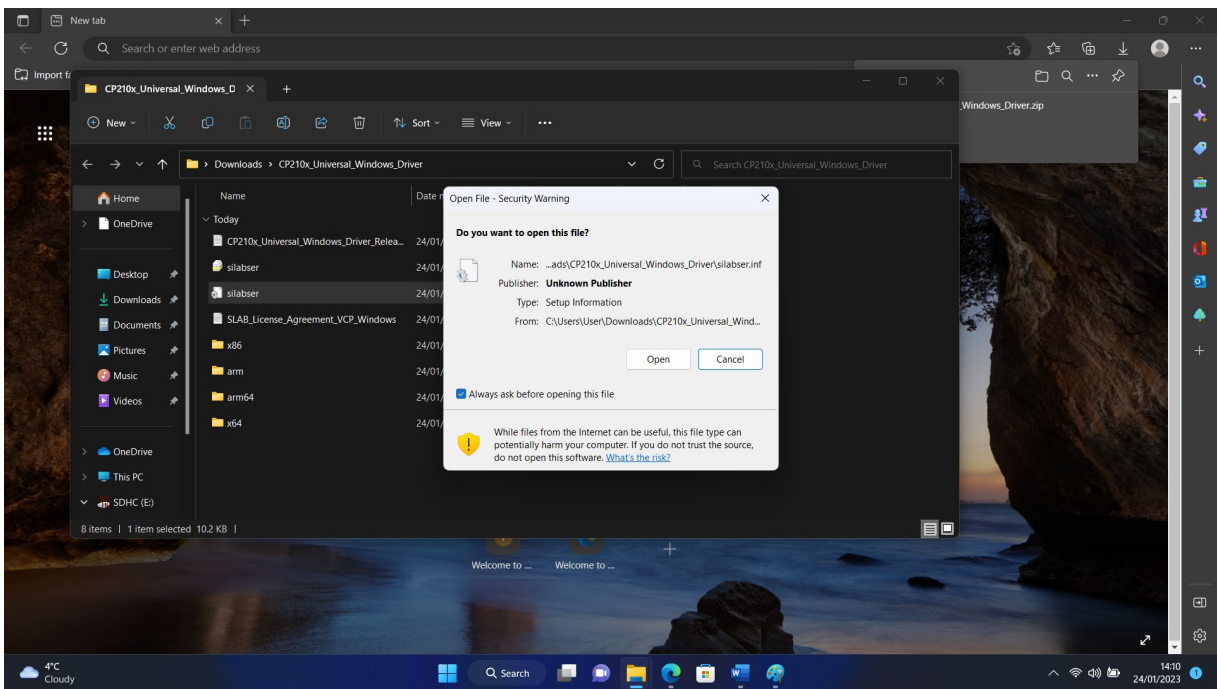
Click on the Extract all icon



Click Extract
The zip file will be extracted

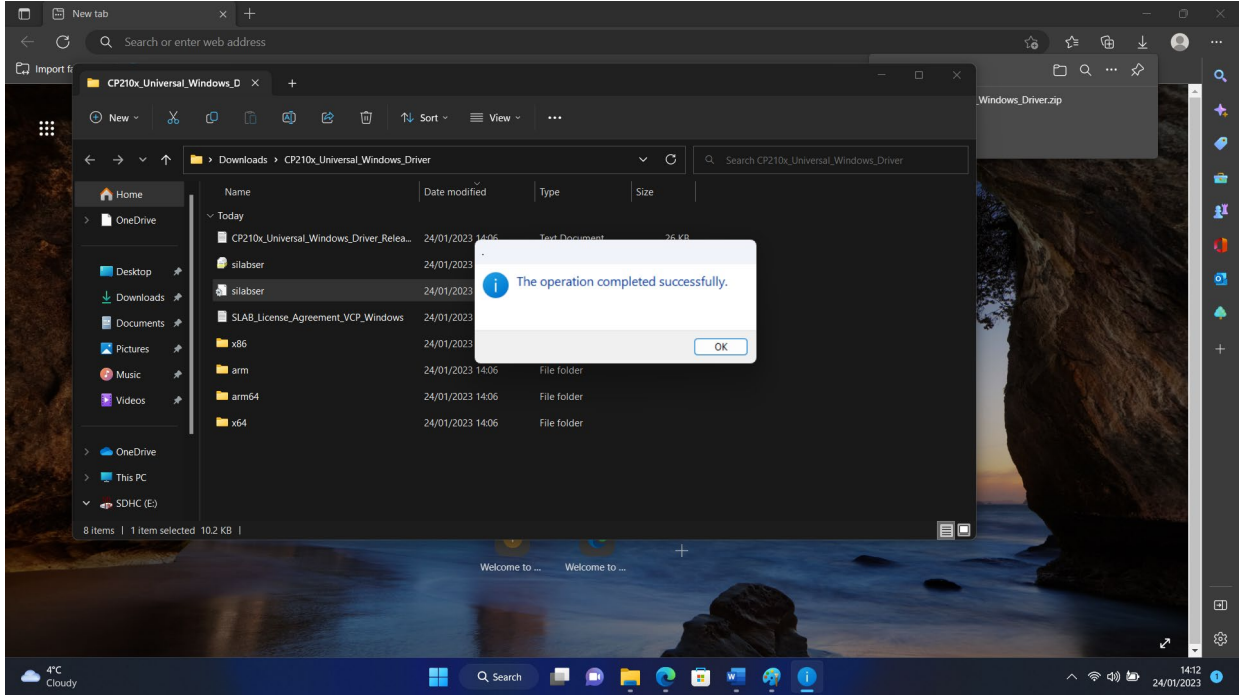


Right Hand click silabser (Setup Information)
Click Install



Click Open

Click Yes at the INF installer window.

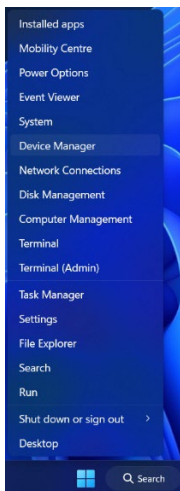


Click OK

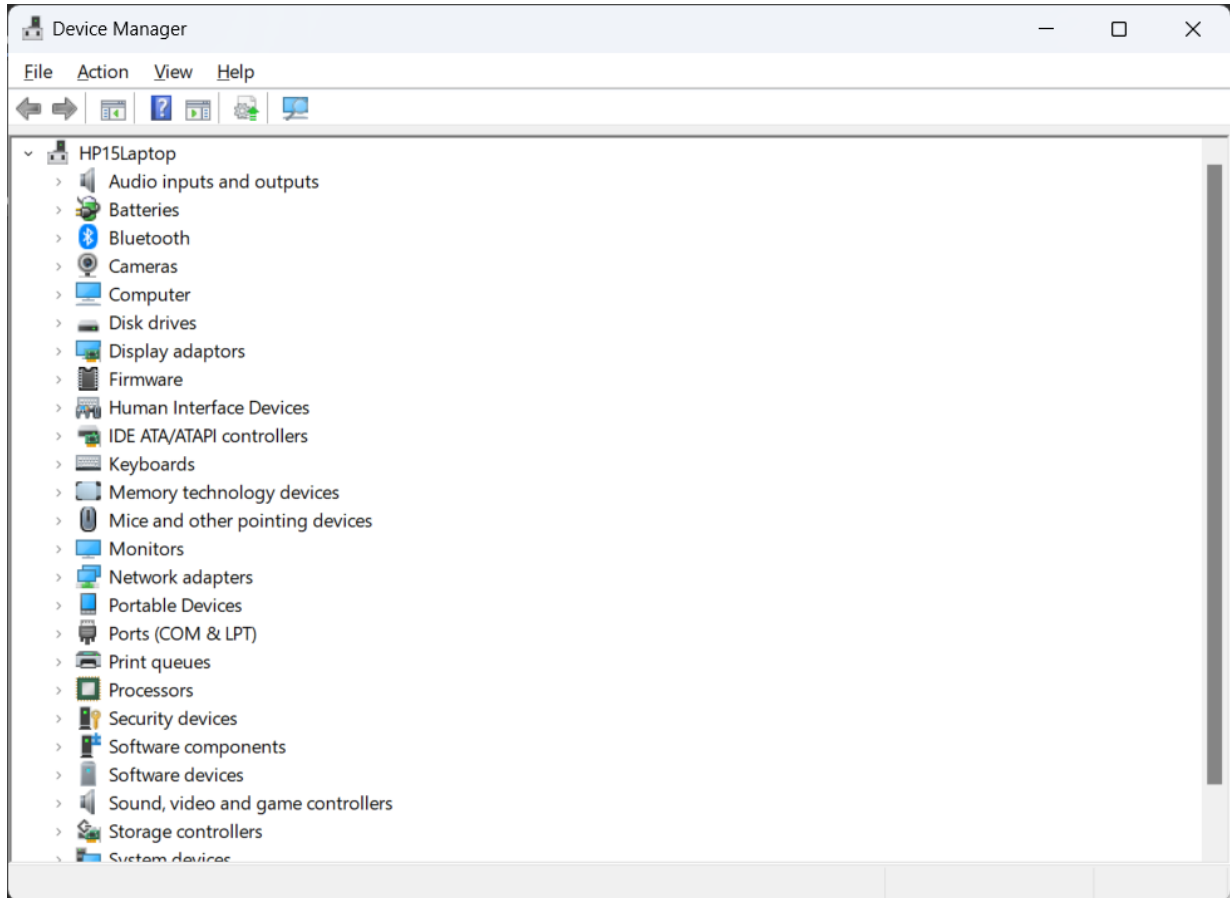
Next plug in the USB cable between the FT-710 and the PC, you may hear a sound from the PC.

You can now check if the driver is installed.

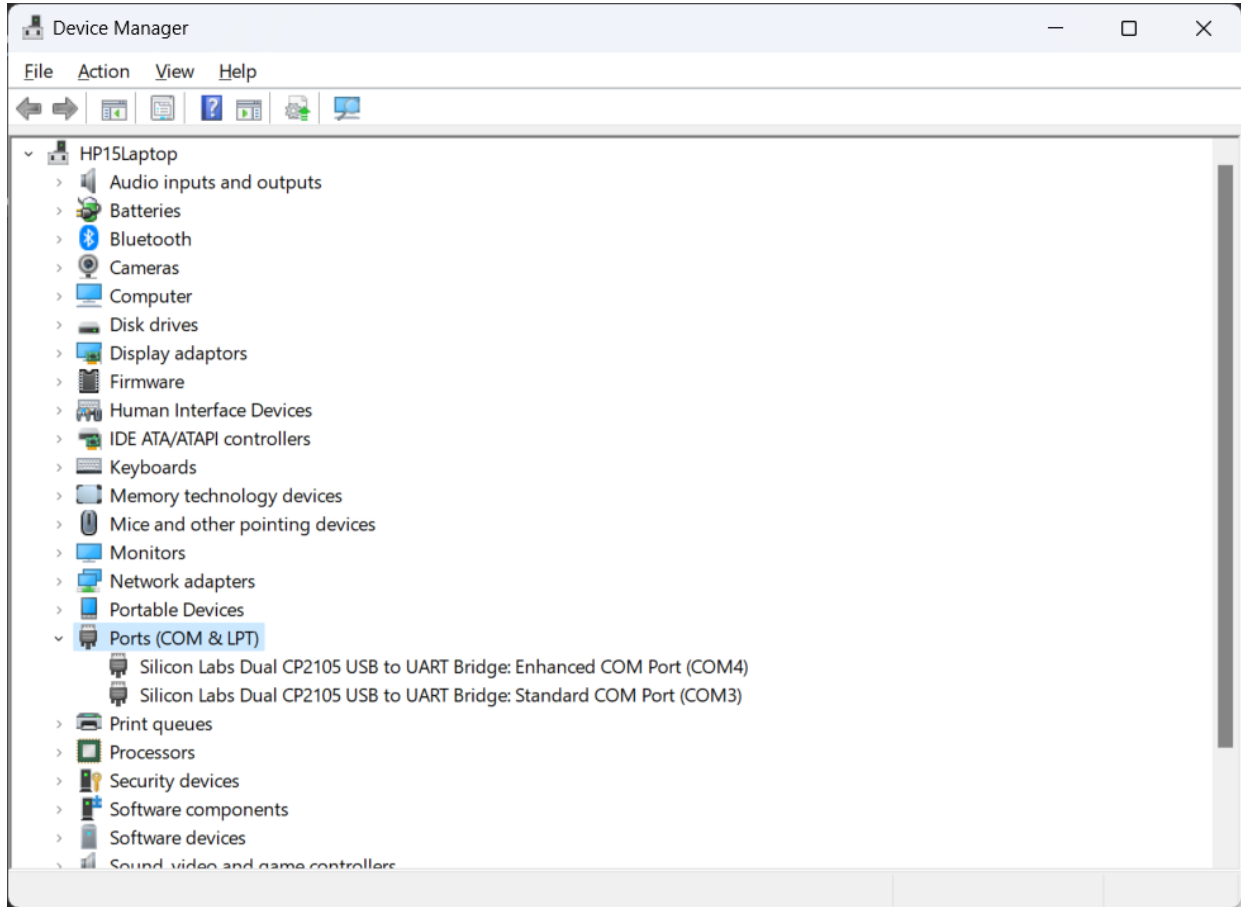
Right hand mouse click the Start menu



Click Device Manager



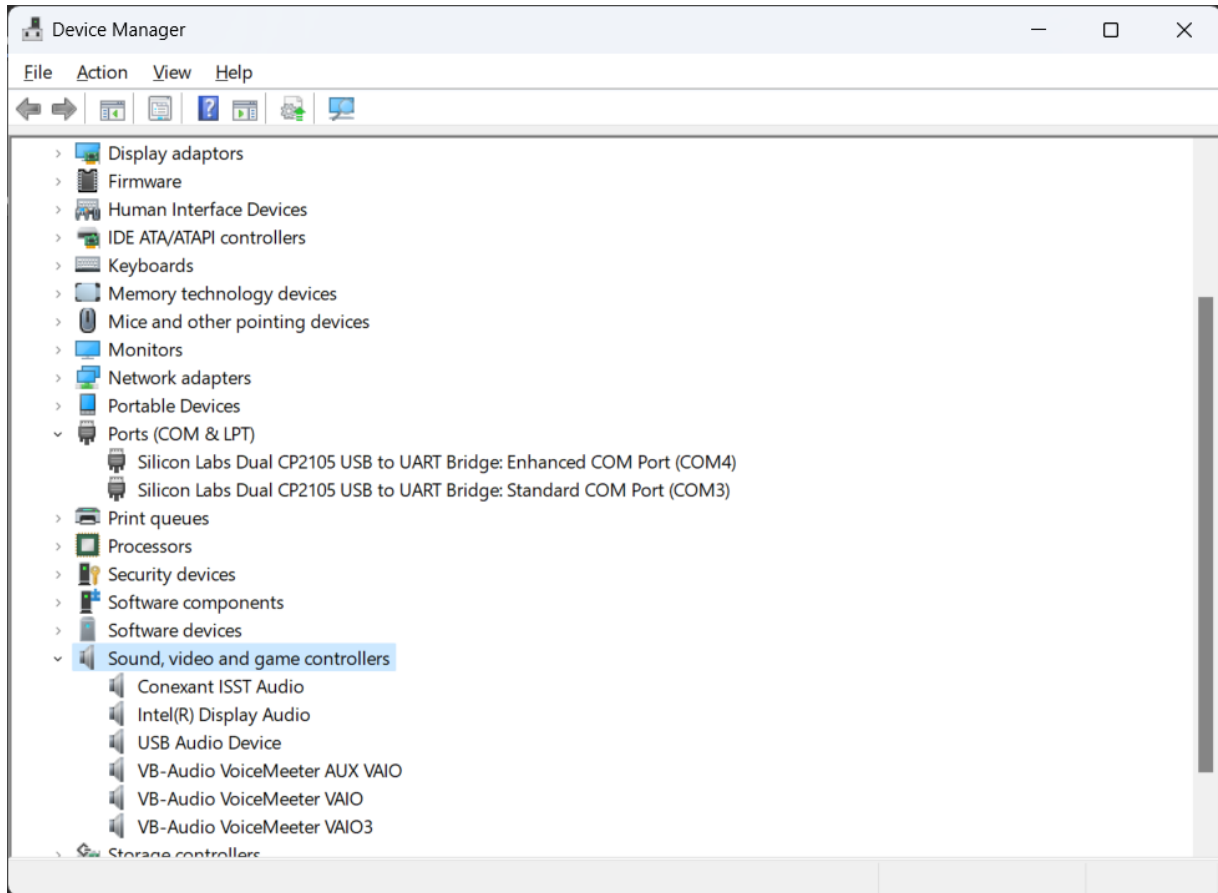
Click double click on Ports (COM & LPT)



You should have two ports listed.

