The additional features of wsjt-x_improved

Wsjt-x_improved is an extended version of WSJT-X. I want to stay as close as possible to the original WSJT-X with my 'improved' variants. Therefore you will find all basic WSJT-X functions unchanged. Both programs are compatible with each other, which makes the switch very easy. The program settings are automatically applied, and also the change back to the original WSJT-X works. The following screen shot gives you a first overview of the additional features:



Note: After the great success of the mode buttons, we have now also implemented them in the original WSJT-X (as of v2.6.0 GA).

Three different GUIs

Wsjt-x_improved is always available with three different GUIs: One has WSJT-X's standard GUI (= this is the default download), then there is a more compact GUI (= alternative layout, "AL"), and another one is optimized for widescreens. The latter two provide a larger Band Activity window, so that you don't need to scroll that often. Just try them and see which you like best.

For technical reasons, each version has its own installer.

Screen shot of the version with the alternative layout (AL):

🔘 WSJT-X - FT991	1 - Wide Graph	1				_	
500)	1000 1	500 20	000	2500	3000	350
09:32:15 40	. 🤶 .			- 💰 🦉 -	1 - E - E - E - E - E - E - E - E - E -		
	2				2 2 2		
09:32:00 40m							
					O 14		
💿 WSJT-X - FT99	1 v2.6.1 by K	1JT et al.				—	U X
File Configuration	ns View Mo	de Decode Save To	ols Help				
		Band Activity			Rx Fre	quency	
UTC dB	DT Freq	Message		UTC dB	DT Freq	Message	
093145 -12	0.8 1630 ~	CO_S0844_KN19	Poland ^				~
		40m					
093200 0	0.1 2638 ~	CQ DX SQ4NR J093	Poland				
093200 12	0.0 1070 ~	CQ PD1HPB J022	Netherlands				
093200 19	0.3 1973 ~	CQ PAOWCH J021	Netherlands				
093200 -3	0.1 2081 ~	G6LUW TF5B RR73	Iceland				
093200 14	0.2 1404 ~	<> DF100TA RR73	Germany		AL ver	sion	
093200 -7	0.1 1199 ~	IU5KWL IZ5RKH R-01	Belgium				
093200 -7	0.3 720 ~	DF6XN MW0USK +05	bergrum				
093200 -7	0.3 2532 ~	WIOR LA9KY -12					
093200 -14	0.1 865 ~	IZIYTH I4BUO +00					
093200 -11	0.2 482 ~	DK1LL SM7DAY J065					
093200 -16	0.3 403 ~	DK1LL ON4KTJ J010					
093200 -6	$0.1 1083 \sim$ $0.1 1334 \sim$	CO HE7SIEMA	Poland				~
093200 -25	0.2 1236 ~	CQ W5X0 EM10	U.S.A. TX	H FT8	FT4 WSPR	Tx even/1st	Hold Tx Freq
093215 8	0 1 2081 ~	TESB DK3BA -16		MSK 065	IT65 EST4		
093215 5	0.4 1053 ~	CQ F5ADE JN06	France			Tx 3154 Hz 🜩	
093215 7 -	0.4 485 ~	ON4KTJ DK1LL -09		DX Call	DX Grid	▲ ▼	
093215 20	0.0 1235 ~	W5X0 GMOFXD -13 W5X0 PE1HUD J032		KIT		Du. 1502 Lin 🔺	
093215 6 -	0.2 1400 ~	CQ F1PSX JN08	France			KX 1502 HZ 👻	
093215 0	0.1 2442 ~	TF5B G6LUW 73	England			Report -15 🗦	
093215 6	0.1 1742 ~	F1EKA DH2RTW J031	Germany	Lookup	Add	Auto Sea	O Nena
093215 8	0.6 720 ~	MWOUSK DF6XN R-03	France				.Q. None V
093215 / 0	0.2 145/~	AL7KT M7DYR -21	France	Erase	Enable Tx Ha	lt Tx Tune	Menus
093215 -1	0.4 1655 ~	I4BUQ IZ1YTH R+05		. (1			-
093215 -4	0.3 1835 ~	F1EKA DK1MBY JN58	D. 09		160m 10m		Pwr
093215 -17	0.1 1831 ~	W5X0 G0NGA J001	N+00				-
093215 -9	0.7 1631 ~	CQ SQ8AA KN19	Poland	-80	80m [⊻] 6m	30m FT4	7,056
093215 -3	0.2 1451 ~ 0.1 1192 ~	FIEKA UN4JPE J010	Germany		60m 🗌 4m	20m FT4 🗸	10,131 _
093215 1	0.4 1179 ~	CQ DX IN3IZQ JN56	Italy	► ⁻⁶⁰ 🗹	40m 🗹 2m	🗌 17m FT4 🗹	14,090 -
093215 -23	0.6 1331 ~	F1EKA G4IUP I093		40	30m 🗌 70cm	🗌 15m FT4 🔽	18,095 -
093215 -20	0.1 1397 ~	0E5DML EW8W RR73	Belarus 🗸 🗸		20m 00 FT	8 🗌 12m FT4 🗸	21.091
	1 055			-20	17 00 7		
CQ/73	Log QSO	Stop	Decode				
40	7.0	74.000	00.22.22		15m 📋 6m MSi	K Band Hopp	ing -
40m ~	7,0	74 000	09:32:32	55 dB	12m 🗌 2m MSI	K L	_
Receiving	DG2YCB	FT8 23					2/15 WD:5m

Screen shot of the widescreen version:

