SETTING UP WSJT-X SOFTWARE

Left click on "file", then left click on "Settings" (next slide)

WSJT-X   v2.5.4 by K1JT, G4WJS, K9AN, and IV3NWV

File   Configurations   View   Mode   Decode   Save   Tools   Help

Band Activity

UTC   dB   DT Freq   Message

Settings   ?   ✕

General   Radio   Audio   Tx Macros   Reporting   Frequencies   Colors   Advanced

Station Details

My Call: [W2SEF]   My Grid: [FM29LS]   ☑ AutoGrid   IARU Region: [All ▾]

Message generation for type 2 compound callsign holders: [Full call in Tx1   ▾]

Display

☐ Start new period decodes at top   [Font...]

☐ Blank line between decoding periods   [Decoded Text Font...]

☑ Display distance in miles

☑ Tx messages to Rx frequency window

☑ Show DXCC, grid, and worked-before status   ☐ Show principal prefix instead of country name

Behavior

☐ Monitor off at startup   ☐ Enable VHF and submode features

☑ Monitor returns to last used frequency   ☐ Allow Tx frequency changes while transmitting

☑ Double-click on call sets Tx enable   ☐ Single decode

☑ Disable Tx after sending 73   ☐ Decode after EME delay

☑ Calling CQ forces Call 1st

☐ Alternate F1-F6 bindings   Tx watchdog: [6 minutes ▾]

☐ CW ID after 73   Periodic CW ID Interval: [0 ▾]

[OK]   [Cancel]

Rx Frequency

UTC   dB   DT Freq   Message

☐ CQ only   [Log QSO]   [Stop]   [**Monitor**]   [Erase]   [Decode]   [Enable Tx]   [Halt Tx]   [Tune]   ☑ Menus

[10m ▾] (S)   **28.074 000**   ☑ Tx even/1st   ☐ Hold Tx Freq

Tx 2261 Hz

DX Call   DX Grid   ▲ ▼

Rx 2261 Hz

-80   Report -15

-60

-40 [Lookup]   [Add]   ☑ Auto Seq   ☐ Call 1st

-20

0

64 dB

2022 Dec 20
09:47:25

Generate Std Msgs   Next Now   Pwr

○   Tx 1

○   Tx 2

○   Tx 3

○   Tx 4

○   Tx 5

CQ W2SEF FM29   ◉   Tx 6

Receiving   FT8   0

Search

Links   AutoRepairs   27°F   4:47 AM

10/15   WD:6m

WSJT-X v2.5.4 by K1JT, G4WJS, K9AN, and IV3NWV

File Configurations View Mode Decode Save Tools Help

Band Activity

UTC dB DT Freq Message

Settings ? ✕

General **Radio** Audio Tx Macros Reporting Frequencies Colors Advanced

Rig: Yaesu FT-450 ▾ Poll Interval: 1 s ▾

CAT Control

Serial Port: COM4 ▾

Serial Port Parameters

Baud Rate: 9600 ▾

Data Bits
◉ Default ○ Seven ○ Eight

Stop Bits
◉ Default ○ One ○ Two

Handshake
◉ Default ○ None
○ XON/XOFF ○ Hardware

Force Control Lines
DTR: ▾ RTS: ▾

PTT Method
◉ VOX ○ DTR
○ CAT ○ RTS
Port: COM4 ▾

Transmit Audio Source
○ Rear/Data ◉ Front/Mic

Mode
○ None ◉ USB ○ Data/Pkt

Split Operation
○ None ○ Rig ◉ Fake It

Test CAT Test PTT

OK Cancel

Rx Frequency

UTC dB DT Freq Message

☐ CQ only Log QSO Stop **Monitor** Erase Decode Enable Tx Halt Tx Tune ☑ Menus

10m S **28.074 000**

☑ Tx even/1st ☐ Hold Tx Freq
Tx 2261 Hz ▾
▲ ▼
Rx 2261 Hz ▾
Report -15 ▾
☑ Auto Seq ☐ Call 1st