Silicon Labs Dual CP2105 USB to UART Bridge: Enhanced COM port (COM4) – This is for CAT control.
Silicon Labs Dual CP2105 USB to UART Bridge: Standard COM port (COM3) – This is for PTT.

The exact COM port number will vary from computer to computer.



Scroll down to Sound, video and game controllers.

You should have a device called USB Audio Device.

This is used in your data modes software for transmitting and receiving audio.

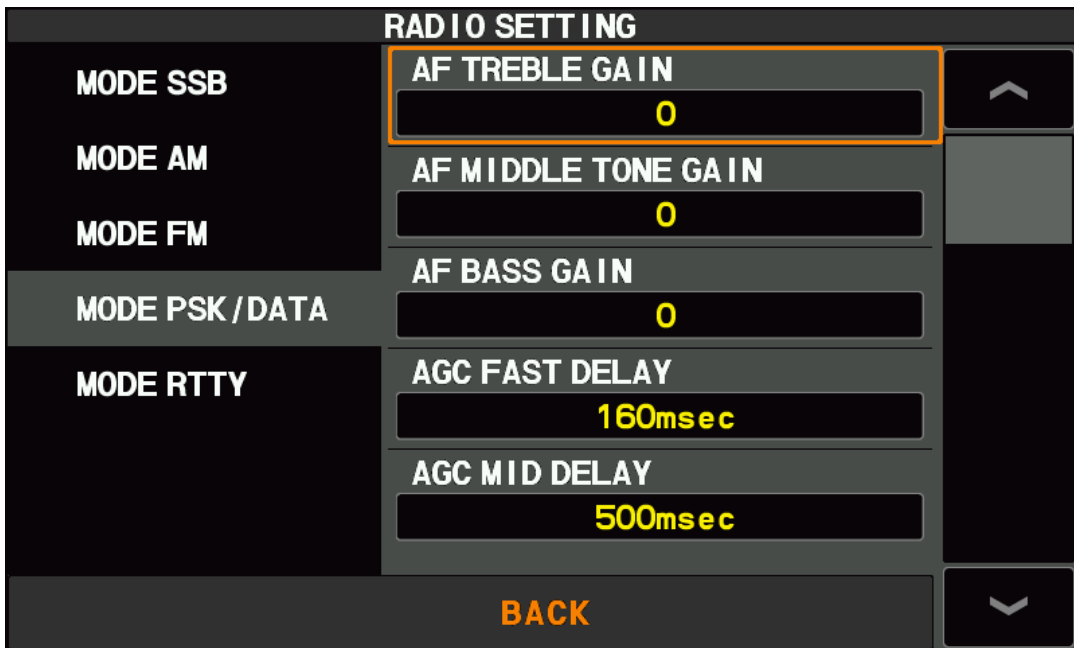
Close the device manager window.

3) Prepare the FT-710 for audio, CAT Control and PTT via the USB port

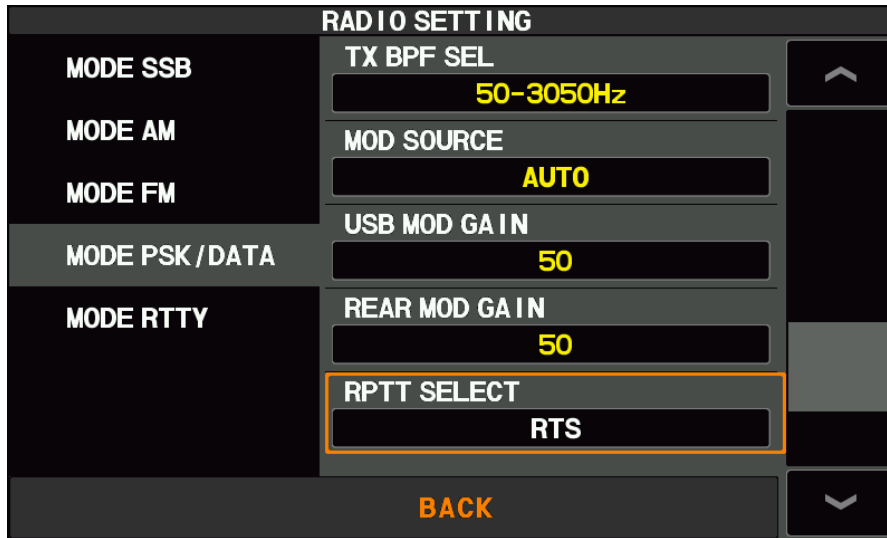
Press the [FUNC] button on the radio



Touch RADIO SETTING



Touch MODE PSK/DATA

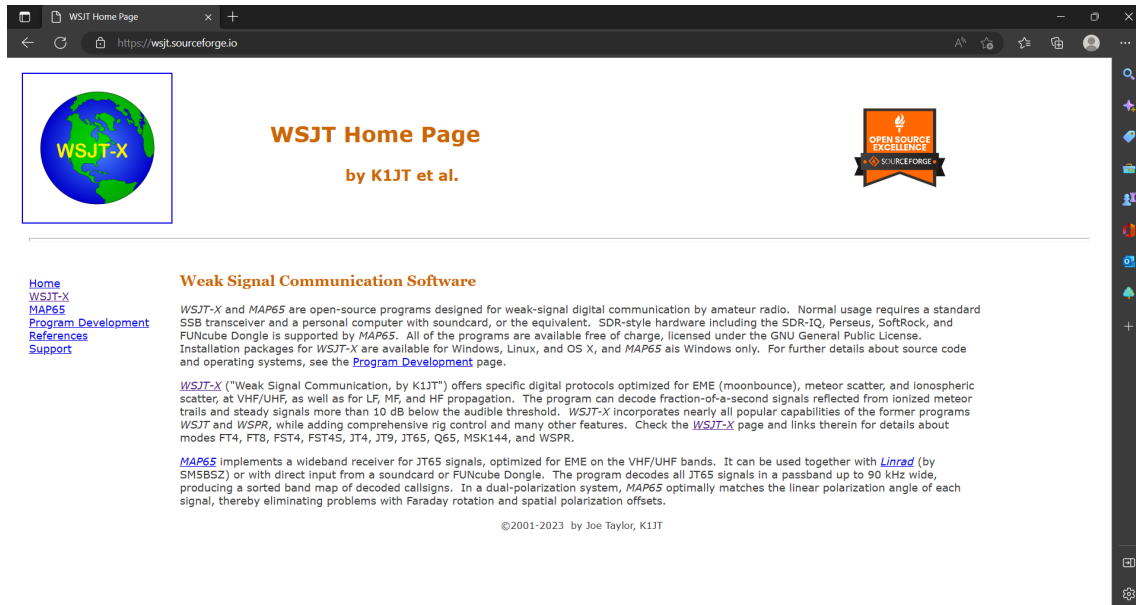


Touch the down arrow until you get to RPTT SELECT
Touch RPTT SELECT and rotate the FUNC knob to change the setting to RTS.
Touch BACK until you are back to the main frequency screen.