💽 WSJT-X - iws - Wide Graph		– 🗆 X
500 1000 1500	2000 2500	3000 3500
		and the second
14:33:15 15m		
	a. ja ang pang pang pang pang pang pang pang	
WSJT-X - iws v2.6.0 by K1JT et al.		- O X
File Configurations View Mode Decode Save Tools Help		
Band Activity	Rx Frequency	
UTC dB DT Freq Message	UTC dB DT Freq Message	
15m		
143315 -10 0.2 1316 ~ CQ PP5HR GG53 Brazil	143245 -8 0.2 1316 ~ CQ PP5HR GG53 Brazil 143315 -10 0.2 1316 ~ CO PP5HR GG53 Brazil	
143315 1 1.1 422 ~ LY2BBF UN7IT -18		
143315 -8 -0.0 925 ~ CQ A71FJ LL55 Qatar		
143315 2 0.2 2183 ~ DO9KW PY2XU -07		
143315 -1 0.3 272 ~ SV2LZX LU5EW R-18		
143315 -3 0.1 2801 ~ AO1XCN OA1F -08		
143315 -4 0.1 591 ~ CQ 524VJ K188 Kenya 143315 -12 0 1 1946 ~ EA1CWR VC4STR -16		
143315 -12 0.8 1632 ~ JH3GNS VU2TMP RRR		
143315 -10 0.1 1234 ~ I3KAN LW4EAZ -19		
143315 -12 0.8 2267 ~ CQ TA4/SQ9UM AS Turkey		
143315 -16 0.1 1582 ~ 9K2YM YD1WBR 0I33	widescreen version	
143315 -11 0.1 1250 ~ CQ 9H1FF JM75 Malta		
143315 -13 -0.1 1201 ~ RX1AB YB4HKR RR73 Indonesia		
143315 -19 0.2 1721 ~ KS3F YD3BWK -14		
143315 -4 0.2 332 ~ CQ Z35C KN11 a1 N. Macedonia		
143315 -14 0.3 1040 ~ VE2CKW YC9WH R-23 a7		
143330 -1 0.1 1197 ~ YO4DG PY2ZZ RR73 Brazil		
143330 8 0.1 2141 ~ F4BQS YU4EWW KN04		
143330 15 0.1 1584 ~ F1IXI 9K2YM RR/3 Kuwait 143330 -6 0.1 2268 ~ COLV288E K024 Lithuania		
143330 -7 -0.2 622 ~ 9A2KS IU2DJK +03		~
143330 14 0.1 1799 ~ EA1GUB CU3HN -16		
143330 -7 0.1 2518 ~ LQ SYIDAL KM18 Greece 143330 -9 0.1 679 ~ HBØRER YO8RAW -05	CQ only Log QSO Stop Monitor Erase Decode	Enable Tx Halt Tx Tune Menus
143330 -8 0.5 2020 ~ JK10ZS PU1ERS GG99	Tx even/1st Hold Tx Freq	
143330 -7 0.1 923 ~ A71FJ SV6DBG -14	15m V S 21,074 000	Generate Std Msgs Next Now Pwr
143330 -15 -0.0 2830 ~ 235C SVIHEE KM18 143330 -7 -0.9 989 ~ SP3SES A01XCN RRR		SP0D7 DG2YCB 1042
143330 -10 0.1 336 ~ LU5EW SV2LZX RR73 Greece		
143330 -18 1.2 2338 ~ CQ DO6NIK JO41 Germany	- FT8 SP0DZ KO02 Rx 1421 Hz +	SPODZ DG2YCB -15 O Tx 2
143330 -19 0.3 1033 ~ DM2GG YD1HAY 73 Indonesia	►-60 Az: 82 853 km Report -15	SPODZ DG2YCB R-15 O Tx 3
143330 -21 0.1 2495 ~ SP9RTK SV1QZY RR73 Greece		
143330 -17 -0.1 1874 ~ <a02022xac> YD9UBT PI93</a02022xac>	MSK Auto Seq CQ: None V	SPODZ DG2YCB RR73 U Tx 4 -
143330 -12 0.2 709 ~ <a02022xac> HL2ZN PM37</a02022xac>	20 2022 1.1 25	SPODZ DG2YCB 73 V O Tx 5
143330 -22 0.1 2126 ~ <ao2022xac> HL2DNU R-09</ao2022xac>		
143330 - 20 0.1 967 ~ CQ DX W4PKU FM18 U.S.A. VA-DC-MD	55 dB JT65 14:33:51	
		-
DC2VCR ET9 23		C/IE WD.2m

Try out which GUI layout you like best.

You can also install several program versions side by side by installing them in separate directories (e.g. "c:\WSJT\wsjtx_improved", "c:\WSJT\wsjtx_improved_AL", "c:\WSJT\wsjtx_improved_widesreen"), and by creating starter hyperlinks on your desktop for the "wsjtx.exe" files located in the respective \bin subfolders. Then you can start them as required and make a good comparison.

Your WSJT-X.ini file with your settings will be recognized and used automatically.

If you want to run several program instances at the same time, this is also possible. This is described in the WSJT-X User Guide. Just in brief: For this, you have to start "wsjtx.exe" with the additional parameter " --rig-name=NAME_XYZ". The program then creates individual .ini files for each instance so that they can be operated independently of each other.

Optional band buttons

Optional band select buttons can be switched on or off in the View menu (as of version 2.7.1). A click on one of the band select buttons takes you to your preferred band/mode default frequency, and a right-click sets the main DXpedition frequencies.



Band select buttons are available for all 3 GUI layouts. This is how it looks with the AL version:

134745 -6 1.2 1498 ~ 7X3WPL IZ8FMX JM88 134745 -12 0.1 315 ~ <> RA3ZH K081 134745 -15 -2.5 2720 ~ MI0JZZ EA3HYJ -01 134745 -13 0.0 1611 ~ <> RC1B K059	Erase Enable Tx Halt Tx Tune \checkmark Menus Px $1\sqrt{2}\sqrt{3}$ Pure	
134745 -11 0.1 1227 ~ CQ F5UJQ IN94 France 134745 -7 2.0 616 ~ PA9S OE2JKN JN67 134745 -19 0.3 1461 ~ <> UA6HGM LN14 134745 -22 -0.1 1405 ~ <> R8AAU -18 134745 12 0.1 2176 ~ <rp79sr> LZ5E0 KN21</rp79sr>	Generate Std Msgs Next Now	
134745 -12 -0.5 616 ~ CQ 2E0UFS I082 England ~ <	-40 O Tx 2 - -40 O Tx 3 - - 0 Tx 4 -	
CQ/73 BP Log QSO Stop Monitor Decode 20m - 14,074 000 13:48:03	20 0 0 49 dB CQ DG2YCB JO42 ● Tx 6	
Receiving DG2YCB FT8 34	3/15 WD:7m	

Enhanced features for the Wide Graph window

1. Optional display of bars for Rx and Tx frequency on the waterfall (like JTDX)

🌔 WSJT-	X - FT991a - Wide	Graph				—		×
	50 <mark>0</mark>	1000	1500	2000	2500	3000		350
08:04:00	20m	11	76	C Later				
08:03 45	20		F. 📕 🖓 🖗	- 🧏 👸 👘				and a
	Contraction of the second seco	A	,	A m A	/*/	·····		
			1967, 1969, 1970, 1976, 1976, 1976, 1976, 1976, 1976, 1976, 1976, 1976, 1976, 1976, 1976, 1976, 1976, 1976, 19		water and the second		299990LASTER	NHMM)
Bars	Dins/Pixel 6	Start 100 Hz 🖨	Palette Adjust	Flatten Ref	Spec		Spec 30 %	% 🖨
Freq 1	Time stamp Left 🕓	🗸 N Avg 2 😫	Digipan 🗸	Current	✓ 1111 111 1		Smooth	1 📫

2. Additional options for the Time stamp on the waterfall: Off / Left / Right

You can choose to show the timestamp on the waterfall on the left or right, or turn it off.