DX Call DX Grid

Lookup Add

2022 Dec 20
09:48:05

64 dB

Generate Std Msgs Next Now Pwr

○ Tx 1
○ Tx 2
○ Tx 3
○ Tx 4
○ Tx 5
CQ W2SEF FM29 ◉ Tx 6

Receiving FT8 0 5/15 WD:6m

Search Links AutoRepairs 27°F 4:48 AM

WSJT-X   v2.5.4   by K1JT, G4WJS, K9AN, and IV3NWV

File   Configurations   View   Mode   Decode   Save   Tools   Help

Band Activity   Rx Frequency

UTC   dB   DT Freq   Message   UTC   dB   DT Freq   Message

Settings   ?   ✕

General   Radio   **Audio**   Tx Macros   Reporting   Frequencies   Colors   Advanced

Soundcard

Input: Line (USB AUDIO CODEC)   ▽   Mono ▽

Output: Speakers (USB AUDIO CODEC)   ▽   Mono ▽

Save Directory

Location: C:/Users/Steve/AppData/Local/WSJT-X/save   Select

AzEl Directory

Location: C:/Users/Steve/AppData/Local/WSJT-X   Select

Remember power settings by band

☐ Transmit   ☐ Tune

                                                              OK   Cancel

☐ CQ only   Log QSO   Stop   **Monitor**   Erase   Decode   Enable Tx   Halt Tx   Tune   ☑ Menus

10m ▽   ⬤S   28.074 000   ☑ Tx even/1st ☐ Hold Tx Freq   Generate Std Msgs   Next   Now   Pwr
                                  Tx 2261 Hz ▲▼
        DX Call   DX Grid   ▲ ▼   ◯   Tx 1
                                  Rx 2261 Hz ▲▼   ◯   Tx 2
        Lookup   Add   Report -15 ▲▼   ◯   Tx 3
                                  ☑ Auto Seq   ☐ Call 1st   ◯   Tx 4
             2022 Dec 20   ◯   Tx 5
             09:48:58   CQ W2SEF FM29   ⦿   Tx 6
64 dB

Receiving   FT8   0   13/15   WD:6m

🔍 Search   Links AutoRepairs   27°F   4:48 AM

WSJT-X   v2.5.4   by K1JT, G4WJS, K9AN, and IV3NWV

File   Configurations   View   Mode   Decode   Save   Tools   Help

Band Activity

UTC   dB   DT Freq   Message

Rx Frequency

UTC   dB   DT Freq   Message

Settings

?   ✕

General   Radio   Audio   **Tx Macros**   Reporting   Frequencies   Colors   Advanced

Add   Delete

TNX 73 GL
DX
U.S.A.

Drag and drop items to rearrange order
Right click for item specific actions
Click, SHIFT+Click and, CRTL+Click to select items

OK   Cancel

☐ CQ only   Log QSO   Stop   **Monitor**   Erase   Decode   Enable Tx   Halt Tx   Tune   ☑ Menus

10m   S   **28.074 000**

☑ Tx even/1st   ☐ Hold Tx Freq
Tx 2261 Hz ⬍
▲   ▼
Rx 2261 Hz ⬍
Report -15 ⬍
☑ Auto Seq   ☐ Call 1st

DX Call   DX Grid

Lookup   Add

2022 Dec 20
09:49:33

64 dB

Generate Std Msgs

Next   Now   Pwr

○   Tx 1
○   Tx 2
○   Tx 3
○   Tx 4
○   Tx 5
CQ W2SEF FM29   ◉   Tx 6

Receiving   FT8   0

3/15   WD:6m

Search   Links   AutoRepairs   27°F   4:49 AM

WSJT-X   v2.5.4 by K1JT, G4WJS, K9AN, and IV3NWV

File   Configurations   View   Mode   Decode   Save   Tools   Help

Band Activity

UTC   dB   DT Freq   Message

Rx Frequency

UTC   dB   DT Freq   Message

Settings   ?   ✕

General   Radio   Audio   Tx Macros   **Reporting**   Frequencies   Colors   Advanced