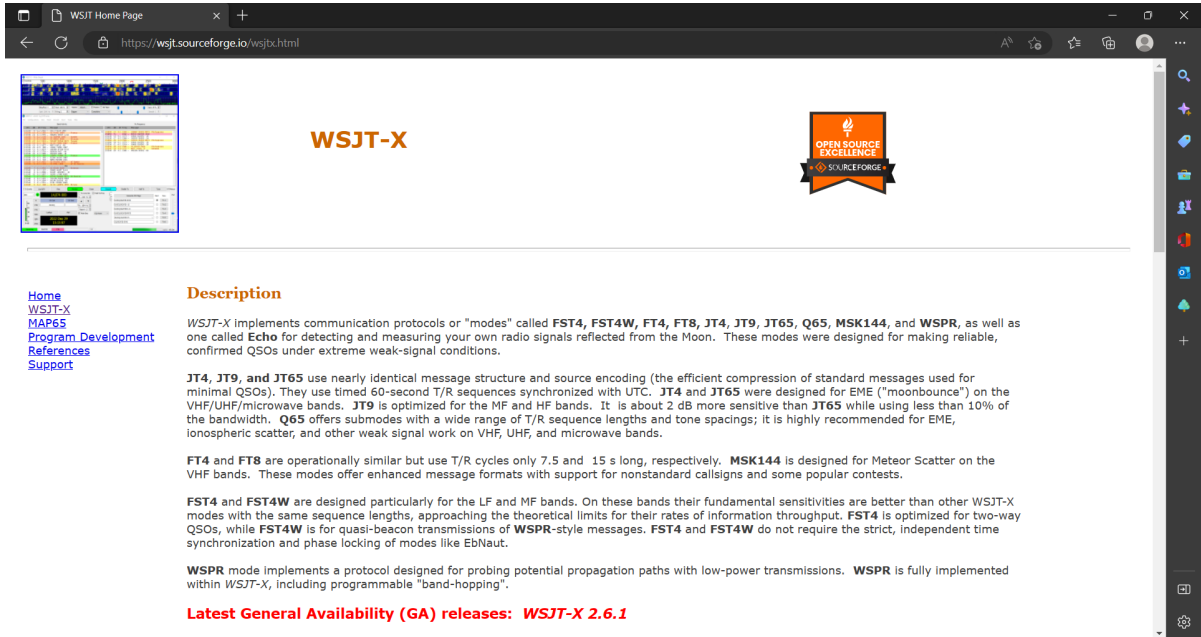
4) Download and Install WSJT-X

Open your web browser and browser to

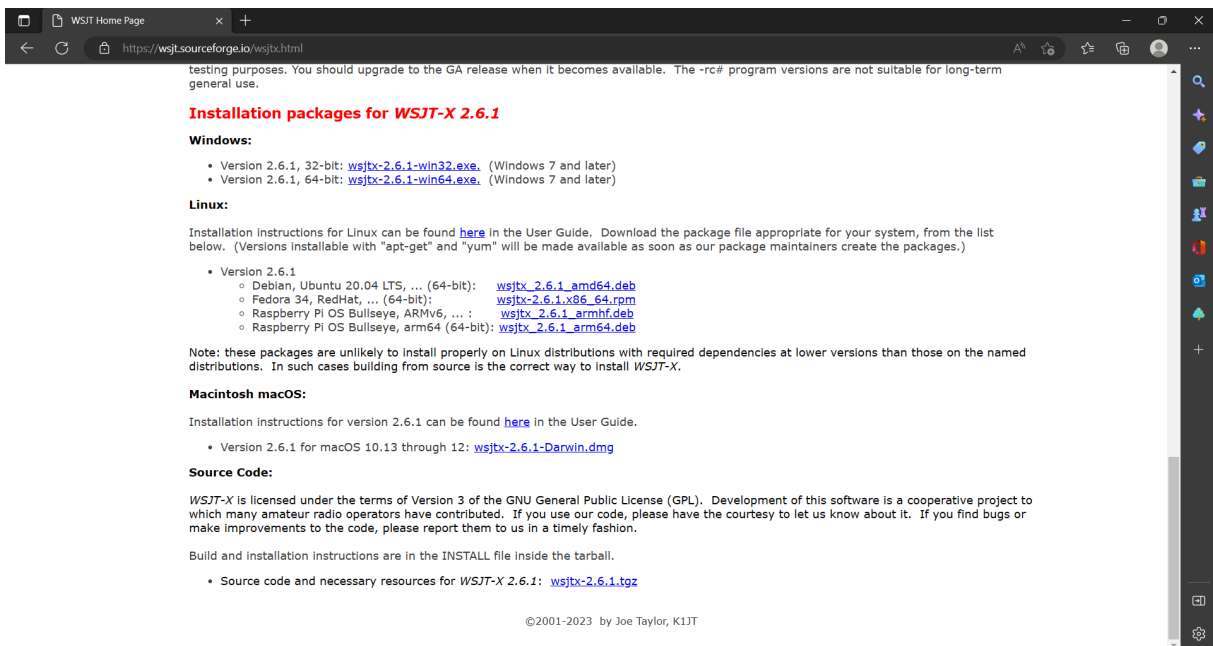
<https://wsjt.sourceforge.io/>



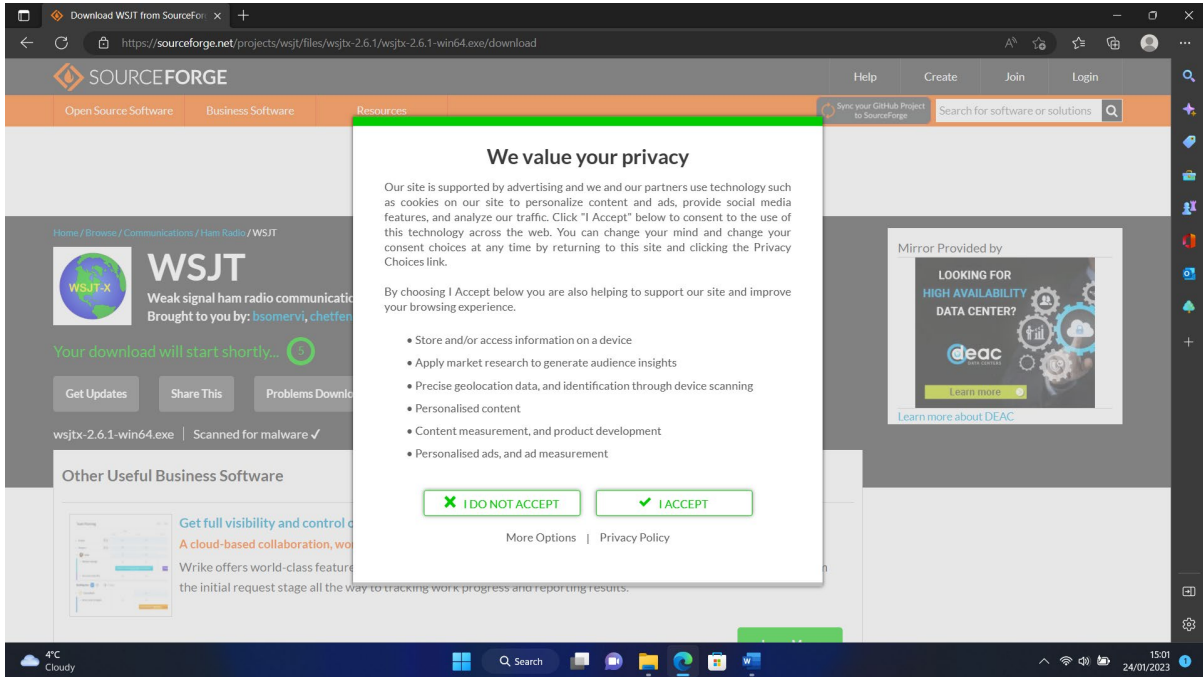
Click on WSJT-X



Scroll down until you see Installation packages for WSJT-X 2.6.1

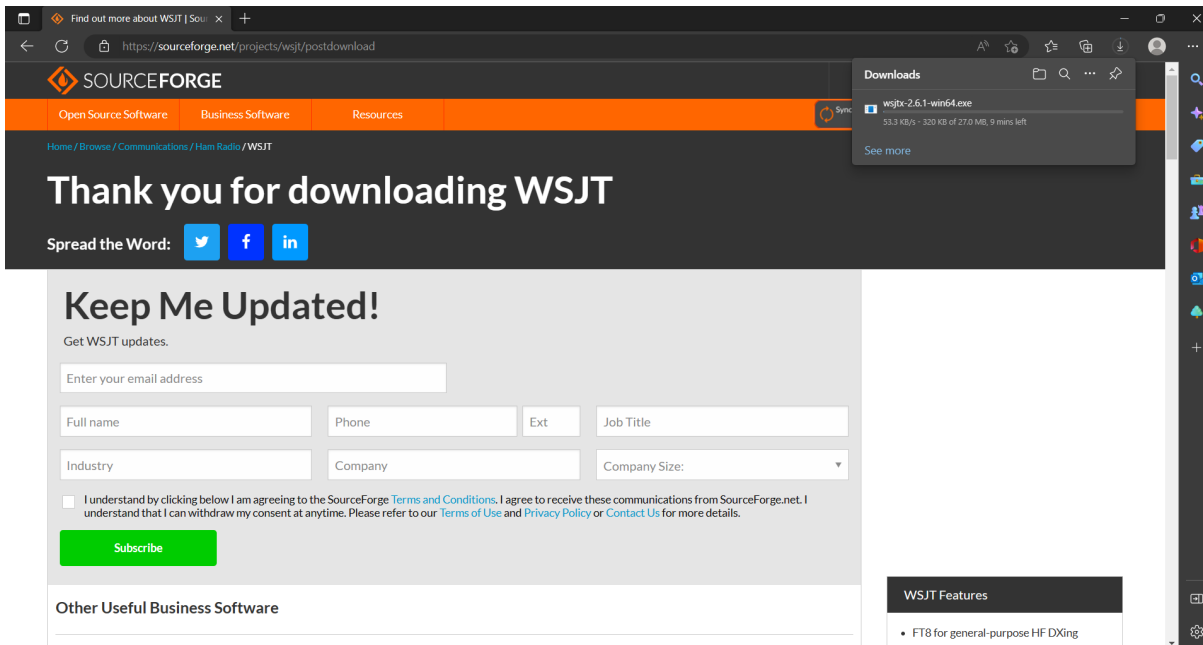


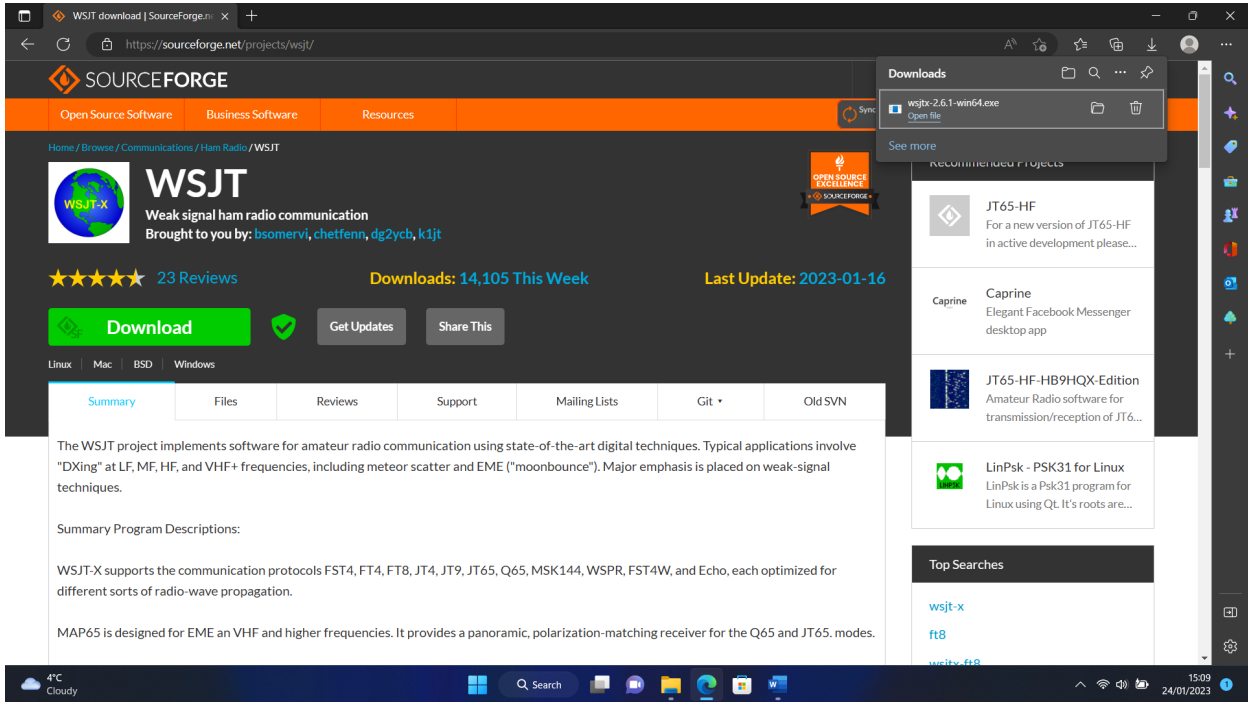
Click on the download appropriate for your computer and operating system.
In this example click on
Wsjtx-2.6.1-win64.exe



Click the privacy policy as appropriate.

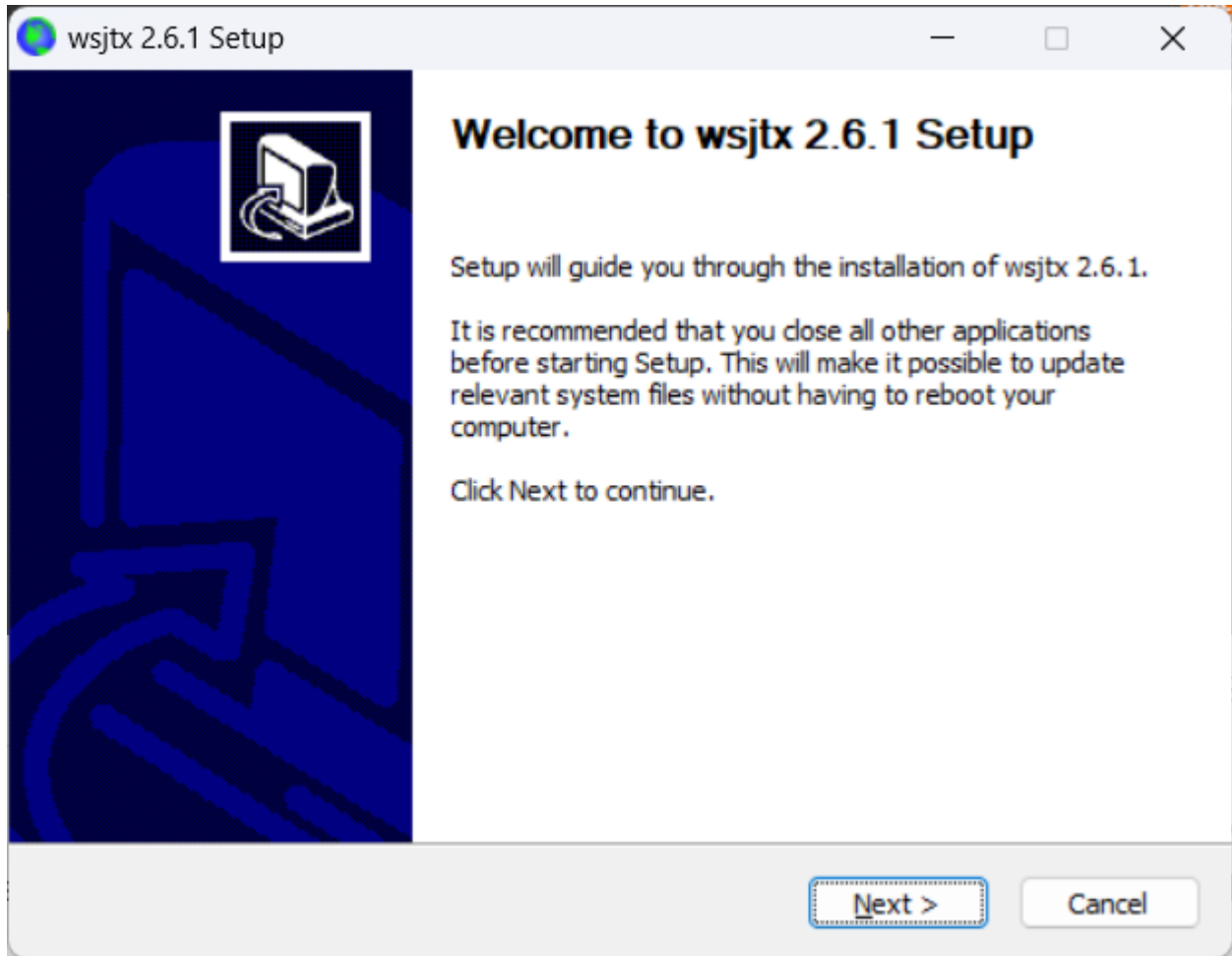
After a short delay the WSJT-X software will start downloading.