🔘 WSJT	T-X - FT991a - Wid	de Graph				_	
☑	50 0	1000	1500	2000	2500	3000	350
			1242				07:57:00 20m 07:56:45 20m
		14 marine manual					naugustus selvie
✓ Bars ✓ Freq	Bins/Pixel 6 Time stamp Right	Start 100 Hz N Avg 2	Palette Adjust Digipan V	✓ Flatten Ref Sp Current			Spec 30 % 🛓

3. Improved behavior of the mouse buttons when clicking on the waterfall display

- Left-click --> set Rx offset (unchanged)
- Right-click --> set Tx offset (NEW, behaves now like with JTDX)
- Double-click on right mouse button --> set Rx & Tx offset (Rx = Tx), (NEW feature)
- Shift + left-click --> set Tx offset (unchanged)
- Ctrl + left-click --> set Rx & Tx offset (unchanged)

Alternate Erase button behavior

When activated, the Erase button behaves like with JTDX:

- Left-click --> Erase the Band Activity window
- Right-click --> Erase the Rx Frequency window
- Double-click on left mouse button --> Erase both windows (unchanged)

Settings		? ×
General Radio Audio Tx Macros Re	porting Frequencies Colors Advanced	Alerts Filters
Station Details		
My Call: DG2YCB	My Grid: JO42GB	AutoGrid IARU Region: Region 1 V
Message generation for type 2 compound callsign	holders: Full call in Tx1	
Display		
Start new period decodes at top	Blank line between decoding periods	Show blank line with time stamp
Display distance in miles	Highlight DX Call in message	Font
Tx messages to Rx frequency window	✓ Highlight DX Grid in message	Decoded Text Font
Show DXCC, grid, and worked-before status	Show principal prefix instead of country name	Show DXCC for all messages
Behavior		
Monitor off at startup	Enable VHF and submode features	MSK144/Q65: Tx until 73 is received
Monitor returns to last used frequency	Allow Tx frequency changes while transmitting	Turn progress bar red while transmitting
Double-click on call sets Tx enable	Single decode	Auto-open/close Astronomical Data window
Disable Tx after sending 73	Decode after EME delay	kHz entry without k (restart required)
Calling CQ forces Call 1st	✓ Tune watchdog: 30 seconds 🔹	Tx watchdog: 8 minutes 보
Alternate F1-F6 bindings	CW ID after 73	Periodic CW ID Interval: 0
Additional features		
Map Grid locator to U.S. State	Frase Band Activity window after band change 🔽 Alte	rnate Erase button behavior
Show U.S. States in messages with grid	Set Rx frequency to Tx frequency after QSO	ble Wait features
Clear DX Call after QSO	Clear DX Grid after QSO	able button coloring unless mandatory (restart required)
Show distance in messages with grid	Show azimuth in messages with grid 🛛 🖂 Alig	n DXCC / distance / azimuth 2 🔄 🚽
		OK Cancel

kHz entry without k

Especially with EME, where you normally use a bandwidth of significantly more than 5 kHz, you often have to change the frequency to other, nearby band segments. You can do this by entering "164k" and pressing return, for example. This then changes the frequency from 438.065 MHz to 438.164 MHz, for example.

When the "kHz entry without k" checkbox is activated, you only need to enter the digits (e.g. on the numeric keypad of the keyboard) and can press the Enter key right there. A small but very useful improvement!

Advanced highlighting options

I myself use an alternative color scheme, which is easier on the eyes and which is more suitable for the dark style due to its more pastel-like colors. As of v2.7.0-rc2, every user can now easily switch between the original WSJT-X color scheme and this "wsjt-x_improved" default. With the "wsjt-x_improved" default scheme, stations uploading their logbook to LotW will have black foreground color, others red. Stations worked B4 are displayed with gray background.

criciai	Radio	Audio	Tx Macros	Reporting	Frequencies	Colors	Advanced	Alerts	Filters				
Decode I	Highlightling]											
Lo	TW User	[b/g un	nset]								٦		
My	Call in	n messag	je										
Ner	w Contin	ent on	Band										
Ner	W DXCC	n Band											
Ner Ner	w CQ Zor	ie											
Ner	w CQ Zor	ne on Ba	ind										
✓ Net	w ITU Zo	one on B	Band										
Ner	w Grid	n Pandi				_							
	w Grid d w Call	n banu											
Nev Nev	w Call o	Bandl	7			<u> </u>							
	ansmitte	age d messa	age			/							
R	eset Highlig	hting to W	/SJT-X default	Reset	Highlighting to w	sjt-x_impro	ved default		Rescan ADIF	Log			
High	light by Mo	de		Highli	ght orange:								
Only	grid Fields	sought		DG2YCB	DG2YCB.								
Indu	ude extra V	/AE entitie	s	Highli	ght blue:								
🗹 High	light also m	essages w	ith 73 or RR73	к1л,									
logbook	of the Wo	rld User Va	lidation										
	SV fla UDU		https://latu.a	rl ora/latu ucc	ar activity cov					Eatch Now			
Licore CS	SV THE ORE.		ntups.//iotw.ai	n.org/iotw-use	er-acuvicy.cov					retarriow			
Users CS	ast upload l	ess than:	180 days 🗦					Loaded 185	463 records from L	.otW.			
Users CS Age of la													
Users CS Age of la CTY File	Download		21				[Download La	atest CTY.dat				
Users CS Age of la CTY File CTY File	Download	R2023062											
Users CS Age of la CTY File CTY File	Download	ER2023062											
Users C Age of la CTY File CTY File	Download Version: Vi	ER 2023062											

And of course, as before, everyone can customize the color scheme according to their own preferences.

It is now also possible to highlight individual callsigns or grids according to your specifications. Callsigns and/or grids can be highlighted with orange or blue background color. Callsigns/grids must be separated by commas and can be mixed (e.g. "K1JT, DG2YCB, JO33, JN58,"). Important: There must be a comma behind each callsign (i.e. also at the end of the line).

Wait features

The "Wait Features" are nice little assistance functions to help finish a QSO more intelligently than calling all the time when the other station does not answer, or disappears temporarily due to QSB.

1. Wait and Reply

As long as you have the other station's callsign in the DX Call box, Wait and Call will attempt to continue your QSO when the station finally answers your call. This also ensures that a second RR73 is sent when the other station could not copy your first. Wait and Reply is automatically enabled for modes where Auto Seq is available.



Attention: Your rig may be set to Tx when Wait & Reply is enabled. Take the necessary precautions!

If necessary, right-click on the DX Call button to clear the DX Call box, which disables Wait & Reply.

Notes: Also, for other reasons, you should not have a callsign in your DX call box longer than necessary for the QSO unless you want to observe this station (e.g. using "Highlight DX Call in message"). Consider enabling the "Clear DX Call after QSO" option if a right-click on the DX Call button is too much for you.