Logging

☑ Prompt me to log QSO   Op Call: [   ]
☐ Log automatically (contesting only)
☐ Convert mode to RTTY
☑ dB reports to comments
☑ Clear DX call and grid after logging

Network Services

☑ Enable PSK Reporter Spotting   ☑ Use TCP/IP connection

UDP Server

UDP Server: [127.0.0.1]   ☑ Accept UDP requests
UDP Server port number: [2237]   ☐ Notify on accepted UDP request
                                                ☐ Accepted UDP request restores window

Secondary UDP Server (deprecated)

☑ Enable logged contact ADIF broadcast
Server name or IP address: [127.0.0.1]
Server port number: [2333]

OK   Cancel

☐ CQ only   Log QSO   Stop   **Monitor**   Erase   Decode   Enable Tx   Halt Tx   Tune   ☑ Menus

10m   S   **28.074 000**   ☑ Tx even/1st   ☐ Hold Tx Freq

Tx 2261 Hz

Generate Std Msgs   Next   Now   Pwr

DX Call   DX Grid

▲ ▼

Rx 2261 Hz

Report -15

Lookup   Add   ☑ Auto Seq   ☐ Call 1st

2022 Dec 20
09:50:11

64 dB

Tx 1
Tx 2
Tx 3
Tx 4
Tx 5
CQ W2SEF FM29   Tx 6

Receiving   FT8   0   11/15   WD:6m

Search ... Links AutoRepairs 27°F 4:50 AM

WSJT-X   v2.5.4   by K1JT, G4WJS, K9AN, and IV3NWV

File   Configurations   View   Mode   Decode   Save   Tools   Help

Band Activity

UTC   dB   DT Freq   Message

Rx Frequency

UTC   dB   DT Freq   Message

Settings

? ✕

General | Radio | Audio | Tx Macros | Reporting | **Frequencies** | Colors | Advanced

Frequency Calibration

Slope: 0.0000 ppm   Intercept: 0.00 Hz

Working Frequencies

IARU Region	Mode	Frequency
All	WSPR	0.136 000 MHz (2190m)
All	FST4	0.136 000 MHz (2190m)
All	FST4W	0.136 000 MHz (2190m)
All	JT9	0.136 000 MHz (2190m)
Region 1	FreqCal	0.198 000 MHz (DOB)
All	JT9	0.474 200 MHz (630m)
All	FST4	0.474 200 MHz (630m)
All	WSPR	0.474 200 MHz (630m)
All	FST4W	0.474 200 MHz (630m)
Region 2	FreqCal	0.660 000 MHz (DOB)

Station Information

Band	Offset	Antenna Description

OK   Cancel

CQ only   Log QSO   Stop   **Monitor**   Erase   Decode   Enable Tx   Halt Tx   Tune   ☑ Menus

10m   S

28.074 000

☑ Tx even/1st   ☐ Hold Tx Freq

Tx 2261 Hz

DX Call   DX Grid

Rx 2261 Hz

Report -15

Lookup   Add   ☑ Auto Seq   ☐ Call 1st

2022 Dec 20
09:50:56

Generate Std Msgs

Next Now Pwr

Tx 1
Tx 2
Tx 3
Tx 4
Tx 5
CQ W2SEF FM29   Tx 6

-80
-60
-40
-20
0
64 dB

Receiving   FT8   0

11/15   WD:6m

Search   Links   AutoRepairs   27°F   4:50 AM

WSJT-X   v2.5.4 by K1JT, G4WJS, K9AN, and IV3NWV

File   Configurations   View   Mode   Decode   Save   Tools   Help

Band Activity

UTC	dB	DT Freq	Message

Rx Frequency

UTC	dB	DT Freq	Message

Settings

?   ×

General | Radio | Audio | Tx Macros | Reporting | Frequencies | **Colors** | Advanced