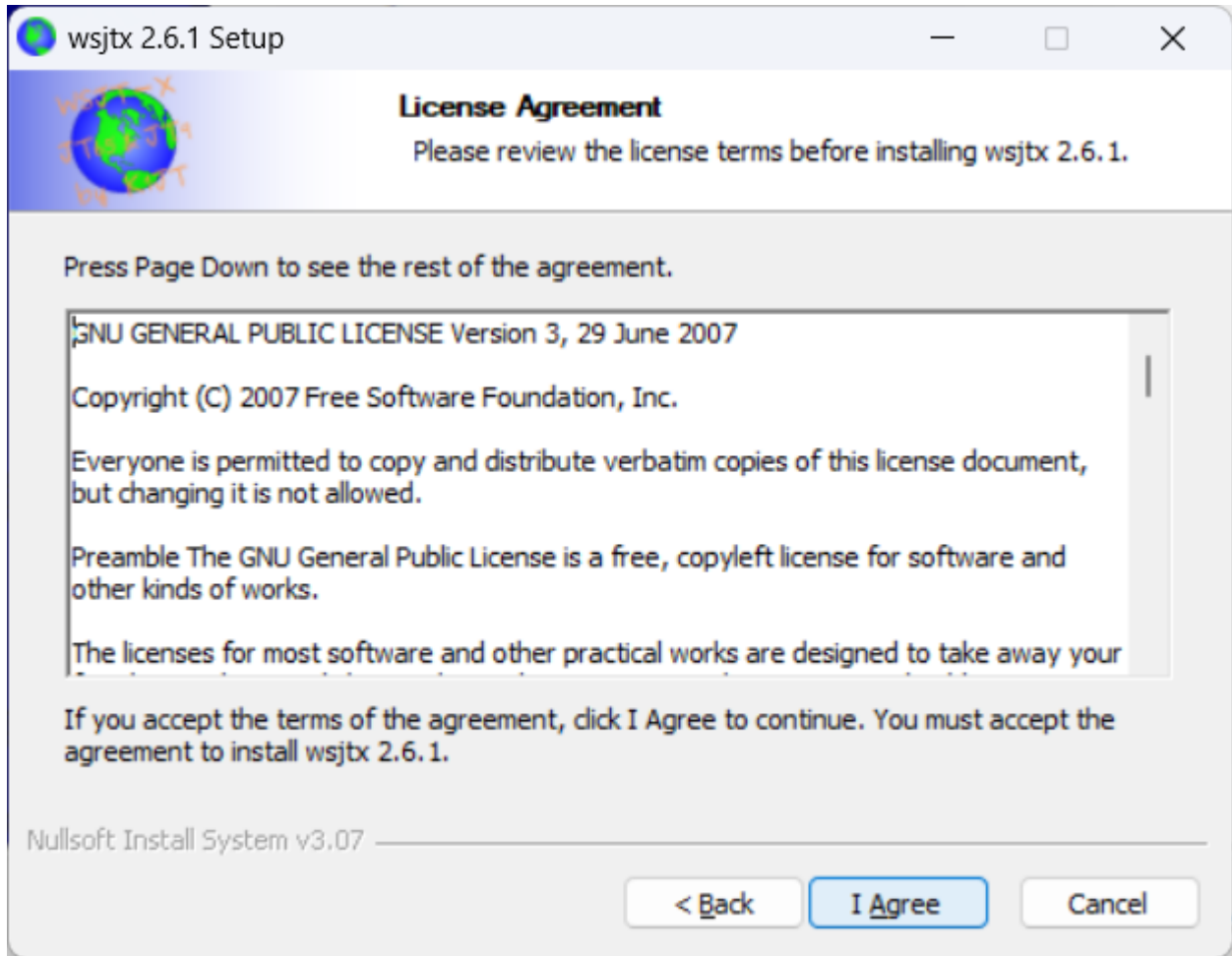


When the software has finished downloading.
Click on wsjtx-2.6.1-win64.exe

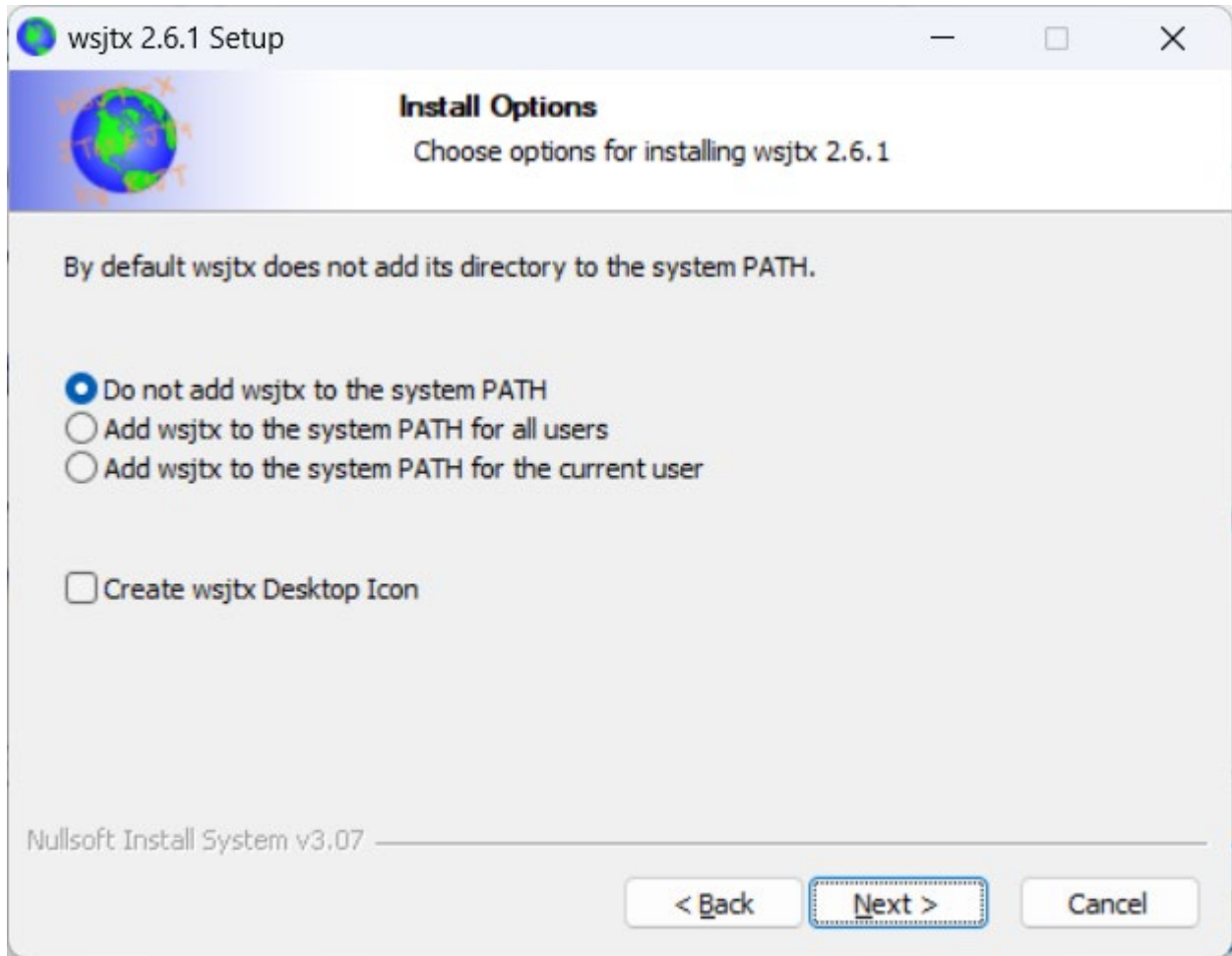
Click on Yes



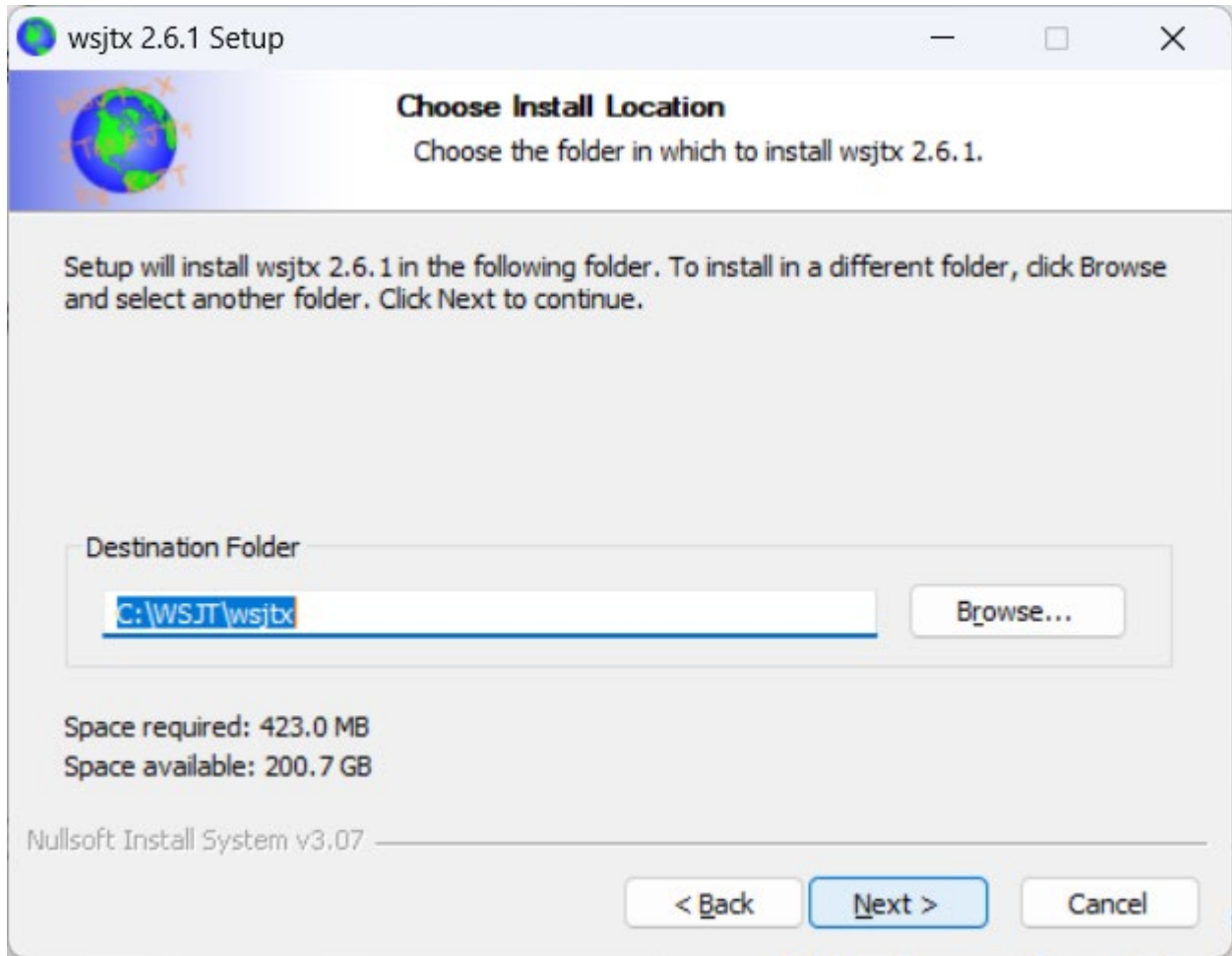
Click Next