2. Wait and Call:

In situations where the QSB is so strong that the other station disappears for an extended period of time, Wait and Call can help you. When this feature is enabled, the other station will be called up to three times as soon as they reappear on the band with their message containing "CQ", "73" or "RRR". To enable Wait and Call, click on the new DX Call button. Wait and Call requires a valid callsign in the DX Call box (= the station where you are in QSO with) as well as Auto Seq to be enabled. Any manual intervention, such as pressing the Halt Tx or Stop button, will immediately disable Wait and Call, giving you full control over your QSO in any case.



"Wait and Reply" and "Wait and Call" are available as of the update 2022-10-07 on.

Attention: Your rig may be set to Tx when Wait & Call is enabled. Take the necessary precautions!

3. Wait and Pounce:

Wait and Pounce lets you respond to incoming CQ messages from other stations. To activate Wait and Pounce, select one of the CQ: categories (i.e. CQ: Max Dist or CQ: Max dB or CQ: Min dB) and then right-click on the Enable Tx button which then turns orange. In the next over, wsjt-x_improved will answer the CQ calling of the most distant / strongest / weakest station.

🏮 wsjt->	X v2.7	.0-rc1	by K1	IJT et a	I.) ×
File Conf	figurati	ons	View	Mode	Decode	Save	Tools	Help											
					Band Ac	tivity									By Fr	equency			
UTC	ab	DT	F m m m	14		unity					1.1	UTC	d۵	DT	Ener	Manag			
UIC	aв	וט	Freq	M	essage							UIC	QB	וט	Freq	Messa	age		
162930	-13	1.8	2150	~ I	KGFBB I8	BEJC JI	188			1		162945	5 -10	0.1	2158 ~	PBOAG	CU <	.> -16	~
						20	9m												
162945	- 10	0.1	2158	~ PI	30ACU <.	>	16												
162945	- 3	0.2	2684	~	> F0#	105 K+1	92 9073												
162945	ĭ	1.1	1364	~ 0	Y02CK	KN15		Roman	ia										
162945	5	0.2	1930	~ R	P78K <	.> 73													
162945	-12	0.2	2011	~ F	1PBZ IZ8	SPPI -:	14												
162945	-5	0.1	1523	~ <	> RV6	F LN14	4												
162945	-11	1.1	958	~ C	Q IT9DIC) JM67		Italy	r i										
162945	- 7	0.2	1317	~ G	BVJU IZS	SIME -(96					W.	ait &	Poi	ince.				
162945	-14	0.0	2629	~ R	30Z <	> -10								FU	ince.				
162945	-11	0.0	875	~ D.	JIIU UX/	UU RR.	/3	Ukrai	.ne			 Second Second Sec	elect	a ca	teaorv	from	the C	O :	
162945	- 10	0.0	2766	~ 6	- SD5056	> KI	KK	Polar	d	_		10	mbo	how	andri	abt c	lick th		
162945	-16	0.1	3063	~ ~	0 0H2CBF	K001		Finla	and			1 2	Junoc	5 000	anun	gnt-c			
162945	-17	0.4	548	~ G	STTM OHS	BY RR	73	Finla	nd			/ EI	nable	e Tx I	outton	to act	tivate	Wait	
162945	-14	0.4	1160	~ D	H6BH <	.> -0	1			_		/ ar	nd Po	ounc	e.				
162945	- 8	0.2	1540	~ L'	Y3BFH F4	FSY -	93					/	_	1					
162945	-13	0.2	905	~ C(9H1VN	JM75		Malta	1			[
162945	-17	0.7	629	~ G	S3PYE E	IIEQ P	RRR				11		- 	5					× .
<										>	Ľ	<	\rightarrow						>
CQ/73	L	.og QS	0	S	top	Mon	itor	Er	ase	Dec	ode		Enable	Tx	Halt	Tx	Tur	ne	Menus
		_				5		en/1st	I Hold	Ty Fred	\sim								
20m	~ (1	4.07	'4 000			11/ 130		1X11Cq	![-		Con	norato (Std Moon		Next	Now	Pwr
		<u> </u>		.,.,			Tx 300	Hz 韋		/	2		Ger	nerate :	stu msys		NEXL	NOW	
			D	(Call	DV	Crid I				/	N						\cap	Ty 1	
Γ		1	07	Call	DX	Griu	A	•			\geq							1.4 ±	
-80	-								1		(m						0	Tx 2	
		•					Rx 905	Hz 👻			_						<u> </u>		
-60	-	- 1				Γ	Report -	13		- 1 -							0	Tx 3	-
E40		4				L	report	10 0									- 1		
L.40	B.4C	NV I	LOOK	up	Add	E	🛛 Auto S	eq	CQ: Max	Dist 🗸								Tx 4	-
-20	1912								CQ: Non	e /							~		
-	06	5	20	123	Mai O	5		_	CO: First		Ц.					~	O	Tx 5	
	20		20						CQ: Max	Dist		000		10.42				True	
52 dB	174	55		16:3	0:10				CQ: Max	dB		CQL	JG2YCB	JU42				1x6	-
	10	55							CQ: Min	dВ									- 1
								L							_		_	_	
Receiv	ing		DG2YC	В	FT8		19											10/15	5 WD:8m

Wait and Pounce can also be combined with the Filters feature. You can then for example "wait" for CQ messages containing a certain prefix, grid, callsign or keyword.

"Wait and Pounce" is available as of v2.7.0-rc1.

Attention: Your rig may be set to Tx when Wait & Pounce is enabled. Take the necessary precautions!

Yellow coloring of the "Enable Tx" and "DX Call" buttons

The "Enable Tx" and "DX Call" buttons are colored yellow if certain incoming messages might switch the Tx on. This is always the case in Hound Mode, but also with Wait & Reply or Wait & Call enabled. Some OMs had requested this safety feature to remind them to keep their ATU or PA on. If necessary, right-click on the DX Call button to clear the DX Call box and thus disable any active Wait function.



Option to disable the Wait features

The "Wait features" (Wait & Reply, Wait & Call, Wait & Reply) can be disabled. As there is actually no reason why to disable them, they are enabled by default. However, a few OMs have requested this option.