Decode Highlighting

☑ My Call in message [f/g unset]
☑ New Continent [f/g unset]
☑ New Continent on Band [f/g unset]
☑ New CQ Zone [f/g unset]
☑ New CQ Zone on Band [f/g unset]
☑ New ITU Zone [f/g unset]
☑ New ITU Zone on Band [f/g unset]
☑ New DXCC
☑ New DXCC on Band [f/g unset]
☑ New Grid [f/g unset]
☑ New Grid on Band
☑ New Call [f/g unset]
☑ New Call on Band [f/g unset]
☑ LoTW User [b/g unset]
☑ CQ in message
☑ Transmitted message [f/g unset]

Reset Highlighting

☑ Highlight by Mode   Rescan ADIF Log

☐ Only grid Fields sought

☑ Include extra WAE entities

Logbook of the World User Validation

Users CSV file URL: `https://lotw.arrl.org/lotw-user-activity.csv`   Fetch Now

Age of last upload less than: 365 days

OK   Cancel

☐ CQ only | Log QSO | Stop | **Monitor** | Erase | Decode | Enable Tx | Halt Tx | Tune | ☑ Menus

10m   S   **28.074 000**

☑ Tx even/1st   ☐ Hold Tx Freq

Tx 2261 Hz ▲▼

DX Call   DX Grid

▲ ▼   Rx 2261 Hz

-80
-60   Report -15
-40
-20   Lookup   Add   ☑ Auto Seq   ☐ Call 1st
-0
64 dB

2022 Dec 20
09:51:27

Generate Std Msgs   Next   Now   Pwr

○ Tx 1
○ Tx 2
○ Tx 3
○ Tx 4
○ Tx 5

CQ W2SEF FM29   ◉ Tx 6

Receiving   FT8   0   12/15   WD:6m

🔍 Search   ... Links AutoRepairs   27°F   4:51 AM

WSJT-X   v2.5.4   by K1JT, G4WJS, K9AN, and IV3NWV

File   Configurations   View   Mode   Decode   Save   Tools   Help

Band Activity

UTC   dB   DT Freq   Message

Rx Frequency

UTC   dB   DT Freq   Message

Settings   ?   ✕

General | Radio | Audio | Tx Macros | Reporting | Frequencies | Colors | **Advanced**

JT65 VHF/UHF/Microwave decoding parameters

Random erasure patterns: `6`

Aggressive decoding level: `0`

☑ Two-pass decoding

Miscellaneous

Degrade S/N of .wav file: `0.0 dB`

Receiver bandwidth: `2500 Hz`

Tx delay: `0.2 s`

Tone spacing

☐ x 2   ☐ x 4

Waterfall spectra

◉ Low sidelobes   ○ Most sensitive

☐ Special operating activity: Generation of FT4, FT8, and MSK144 messages

○ Fox   ○ Hound
○ NA VHF Contest   ○ ARRL Field Day   FD Exch: `1D SNJ`
○ EU VHF Contest   ○ RTTY Roundup messages RTTY RU Exch:
◉ WW Digi Contest

OK   Cancel

CQ only | Log QSO | Stop | **Monitor** | Erase | Decode | Enable Tx | Halt Tx | Tune | ☑ Menus

10m

28.074 000

☑ Tx even/1st   ☐ Hold Tx Freq

Tx 2261 Hz

DX Call   DX Grid

▲ ▼

Rx 2261 Hz

Report -15

Lookup   Add

☑ Auto Seq   ☐ Call 1st

2022 Dec 20
09:52:21

63 dB

Generate Std Msgs   Next   Now   Pwr

CQ W2SEF FM29

Tx 1
Tx 2
Tx 3
Tx 4
Tx 5
Tx 6

Receiving   FT8   0

6/15   WD:6m

Search   Links   AutoRepairs   27°F   4:52 AM