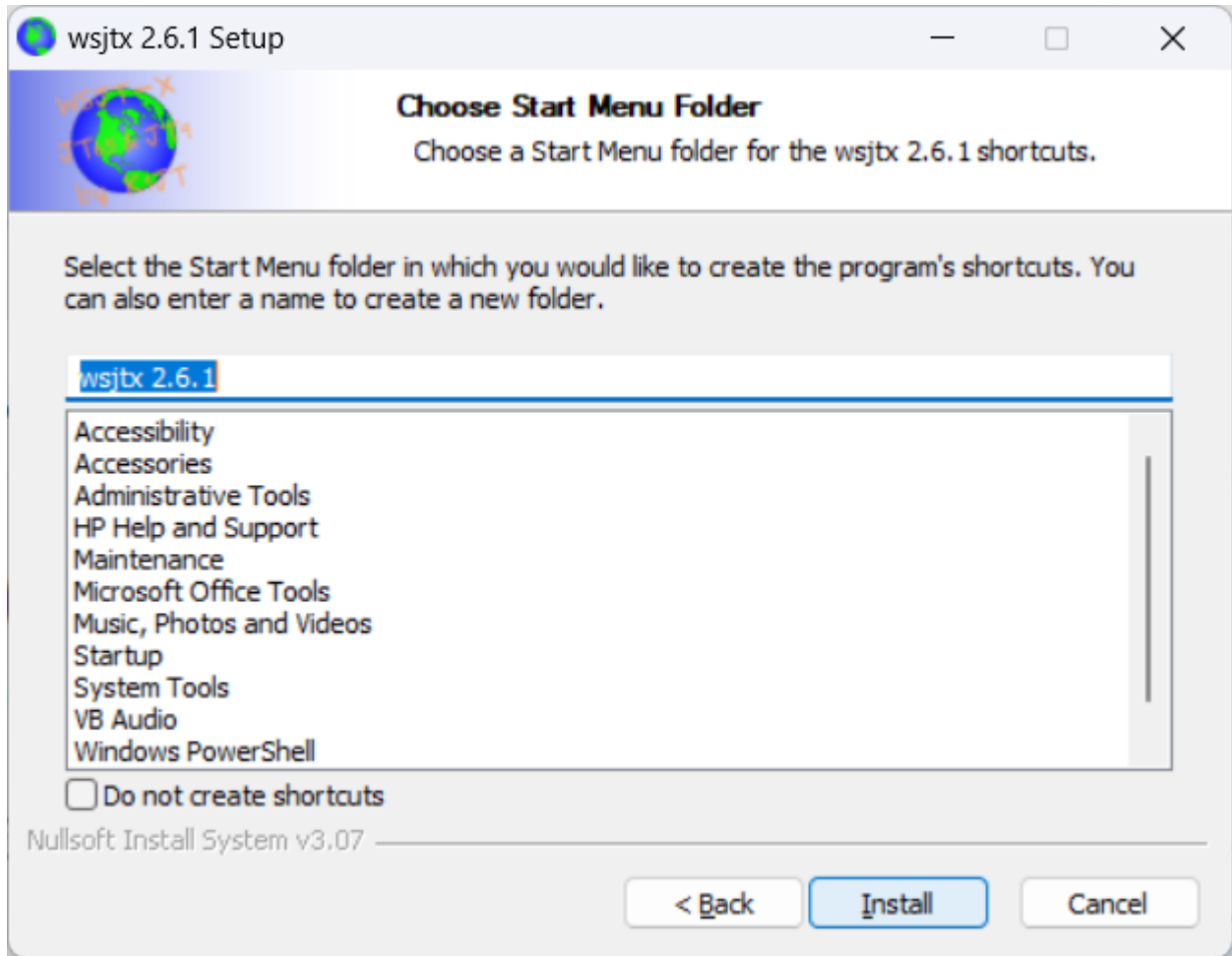


Click I Agree

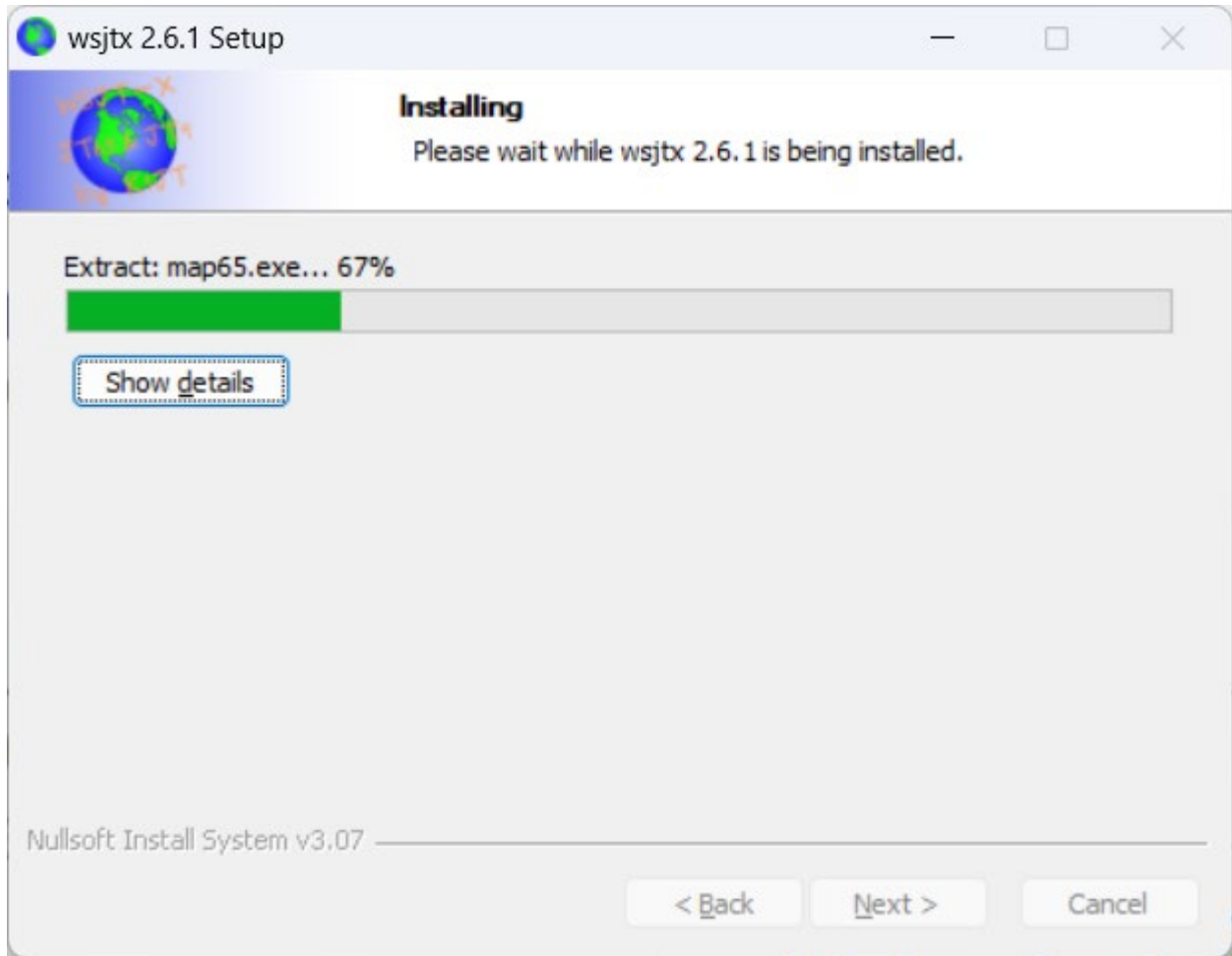


Click Next

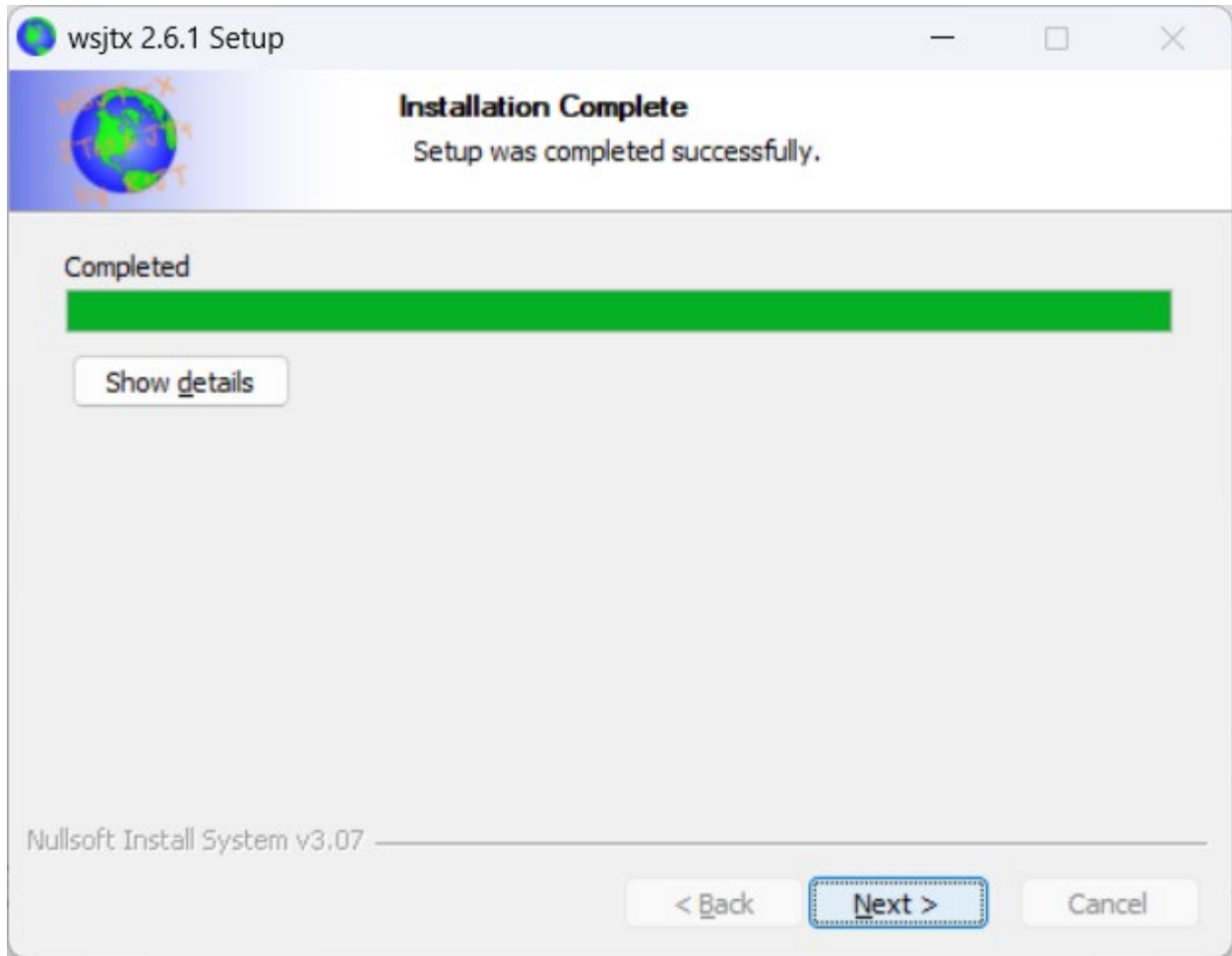




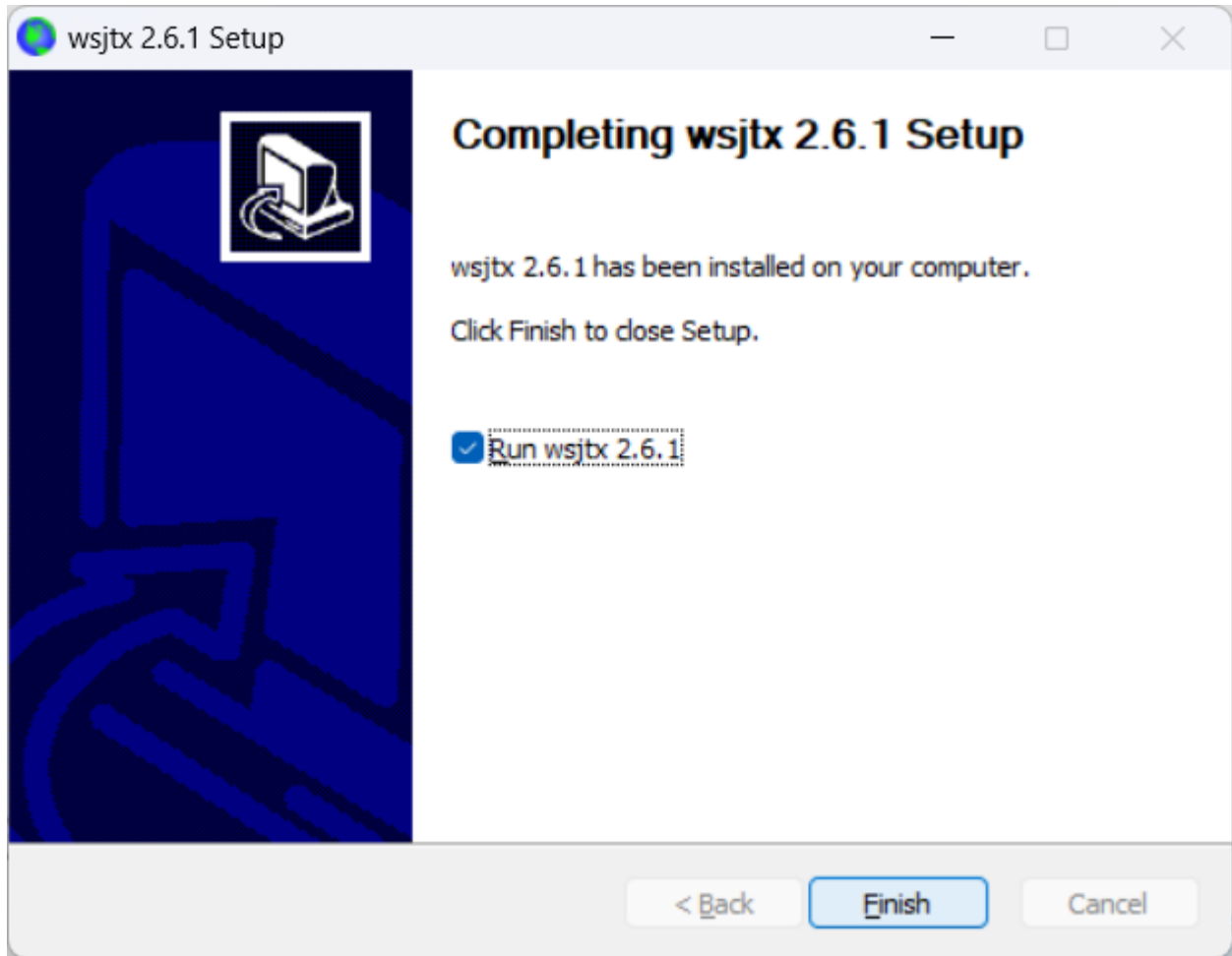
Click Install



The software is now installing.