Settings											?	
eneral Radio	Audio	Tx Macros	Reporting	Frequencies	Colors	Advanced	Alerts	Filters				
Station Details												
My Call: DG2YCB				My Grid: JO42	GB			Aut	oGrid I.	ARU Region:	Region 1	~
Message generation	n for type	2 compound ca	llsign holders:	Full call in Tx1								~
Display												
Start new perio	d decodes	at top	🗹 В	lank line betweer	n decoding p	eriods	\checkmark	Show blank	ine with	time stamp		
Display distance	e in miles		ЧH	lighlight DX Call in	message				Fo	ont		
Tx messages to	Rx freque	ency window	ЧH	lighlight DX Grid ir	n message			[Decoded	Text Font		
Show DXCC, gri	id, and wo	rked-before sta	atus 🗌 S	how principal pre	fix instead o	of country nam	e 🗆	Show DXCC	for all m	essages		
Behavior												
Monitor off at s	tartup			Enable VHF and s	ubmode fea	tures		MSK144/Q65	: Tx until	73 is receiv	ed	
Monitor returns	to last use	ed frequency		Allow Tx frequen	cy changes	while transmitt	nsmitting 🛛 Turn progress bar red while transmitting					
Double-click on	call sets To	x enable		Single decode			Auto-open/close Astronomical Data window					
🗹 Disable Tx after	r sending 7	73		Decode after EM	E delay		✓ kHz entry without k (restart required)					
Calling CQ force	es Call 1st		\checkmark	Tune watchdog:	30 second	s ≑			Tx	watchdog:	8 minutes	*
Alternate F1-F6	5 bindings			CW ID after 73					Perio	dic CW ID Ir	nterval: 0	•
Additional features												
Map Grid locato	r to U.S. S	State	Erase Bar	nd Activity windo	w after ban	d change 🗹	Alternate E	rase button l	pehavior			
Show U.S. Stat	es in mess	ages with grid	Set Rx fr	equency to Tx fr	equency aft	er QSO	Enable Wa	it features				
Clear DX Call af	ter QSO		Clear DX	Grid after QSO			Disable but	ton coloring u	unless ma	andatory (re	start requir	ed)
Show distance i	n message	es with grid	Show azi	muth in messages	s with grid	\checkmark	Align DXCC	/ distance / a	azimuth	2	- 4	*
										ОК	C	ance

Filters

The Filters give you a powerful tool for customization of what is being displayed in the Band Activity window.

Settings							?	×
General Radio Audio Tx M	Macros Reporting	Frequencies	Colors	Advanced	Alerts	Filters		
Filters for the Band Activity window								
Territories 1-4 for the Hide checkboxe	s in the View menu							
U.S.A.	Russia		Germany					
Blacklist								
✓ Hide messages containing the follo	wing callsigns or keywo	rds:] [_
D1DX] [-
]		
Whitelist								
Show only messages containing th	e following callsigns or l	keywords:				,		_
/P	/QRP		ΥΟΤΑ			COTA		
POTA	SOTA							
Always Pass								
Always pass messages with the fo	llowing keywords:							_
кіл	DG2YCB							
	5 d - 10 - 11							
✓ Apply filters only to the callsigns of	t the calling stations							
U use filters for Walt and Pounce on	ıy							
						ОК	Cance	el

There is a Blacklist, a Whitelist, and an Always Pass list. In addition, you can specify up to 4 territories for which hiding can be switched on and off directly from the View menu of the main program window. From there you can also hide messages from a specific continent or stations worked B4 on band.

Filter criteria can be combined in any way.

The Blacklist can for example be used to hide pirate stations, contest messages or messages with unwanted content. You can enter whole callsigns, parts of them or keywords.

A meaningful use of the Whitelist is if you are ONLY interested in messages with certain grids, calls, or keywords. All other messages, except those allowed via the Always Pass list, will then be hidden.

Use the Always pass list to display specific stations even though the respective country or continent is hidden.

You can optionally apply the filters only to the callsigns of the calling stations, or use the filters for Wait and Pounce only. In the latter case, all messages will be displayed in the Band Activity window, but Wait & Pounce will respond only to stations that meet the set filter criteria.

As soon as a filter is activated that results in not all decodes being displayed in the Band Activity window, this is indicated in the status label (this is the display at the bottom left). It changes from green "Receiving" to cyan "Receiving, filter activated".



Filters are automatically disabled for Special Operating modes, so that you don't accidentally miss a station.

Notes: As of version 2.7.1, there are more filter options available directly via the main program window. All these so-called Quick Filters are now combined in a separate Filters menu.

And there is a new BP checkbox with which you can (temporarily) bypass all set filters with one click. Very useful if you have skipped certain areas (e.g. to display only DX stations) but now want to monitor the entire band activity for a certain time.

•	NSJT-X	- Virt	ual1	v2.7.1-	devel	by K1JT e	t al.											—		×
File	Confi	gurati	ons	View	Filter	s Mode	Decode	Save	Tools	Help)									
						Hide station	ns worked l	before o	on band						D	v Fraguen	~			
100	1170	In		-		Hide statio	ns worked t	today o	r vesterd	av	1.6	1170	10		-	xirequen	Cy	_	_	_
	UIC	dB	DI	Freq				coddy o	i yesteru	uy.	18	UIC	dB	DIH	req	Messa	ige			
14	0845	11	0.4	976		HIDE STATIO	ns from Ign	nore List												~
14	0845	5	0.3	814	\checkmark	Ignore stat	ions worke	d today	or yeste	rday										
14	0845	7	0.1	382	~	- Ignore stat	ions from I	anore l	ist											
14	0845	-10	0.3	1316		191010-0101		.g			$- \ $									
14	0845	2	-0.1	2051		Hide station	ns from U.S	S.A.												
14	0845	-16	0.0	1764		Hide station	ns from Rus	ssia					lick	Filte	rs:					
14	0845	-15	0.3	1695		Hide station	ns from Ger	rmany								7 4 46 4				-
14	0845	- 12	0.7	2155		Hide statio	ns from Sna	- ain				AS	OT	versi	on Z.	7.1, the	mo	st imp	orta	nt
14	0845	Θ	0.1	2057			is non opt				$+ \parallel$	- 111U	ers	cant	Jesw	vitched	one		airea	cuy
14	0845	-4	-0.4	1892 976		Hide station	ns from Eur	ope					mu	ne m	ain p	rogran	1 WI	ldow		
14	0845	-2	0.2	800		Hide station	ns from Nor	rth Ame	rica											
14	0845	-7	0.3	364 519		Hide statio	ns from Sou	uth Ame	erica											
14	0845	-13	0.2	1948		Hide statio	os from Asi	-												
14	0845	-18	0.3	1521 2407																
14	0845	-11	0.2	2130		Hide statio	IS ITOM AIT	ica				Ac	tiva	te the	BP (check	box t	0		
14	0845	-22	0.1	2004		Hide station	ns from Oce	eania				ten	npo	rarily	byp;	ass all	filter	S		
14	0845	-20	-0.2	1460		Hide station	ns from Ant	tarctica						1						
14	0845	-10	0.2	807	~	Highlight ca	lleigne wor	ked hef	ore on ha	bod										
14	0845	-14	-1.6	1013					ore on ba				/							
14	0845	- 10	-1.4	1270	Ť.	Highlight ca	ilisigns worl	ked tod	ay or yes	terda	y									
					~	Highlight ca	Illsigns from	n Ignore	e List				/							~
	160		80		60	40	30		20		17	15		12	10		6	2		70
	CQ/73	E	8P	Log Q	30	Stop		4onitor		Erase	:	Decode		Enable 1	Тх	Halt Tx		Tune		Menus
					4.4	074.0	00	\checkmark	Tx even	/1st	🖂 Hol	d Tx Freq	<u> </u>							
20	m	~	$\mathbf{-}$		14	,074 0	000	Т	< 300 Hz				5	Ger	nerate S	Std Msgs	N	ext	Now	Pwr
					DV Ca	JI	DV Crid					(Tx 1	1 1-
	-80				DA Ca		DX GHu			•		Í								-
	-	(F	тв					Rx	1183 H	z 🜲		(<u> </u>					0	Tx 2	-
	-60	F	T4					R	eport -15	; 🜲			[0	Tx 3	-
	-40	_		Look	up	Add	Ignore		Auto Soc		CO. 5-	• • • •	[\sim	Ty A	-
	-20	M	SK						Auto Set	•	CQ: PIR	st v	L							
	-	Q	65		202	24 Mai	06										\sim		Tx 5	_
	LO D dB				1	4.09.0	5							CQ DG2	YCB JO	42		•	Tx 6	-
-	00	Л	65			110510	<u> </u>													-
	Receivi	ng		DG2YC	B	FT8	3	9											5/15	WD:8m