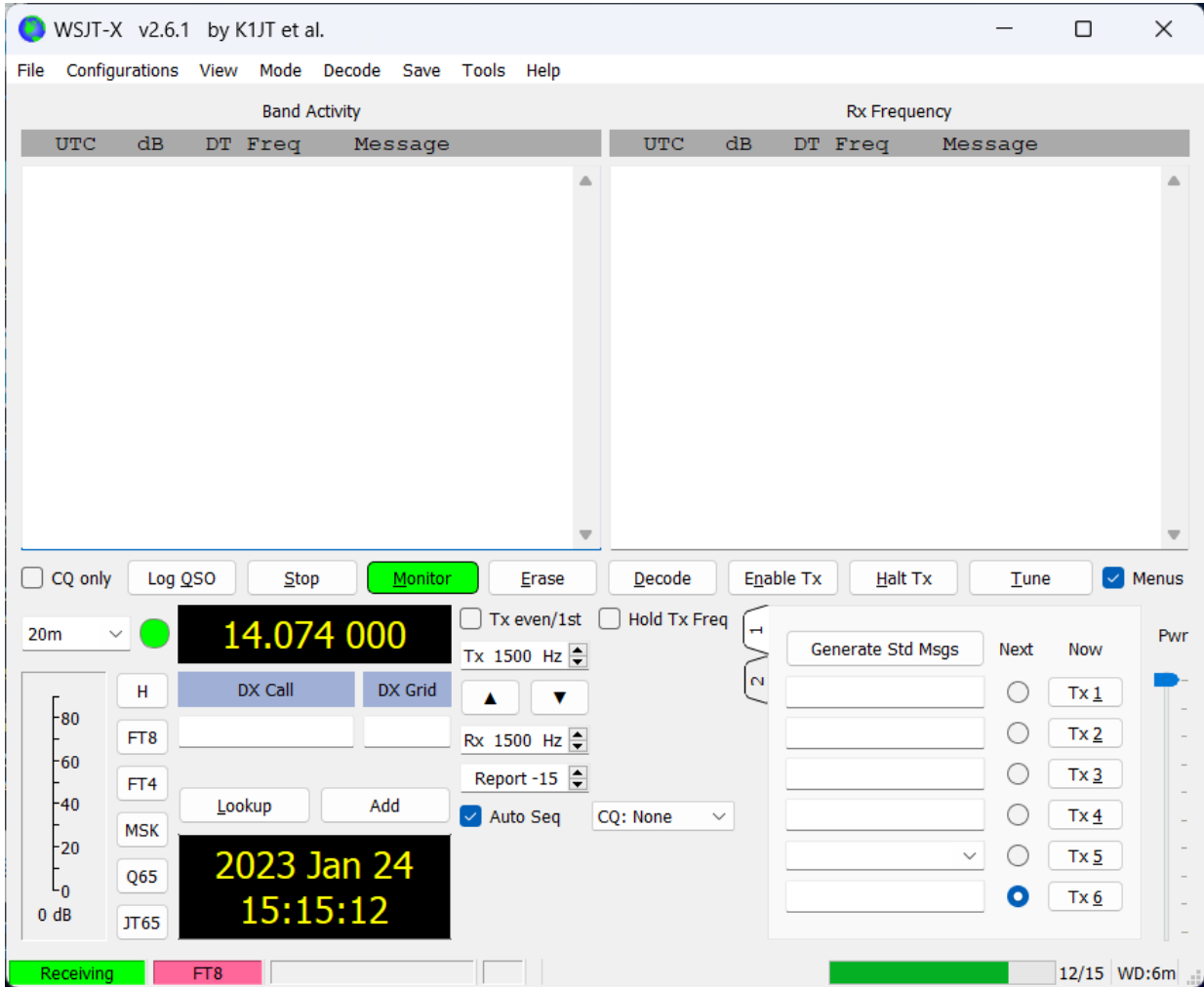
Click Next



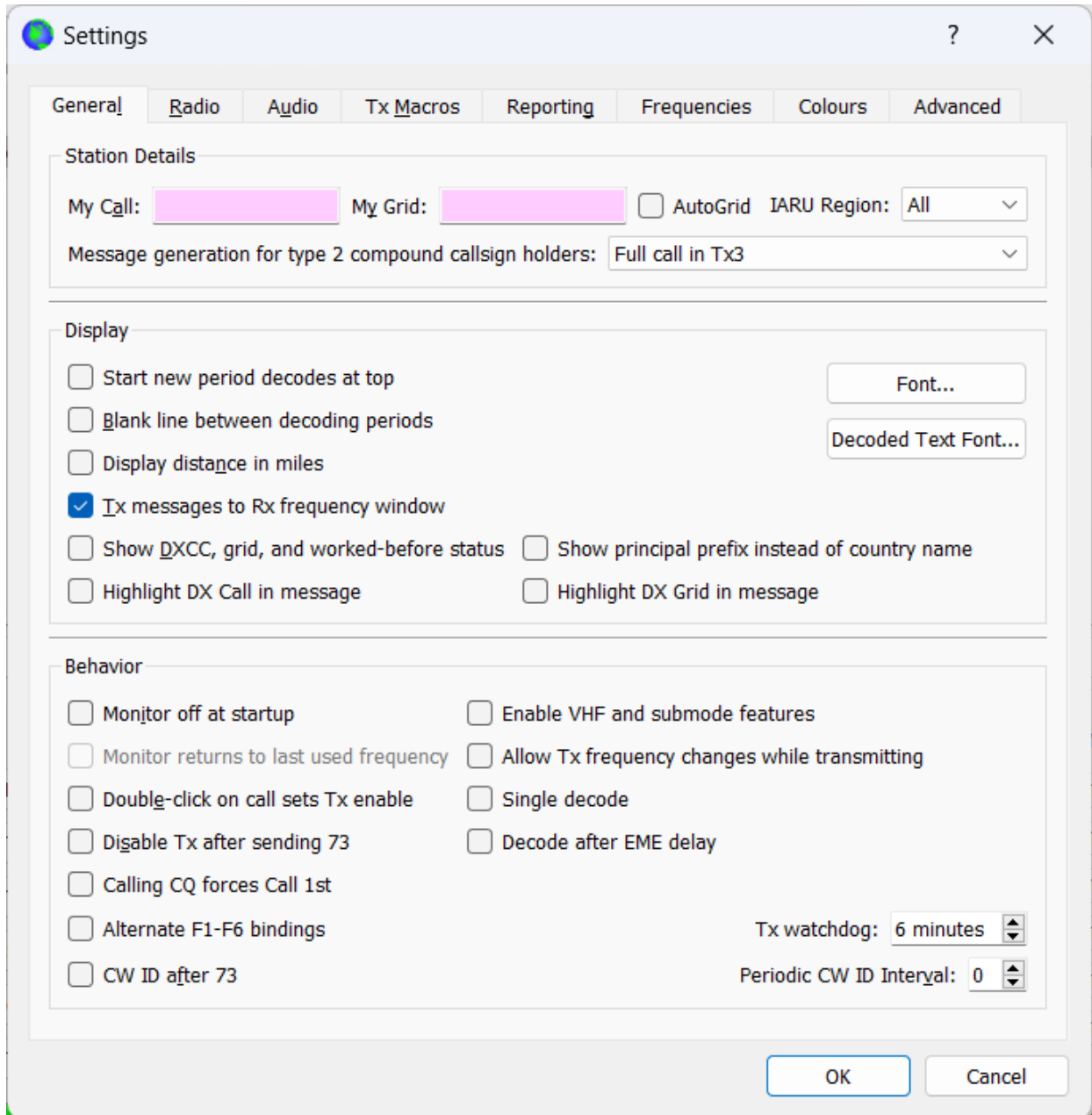
Click Finish

WSJT-X should now start

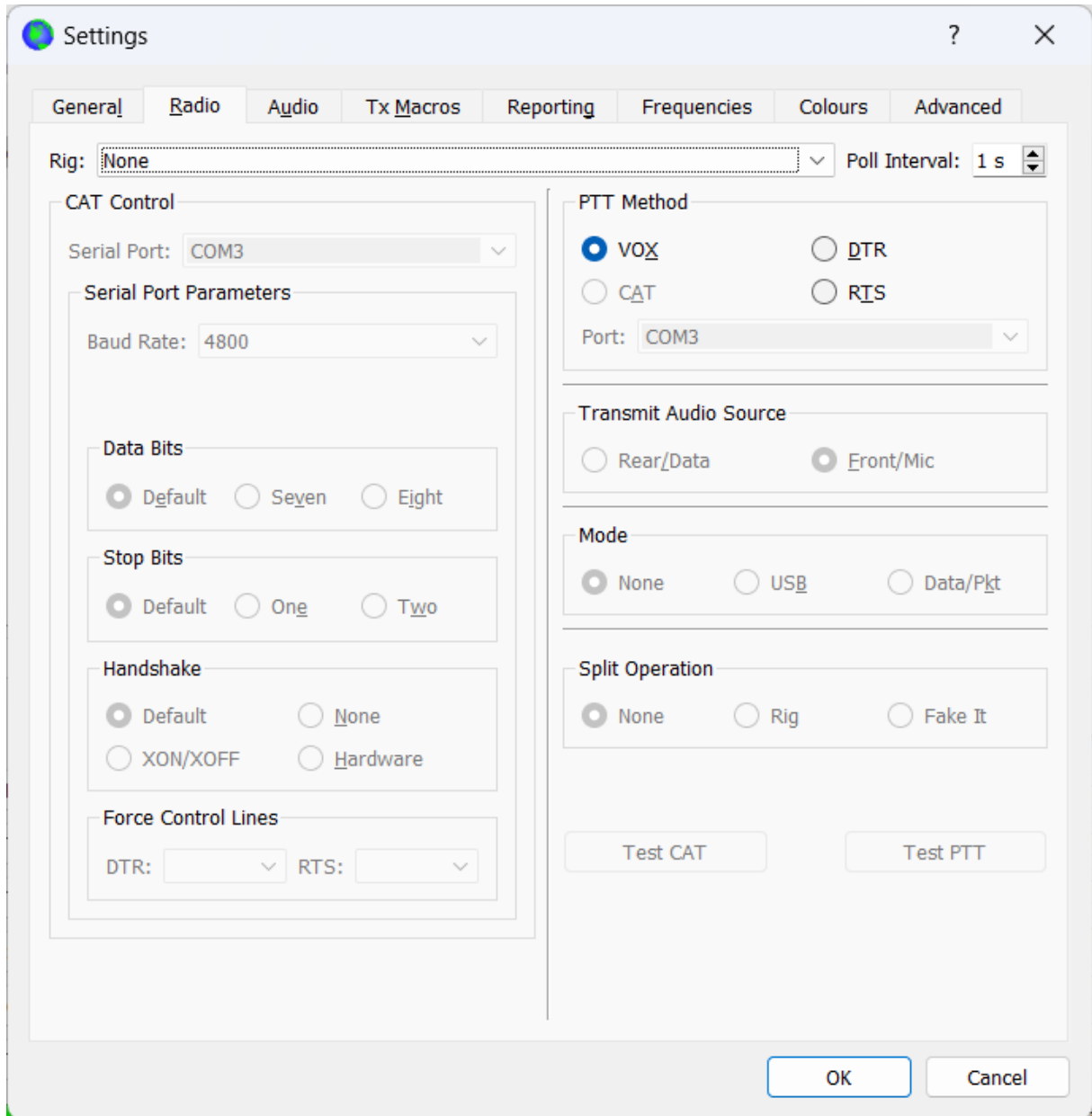
5) Configuring WSJT-X



Click File
Click Settings

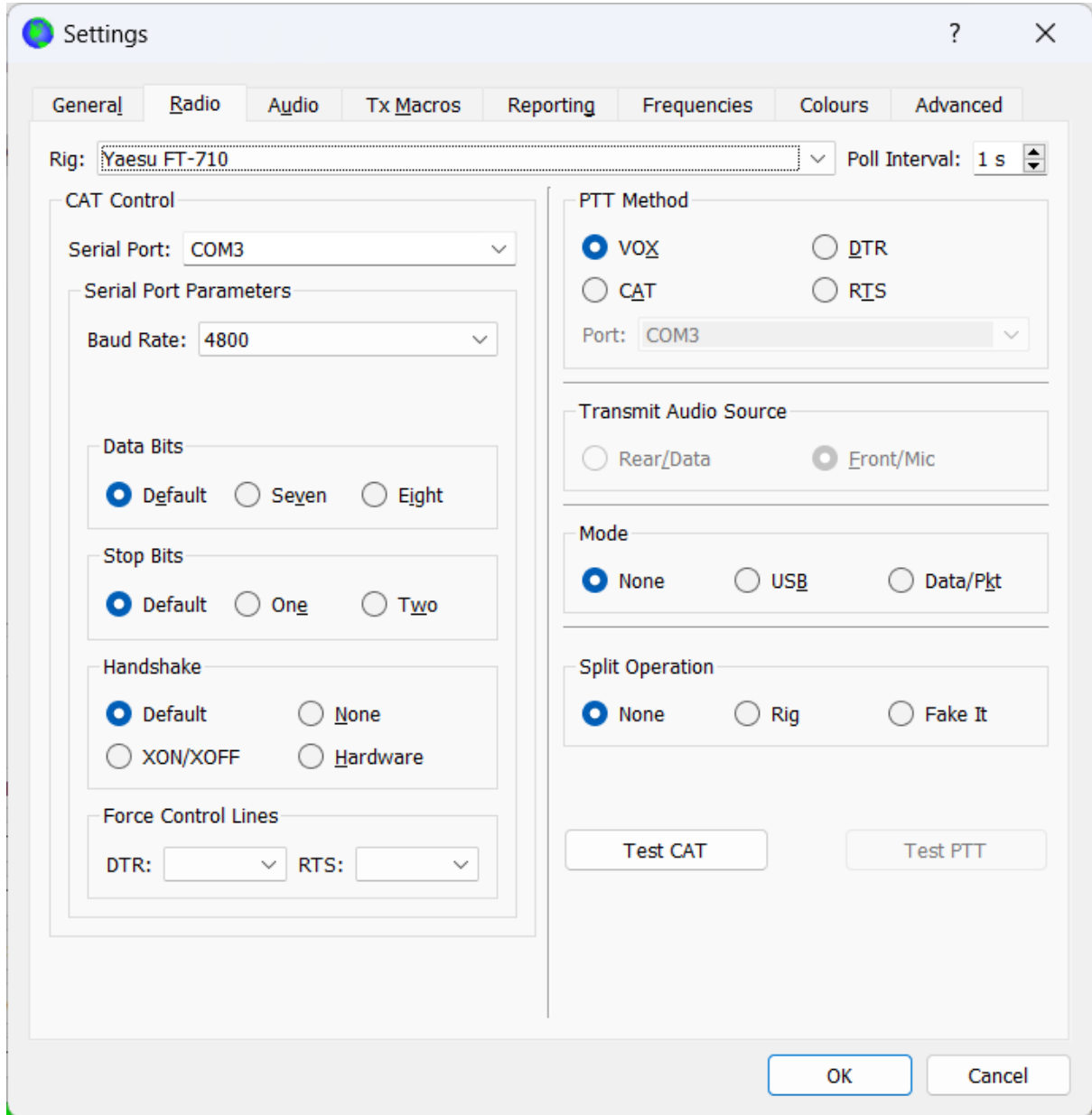


- Click on My Call and enter your call sign.
- Click on My Grid and enter you Maidenhead Locator
- Alter any other settings required
- Click on the Radio Tab

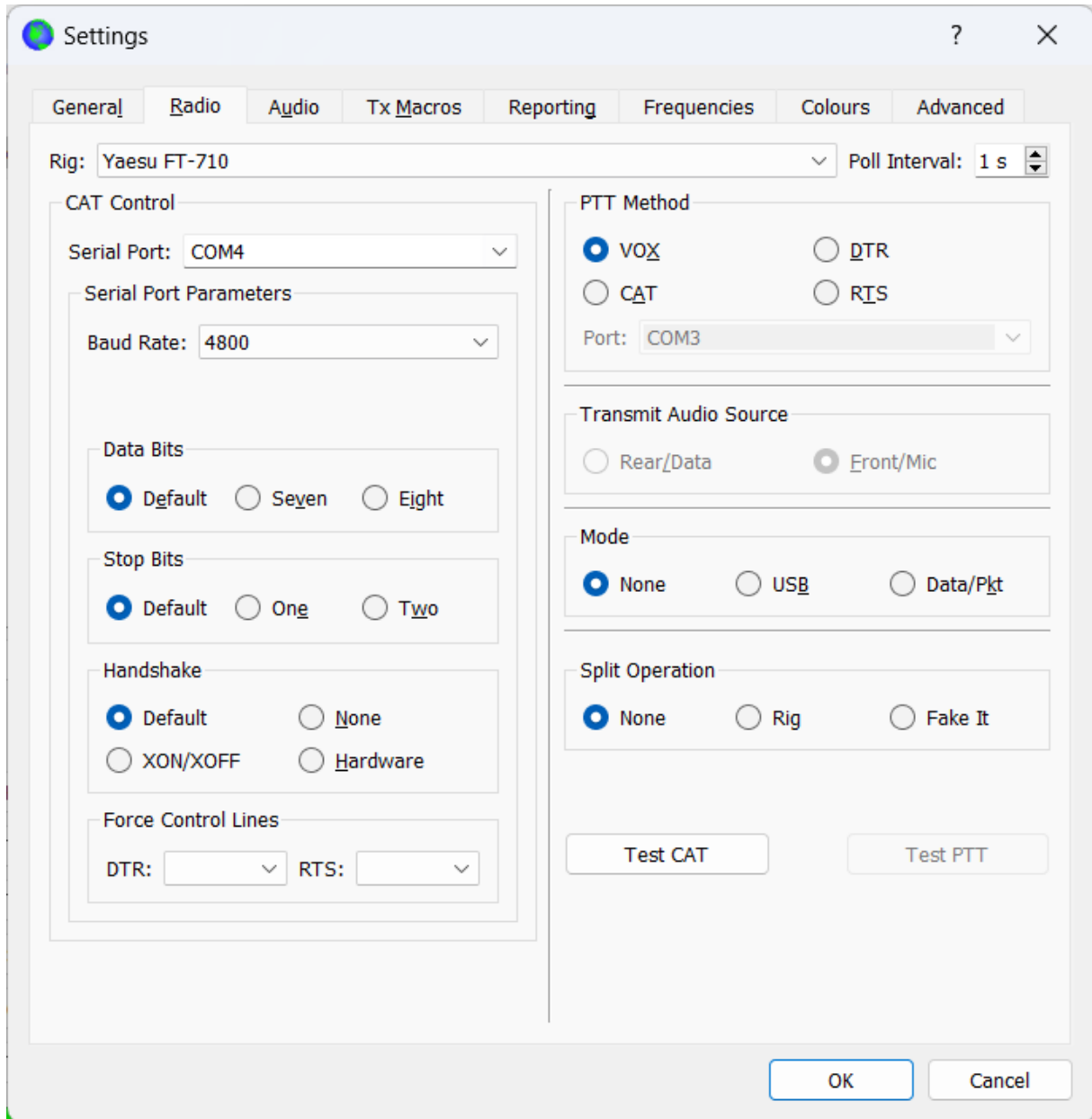


Click on the pulldown next to Rig:

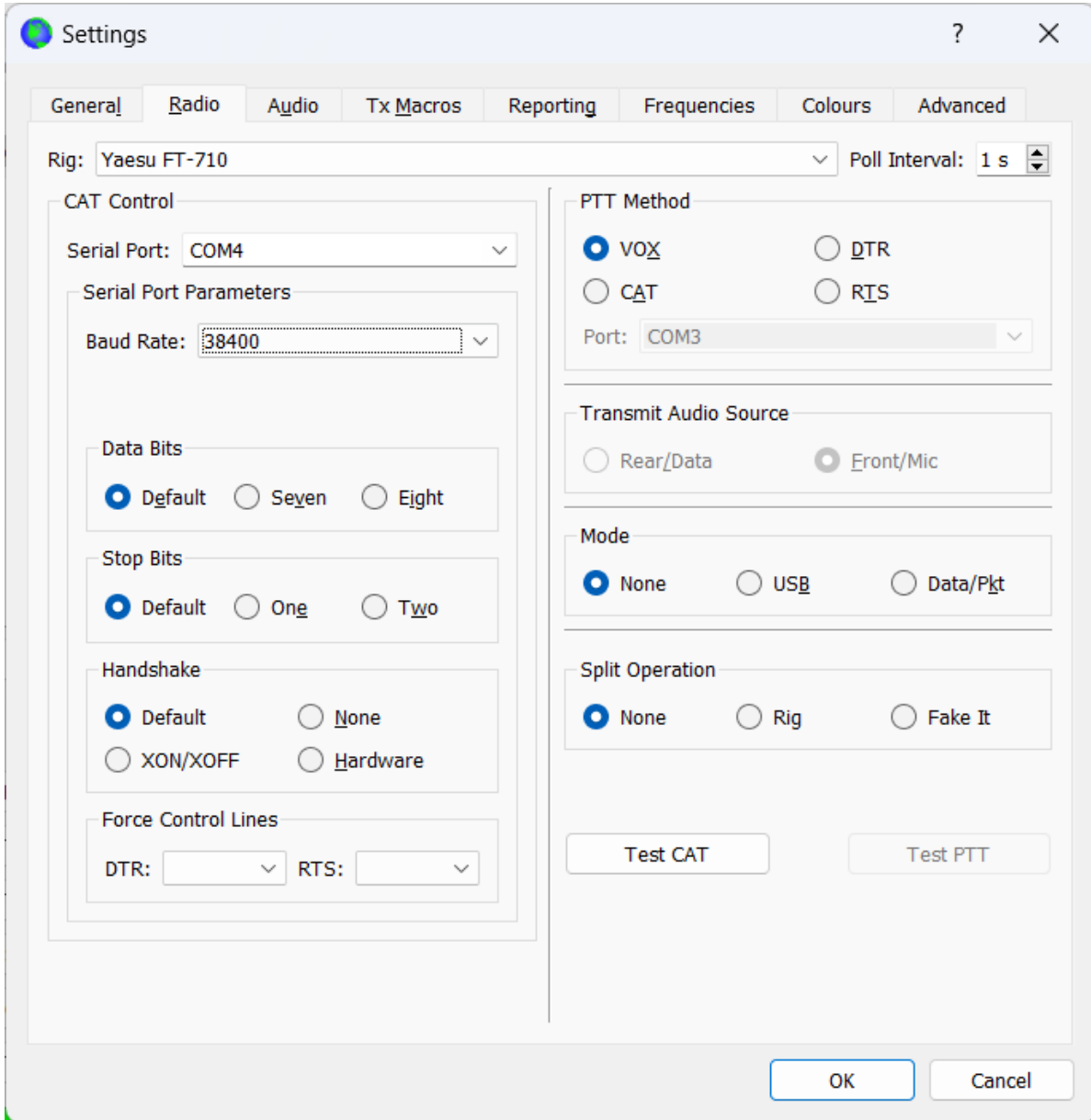
Select Yaesu FT-710



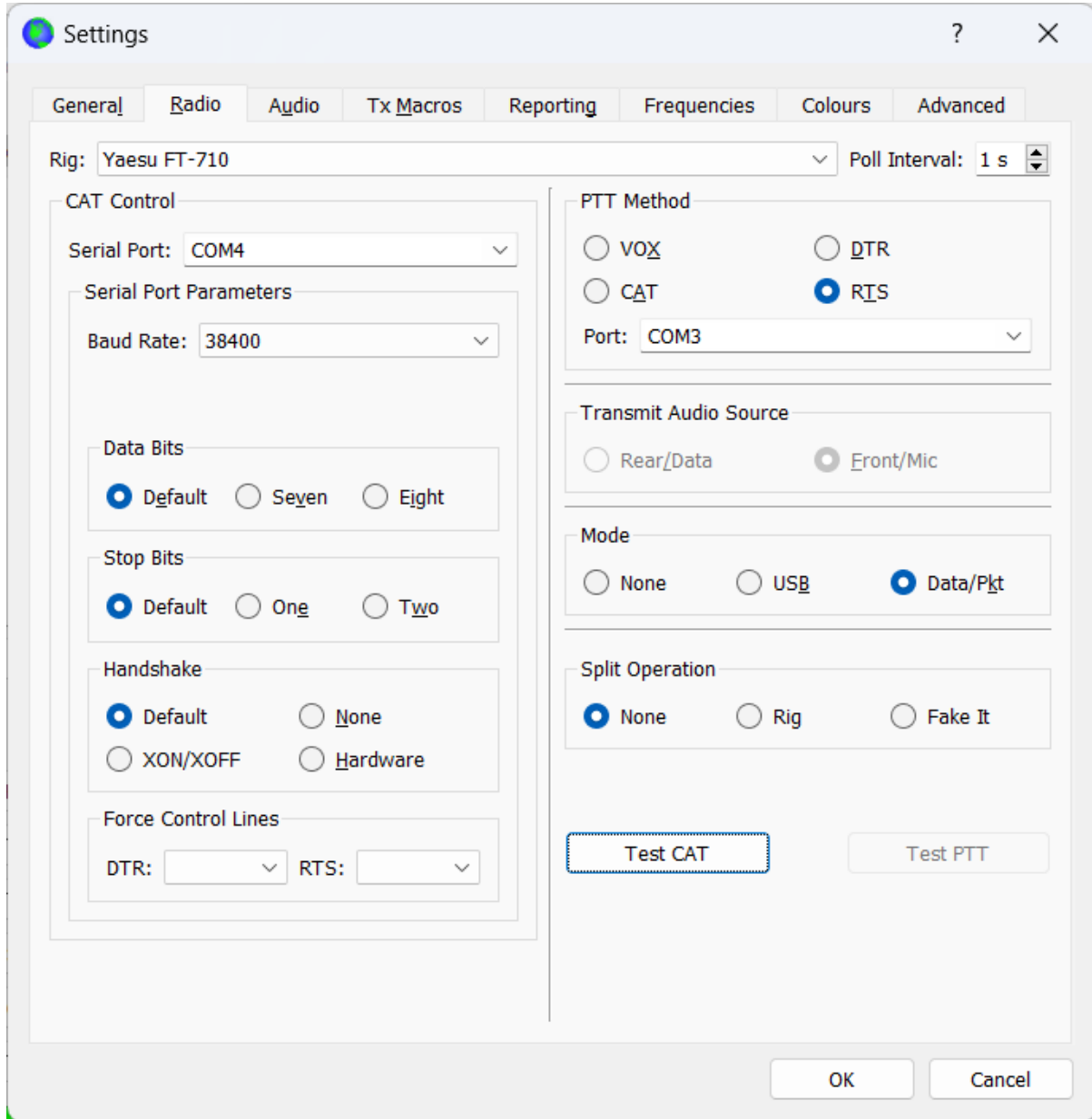
Click on Serial Port: and select the Silicon Labs Dual CP2105 USB to UART Bridge: Enhanced COM port (COM4)



Set the Baud Rate to match the FT-710 baud rate settings, the default setting is 38400



Next set the PTT settings

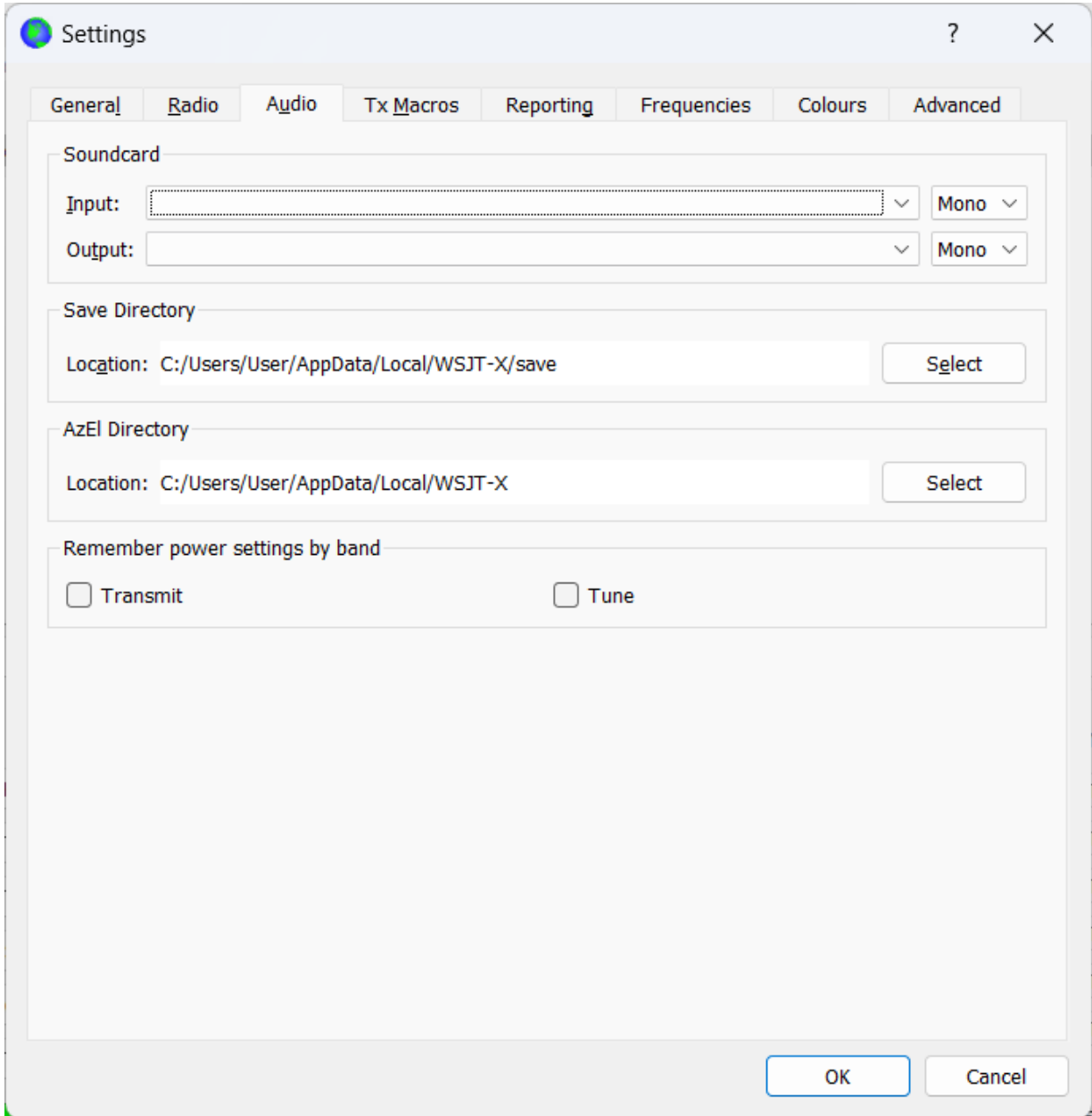


Set PTT Method to RTS

Make sure the Port is set to the Silicon Labs Dual CP2105 USB to UART Bridge: Standard COM port (COM3)

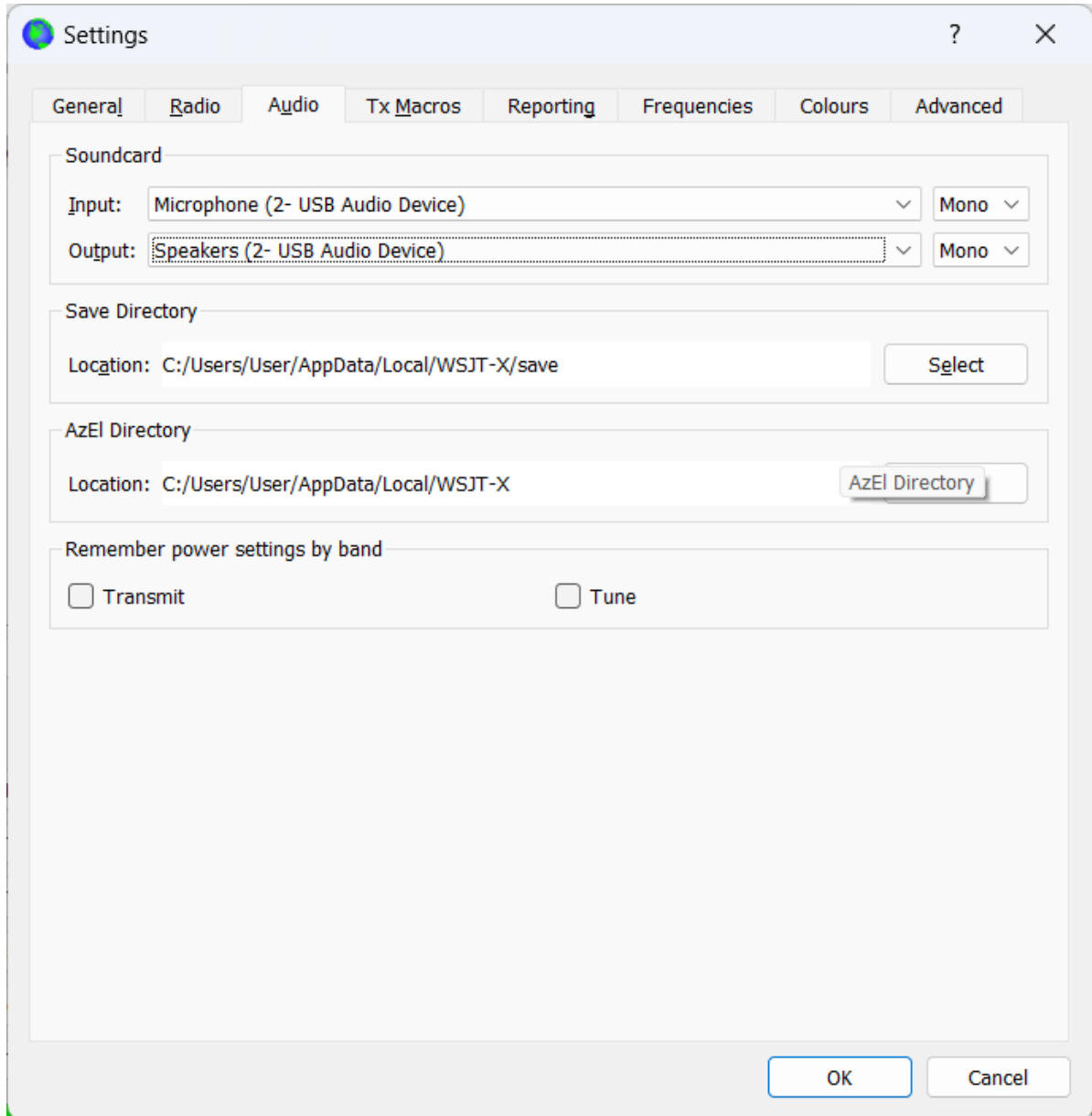
Set Mode to Data/Pkt

Next click on the Audio tab.