Ignore List

A click on the Ignore button adds the callsign from the DX Call box to a so-called Ignore list. If you have also activated "Ignore stations from the Ignore List", such stations are automatically ignored when you use CQ: First, CQ: Max Dist, CQ: Max dB, CQ: Min dB or Wait and Reply.

You can erase the Ignore List from the File menu.

Call CQ with an individual contest name

Optionally, when in contest mode, you can call CQ with an individual contest name instead of "CQ TEST" or "CQ RU". This is particularly useful

🔵 WSJT-X - i v2.6.0-r	Settings ? ×]	\times
File Configurations	General Radio Audio Tx Macros Reporting Frequencies Colors Advanced Filters	
UTC dB DT		
	Aggressive decoding level: 3	^
	✓ Two-pass decoding ✓ ✓ ✓ ✓ ✓	
	Tone spacing	
	-Waterfall spectra	
	Low sidelobes Most sensitive	
	Special operating activity: Generation of FT4, FT8, and MSK144 messages	
	O Fox O Hound	
	O NA VHF O ARRL Field Day FD Exch:	
	EU VHF Contest O FT Roundup messages FT RU Exch: DX	
	O WW Digi Contest	
	CQ with individual contest name Contest name: PACC	
		\sim
CQ only Log Q		Menus
6m ×		Pwr
Eso H		_
- FT8	OK Cancel	-
- FT4		_
-40 - MSK	Lookup Add Auto Seq CQ: None V K1JT DG2YC8 RR73 O Tx 4	-
-20	2022 Jul 25	-
47 dB 1765	13:16:44 CQ PACC DG2YCB JO42 • Tx 6	-
105		
Receiving	DG2YCB FT8 0 14/15 V	VD:3m

Note: This wsjt-x_improved function has now also found its way into the original WSJT-X (as of v2.6.0 GA).

Map grid locators to U.S. States and Canadian Provinces

Wsjt-x_improved includes also an extra feature introduced by NJOA. With that, you can let wsjt-x_improved map grid locators to U.S. States and Canadian Provinces (useful when working without JTAlert). Current limitation: Sometimes the result is only a list of possible States.

ettings		?			
eneral Radio Audio Tx Macros	Reporting Frequencies Colors Advan	ced Alerts Filters			
Station Details					
My Call: DG2YCB	My Grid: JO42GB	🗌 AutoGrid IARU Region: Region 1 🗸			
Message generation for type 2 compound calls	ign holders: Full call in Tx1				
Display					
Start new period decodes at top	Blank line between decoding periods	Show blank line with time stamp			
Display distance in miles	Highlight DX Call in message	Font			
Tx messages to Rx frequency window	Highlight DX Grid in message	Decoded Text Font			
Show DXCC, grid, and worked-before stat	us 🗌 Show principal prefix instead of country	name Show DXCC for all messages			
Behavior					
Monitor off at startup	Enable VHF and submode features	MSK144/Q65: Tx until 73 is received			
Monitor returns to last used frequency	Allow Tx frequency changes while trans	smitting 🗹 Turn progress bar red while transmitting			
✓ Double-click on call sets Tx enable	Single decode	Auto-open/close Astronomical Data window			
Disable Tx after sending 73	Decode after EME delay	✓ kHz entry without k (restart required)			
Calling CQ forces Call 1st	✓ Tune watchdog: 30 seconds 보	Tx watchdog: 8 minutes 🛔			
Alternate F1-F6 bindings	CW ID after 73	Periodic CW ID Interval: 0			
Additional features					
Map Grid locator to U.S. State	Erase Band Activity window after band change	Alternate Erase button behavior			
Show U.S. States in messages with grid	Set Rx frequency to Tx frequency after QSO	Enable Wait features			
Clear DX Call after QSO	Clear DX Grid after QSO	Disable button coloring unless mandatory (restart required)			
Show distance in messages with grid	Show azimuth in messages with grid	Align DXCC / distance / azimuth 2 🖨 -4			
		OK Canc			

Search the DX Call on qrz.com, hamqth.com, or qrzcq.com

-40	FT4	Lookup Add Ignore Auto Soc Co. Sinct
-	MSK	Auto Seq CQ: Hirst V
-20 E ₀	Q65	2024 Mai 06
50 dB	Л65	13:45:56
Receivin	g	DG2YCB FT8 36

- Right-click on the **Lookup** button --> Search for the DX Call on qrz.com
- Right-click on the Add button --> Search for the DX Call on hamqth.com
- Right-click on the Ignore button --> Search for the DX Call on qrzcq.com

MSK144/Q65: Tx until 73 is received

New option since the Update of February 2023: "MSK144/Q65: Tx until 73 is received". It does what the name promises. Quite useful on VHF/UHF/SHF. It increases the success rate for a difficult QSO. A maximum of 10 attempts are made before it times out. Use Wait & Reply in case this is still not enough for you.

Settings	? ×
General Radio Audio Tx Macros	Reporting Frequencies Colors Advanced Alerts Filters
Station Details	
My Call: DG2YCB	My Grid: JO42GB AutoGrid IARU Region: Region 1
Message generation for type 2 compound call	
Pressage generation to type 2 compound cam	agritolociar Ton connertxi
Display	
Start new period decodes at top	✓ Blank line between decoding periods Font
Display distance in miles	✓ Highlight DX Call in message Decoded Text Font
Tx messages to Rx frequency window	Highlight DX Grid in message
Show DXCC, grid, and worked-before stat	tus 🗌 Show principal prefix instead of country name 🗌 Show DXCC for all messages
Behavior	
Monitor off at startup	✓ Enable VHF and submode features ✓ MSK144/Q65: Tx until 73 is received
Monitor returns to last used frequency	✓ Allow Tx frequency changes while transmitting
Double-click on call sets Tx enable	
Disable Tx after sending 73	Decode after EME delay
Calling CQ forces Call 1st	Disable Tune watchdog Tx watchdog: 3 minutes 🗣
Alternate F1-F6 bindings	CW ID after 73 Periodic CW ID Interval: 0
Additional features	
Map Grid locator to U.S. State	Erase Band Activity window after band change 🗹 Alternate Erase button behavior
Show U.S. States in messages with grid	□ Set Rx frequency to Tx frequency after QSO
Clear DX Call after QSO	Clear DX Grid after QSO
Show distance in messages with grid	Show azimuth in messages with grid 🛛 Align DXCC / distance / azimuth 2 🔅 0 🖨
	OK Cancel

CQ: First / CQ: Max Dist / CQ: Max dB / CQ: Min dB

If selected and CQ is called, the program will respond to the first / most distant / strongest / weakest station.

20m	~ •	14,074	000	Tx even/1st Tx 300 Hz	Hold Tx Freq	5
Гао	Н	DX Call	DX Grid			5
-80	FT8	К1Л		Rx 1183 Hz 🖨]	6
1 0	FT4		-	Report -15 韋]	
-	MSK	Lookup Add	Ignore	🖌 🖌 Auto Seq	CQ: None V CO: None	
F ²⁰	Q65	2024 Ma	ai 06		CQ: First CQ: Max Dist	
47 dB	JT65	15:21:	38		CQ: Max dB CQ: Min dB	

Show distance and/or azimuth with grid

If a station sends a valid Maidenhead locator, wsjt-x_improved now automatically calculates the distance and the great-circle azimuth and displays it in the Band Activity pane.

A new "Align DXCC / distance / azimuth" checkbox allows you to keep the DXCC names (or principal prefixes) as well as distance/azimuth in an aligned table form. Two spin boxes allow further configuration of the preferred layout:

- The first spin box sets the number of spaces between the decoded message and the DXCC name (or the principal prefix). The default is set to "1", which means one space more compared to the WSJT-X standard.
- The second spin box sets the number of spaces between the DXCC and the distance/azimuth field. You can increase or decrease the default number.
- The first spin box works also when "Align DXCC / distance / azimuth" is not checked. It can be used to increase the spacing between the decoded messages and the DXCC names. I programmed this because the number of stations with non-standard callsigns has greatly increased, and a little more space might be appropriate.

Settings	?	
General Radio Audio Tx Macros	Reporting Frequencies Colors Advanced Alerts Filters	
Station Details		
My Call: DG2YCB	My Grid: JO42GB AutoGrid IARU Region: Region 1	\sim
Message generation for type 2 compound ca	allsign holders: Full call in Tx1	\sim
Display		
Start new period decodes at top	Blank line between decoding periods	
Display distance in miles	✓ Highlight DX Call in message Decoded Text Font	
Tx messages to Rx frequency window	Highlight DX Grid in message	
Show DXCC, grid, and worked-before sta	atus 🗌 Show principal prefix instead of country name 📃 Show DXCC for all messages	
Monitor returns to last used frequency Double-dick on call sets Tx enable	✓ Chable Vir and submode reactives ✓ Misk1+4,005. TX unit 75 is received ✓ Allow Tx frequency changes while transmitting Single decode	
Disable Tx after sending 73	Decode after EME delay	
Calling CQ forces Call 1st	Disable Tune watchdog Tx watchdog: 3 minutes	+
Alternate F1-F6 bindings	CW ID after 73 Periodic CW ID Interval: 0	-
Additional features		
Map Grid locator to U.S. State	🗌 Erase Band Activity window after band change 🛛 🗹 Alternate Erase button behavior	
$\hfill \ensuremath{\boxdot}$ Show U.S. States in messages with grid	□ Set Rx frequency to Tx frequency after QSO	
Clear DX Call after QSO	Clear DX Grid after QSO Disable Tx warning	
Show distance in messages with grid	Show azimuth in messages with grid Align DXCC / distance / azimuth 1 主 0	\$
	OK Ca	ancel

Some checkboxes have been repositioned to make it a bit more compact and intuitive. The "Show country information for all messages" checkbox has been moved to the General tab and renamed "Show DXCC for all messages" so that the three content-related checkboxes are now arranged directly next to each other.

The following screen shot shows the Band Activity pane with "Show distance in messages with gid", "Show azimuth in messages with gid" and "Align DXCC / distance / azimuth" enabled.