Click on the Input drop down menu and select Microphone (2-USB Audio Device)
Click on the Output drop down menu and select Speaker (2- USB Audio Device)

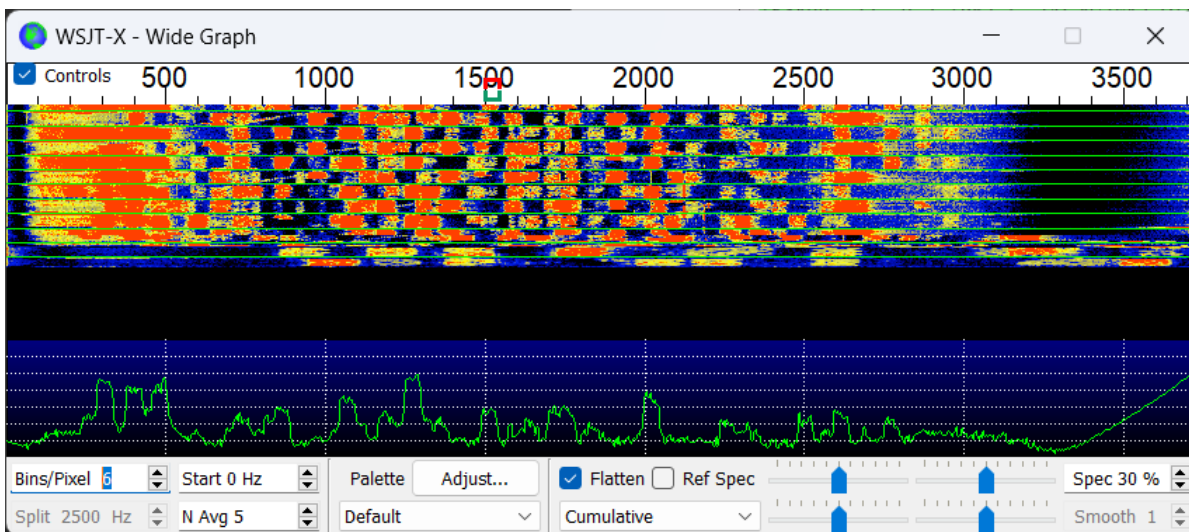
The exact device name may vary on your computer.



Click OK

You should find the screen populating with callsigns

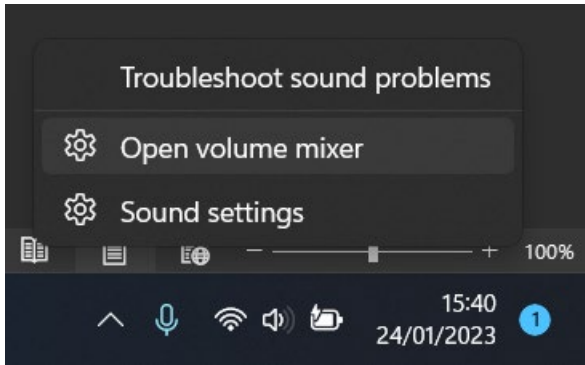
And the waterfall showing the audio spectrum



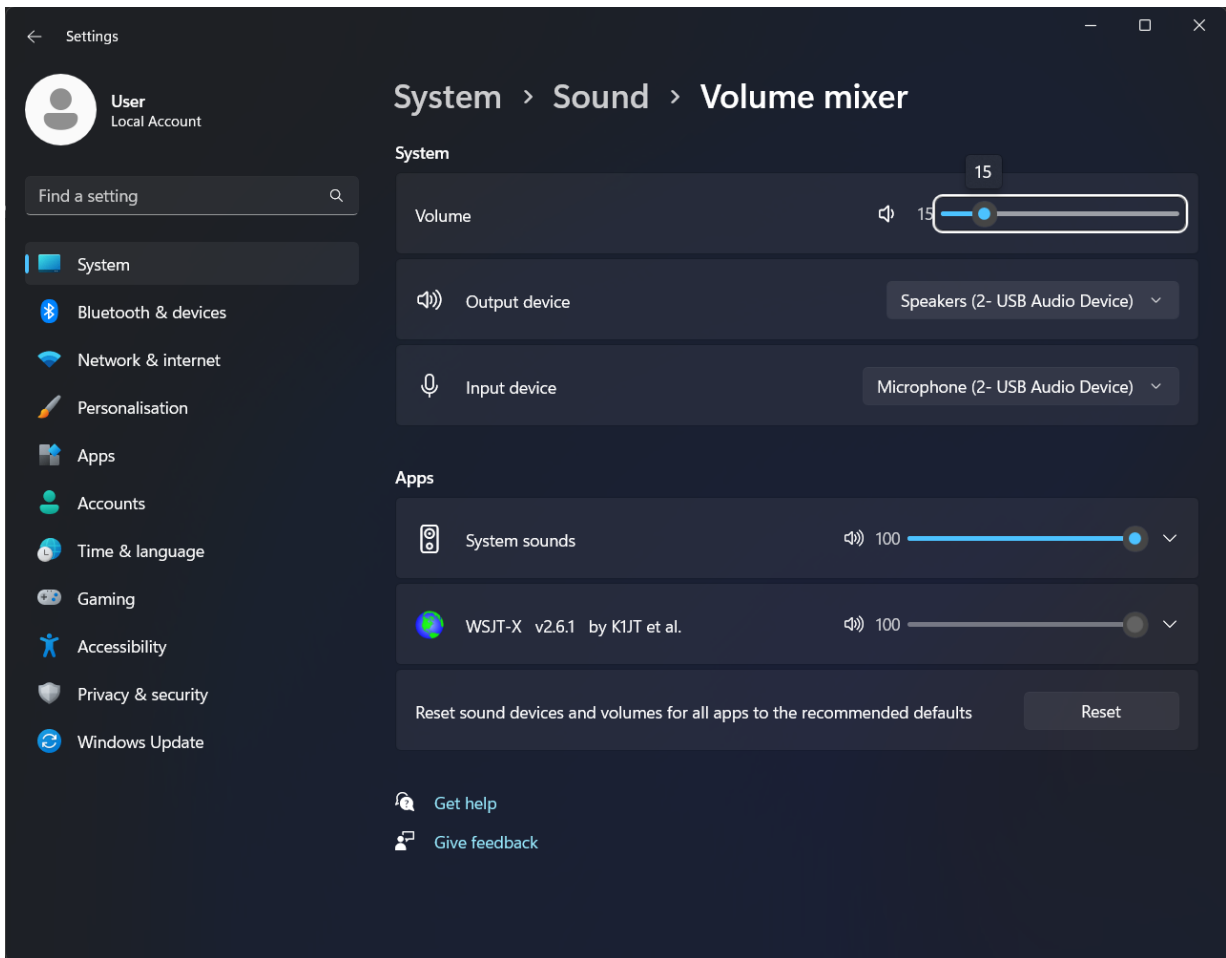
6) Adjust TX Levels

Before trying to transmit you will need to reduce the windows audio level for the USB AUDIO CODEC to make the power level easier to adjust

Right hand mouse click the Speaker icon near the clock

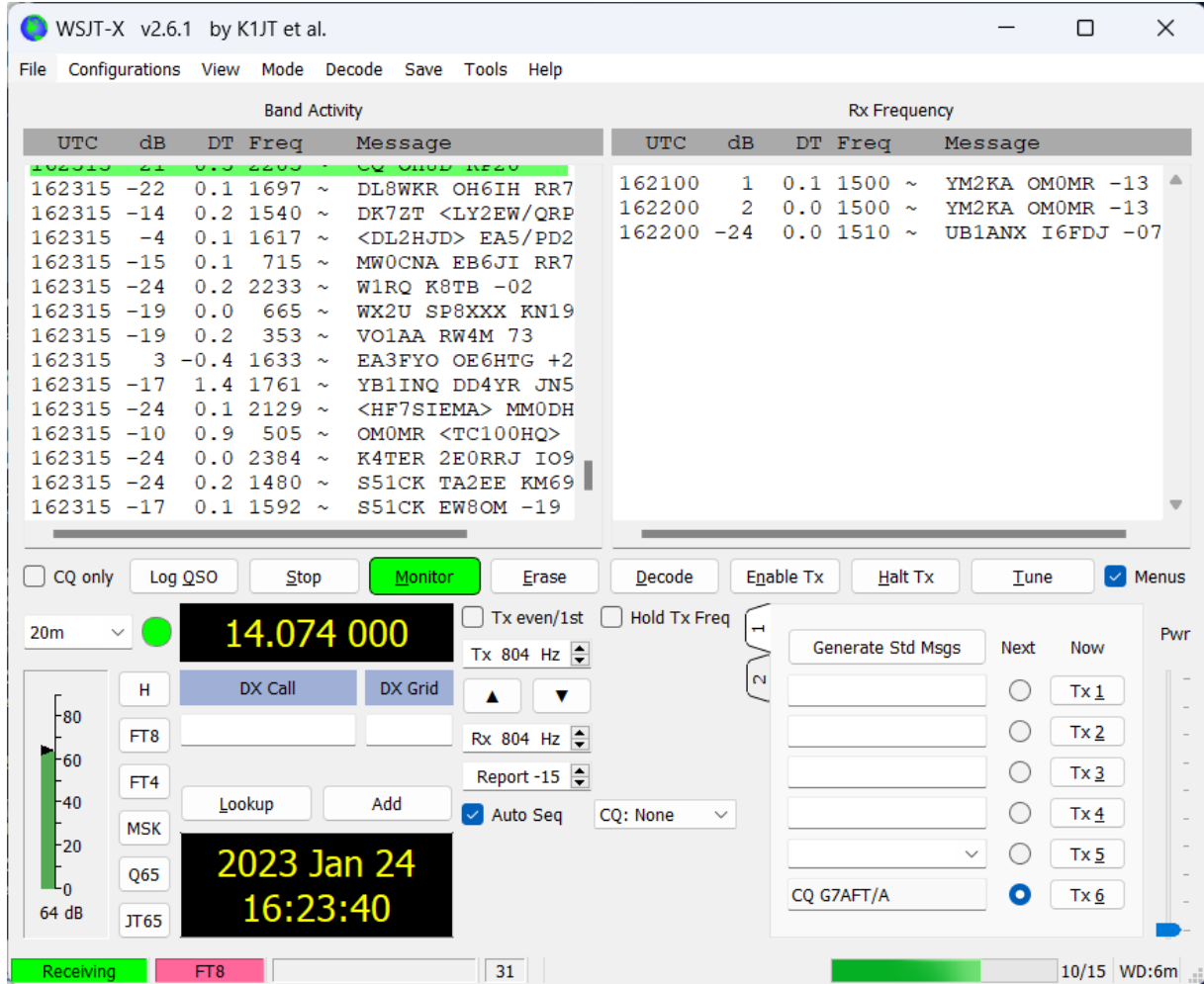


Click Open volume mixer



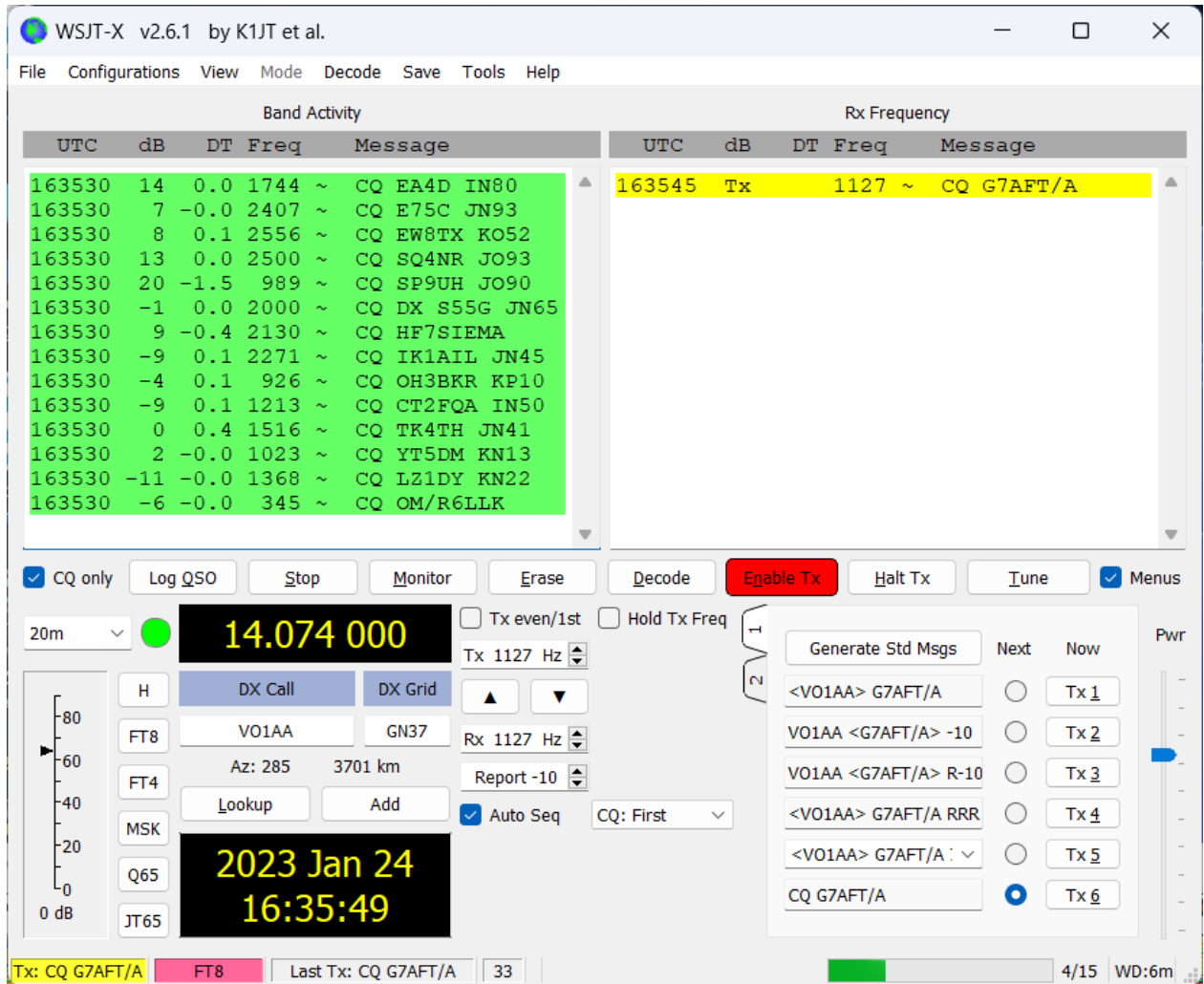
Adjust the Volume level to approx. 10 to 20

This allows WSJT-X better control of the output power of the radio.



Click on a clear frequency on the waterfall display.

Reduce the PWR control to zero. This is when the slider at the bottom.



Click on Enable TX

The radio should go into Transmit in the correct FT8 TX cycle.

TIP

It can be helpful to enable the TX Monitor

Press [FUNC]

Touch MONI LEVEL

Adjust the monitor level by rotating the FUNC knob.

Adjust the PWR control until you are producing the correct output power approx. 10 – 20 watts.

Click on Enable TX

The radio should go back into receive mode.

You should now be ready to make FT8 QSO's with your Yaesu FT-710 and WSJT-X.