0	WSJT-X	(- FT9	91a v	/2.6.1	by I	K1JT et al.				
Fil	e Conf	ìgurati	ons	View	Мо	de Decode Save Too	ls Help			
						Paged Activity				
			_	_		Danu Acuvity				
	UTC	dB	DT	Freq		Message			UTC	dB
	074915	-20	0.3	1735	~	CQ ZL2BX RE68	New Zealand	[18349 km / 50°] 🔥		
	074915	-19	0.4	444	~	VO1BBN VK2WN RR73	Australia			
	07/030	12	0 1	1172		71 111HY FR2AM DD73	Snain			
	074930	10	0.3	916	2	CO GIOHWO IO74	N. Ireland	[939 km / 292°]		
	074930	-6	0.1	1379	~	CQ 2E0CVN I080	England	[819 km / 262°]		
	074930	17	0.1	651	~	CQ 9A5JU JN85	Croatia	[958 km / 136°]		
	074930	-14	0.8	1804	~	CQ LA8ENA J048	Norway	[720 km / 2°]		
	074930	9	1.5	2798	~	F5RFS F4FLQ R-18	-			
	074930	-5	0.1	1242	~	CQ F4FZR JN25	France	[771 km / 201°]		
	074930	- 13	0.1	1518	~	V31MA MM3DCD D-14	U.S.A.			
	074930	-8	0.1	1299	~	VK2WN VO1BBN 73	Canada			
	074930	-13	0.1	2953	~	T30UN G000F 1081	canada	[795 km / 270°]		
	074930	- 8	0.2	811	~	CQ F4DIA JN36	France	[626 km / 191°]		
	074930	-8	0.1	1606	~	CQ SQ5BUJ KO02	Poland	[853 km / 82°]		
	074930	-11	0.1	1627	~	EA5HM SM6CWP +03				
	074930	-16	0.2	1691	~	CQ PEINMM J032	al Netherlands	[114 km / 297°]		
	074930	-1/	0.1	911	~	MW/TTA OHSUBL R-06	-7	[070 km (1008]		
	074930	9	0.5	2002	~	K/CIV F6BHK JN24	a/	[0/0 Km / 199-]	H	FT8
	074945	5	0 1	2728	~	<dh8tom orp=""> E8GHA</dh8tom>	1N24	[878 km / 199°]	MCK	005
	074945	1	0.1	2175	~	OHJUBL MW7TTA RR73	Wales	[0/0 km / 155]	MSK	Qos
	074945	11	0.6	1090	~	K4LTC IK4TVP -05				
	074945	4	0.4	2288	~	MM3RCR V31MA RR73	Belize		DX	
	074945	12	0.2	1682	~	F4FLQ F5RFS RR73	France		K1	π
	074945	-4	0.1	1243	~	F4FZR N1UL EL95	FL	[7780 km / 286°]	K1	
	074945	1	0.1	1338	~	VOIBBN EA7HY -11		[7410 h= (0710]		
	074945	07	0.1	1979	~	1300N KP4JR5 FK68		[/418 Km / 2/1°]	Last	
	074945	-10	0.2	2796	2	T30UN W9C05 -16		[022 KIII / 224]	LOO	kup
	074945	-6	0.2	290	2	<t30un> N1UL /3</t30un>				
	074945	2	0.2	994	~	F4DIA HA5AJZ JN97		[908 km / 120°]	Eras	e
	074945	2	0.2	667	~	T30UN W1JBD -10				
	074945	5	0.2	503	~	K4LTC EC1A 73	Spain		Rx	/ 1 \/
	074945	-16	0.8	607	~	CQ KB8BMN EN82	U.S.A. MI	[6533 km / 300°]		-
	074945	-2	0.4	781	~	CQ EC2AMN IN71	Spain	[1556 km / 226°]	Г	
	074945	-13	0.1	2214	~	CQ 5POWARD	Denmark	[15007 ba (610]	-80	К1ЛГ
	074945	-10	0.3	2144	~	VUIDEN VK4ZD QG62		[1222] KW / 2145]	-	
	074945	-12	1.0	1125	2	SM6CWP FA5HM R-08		[400 Kill / 214]	-60	K1JT [
	074945	-17	0.3	1735	~	CO ZL2BX RE68	New Zealand	[18349 km / 50°]	-	
	074945	-20	0.5	1002	~	T30UN N9MT EN71	IN-MI-OH	[6729 km / 301°]∨	-40	K1JT [
	<							>	- "	
L									-20	K1JT [
	CQ/73			L	og Q	2SO Stop	Monitor	Decode	20	MATT.
										LITIN
	30m	$\overline{\mathbf{v}}$	s			10 136 000	0	7.50.03	EE dB	CODE
Ŀ	John					10,130 000	0,	.50.05	30 GB	0000
	Receivi	ng		FT-99	1	FT8 22				

Special operating activity to comments

Check this box to automatically add the Special Operating Activity mode/name to the comments field. For example, it adds "NA VHF Contest" or "EU VHF Contest" to the comments. If "CQ with an individual contest name" is enabled and a valid abbreviation is entered in the Contest Name field (e.g. "PACC"), this abbreviation + "Contest" will be added to the comments (e.g. "PACC Contest").

0	Settings												?	×
	General R	Radio	Audio	Tx Macros	Reporting	Frequencies	Colors	Advan	nced I	Filters				
	Logging													
	Prompt n	me to lo	g QSO					Op Call	:					
	🗹 Log auto	omatical	y (contest	ing only)										
	Convert	t mode t	0 RTTY											
	dB repor	rts to co	mments											
	Special o	operatin	g activity t	to comments										
	Clear DX	K call and	d grid after	r logging										
	Network Ser	rvices —												
	Enable P	PSK Rep	orter Spot	tina		Πι	lse TCP/IP	connectio	n					
	-UDP Server													
	UDP Server:	:	22	4.0.0.1					Acce	ept UDP	requests			
	UDP Server	port nu	mber: 22	37				-	🗹 Notif	fy on ac	cepted U	IDP reque	st	
	Outgoing int	terfaces	: et	hernet_32775,	loopback_3			~		oted U	D reque	et restore	e window	,
	Multicast TTI	1:	1					-		epted OL	or reques	screstore	s window	'

Note: Retained comments and "dB reports to comments" override this feature.

WSJT-X - Virtual1 v2.6.1 by K1JT et al.

Click OK to confirm the fol	llowing QSO:	
Call	Start	End
К1ЛТ	17.02.2023 09:48:30 🜲 17.	02.2023 09:49:30 韋
Mode Band F	Rpt Sent Rpt Rcvd Grid	Name
FT8 40m	-12 FN20	
Tx power		Retain
Comments NA VHF Cont	iest 🗸 🗸 🗸	Add Retain
Operator		
Exch sent JO42	Rcvd Fi	N20
Prop Mode	~	Retain
Satellite	\sim	Retain
RX Frequency		Retain
	ОК	Cancel

Diagnostic mode

Versions from v2.6.0-rc2 upwards have a built-in diagnostic mode. This makes it easy to collect data to troubleshoot problems with wsjt-x_improved, or with its communication with your rig (hamlib issues, not responding COM ports, etc.).



Right-click the Tune button to initiate rig tuning (ATU)

With versions from v2.7.1 "240510" upwards, you can initiate ATU rig tuning directly from the program. It is required that your rig is connected via hamlib, and that your rig model supports this feature.



Dark Style

As of the update 2022-10-07 on, you can switch to dark style directly in the main window. Just click on the new item "Use Dark Style" in the "View" menu. This switch does more than restart of wsjtx.exe with the parameter --stylesheet :/qdarkstyle/style.qss. Additionally, it adjusts some internal settings and uses an optimized stylesheet for the dark style. If you have enabled the dark style, you should adjust the highlight color scheme towards pastel tones. Go at Settings to Colors and adjust the background colors according to your needs.

🔵 WSJT-X - Wide Graph	- D ×
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15:30 2 2m 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	
I Bars Bins/Pixel 6 🗘 Start 100 Hz 🗘 Palette Adjust I Flatten 🗌 Ref Spec	Spec 25 % 🗘
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WSJT-X v2.6.0 by K1JT et al.	– 🗆 X
File Configurations View Mode Decode Save Tools Help	
Band Activity	Rx Frequency
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2022 Okt 05	
ss dв лез 15:31:06	
Receiving DG2YCB FT8 30	6/15 WD:2m

There is also a **PLUS version** of each of the 3 versions available, which has 2 additional features: Audible alerts (e.g. "New DXCC" or "Calling You") and Cloudlog support.

Alerts: Very important: Ensure that your rig is NOT connected via "DefaultAudioDevice" !!!

Use of this feature requires that your computer is equipped with two sound cards. This requirement is fulfilled when your rig is connected via USB audio (FT-991, IC-7300, etc.). The audio alerts will be played on the default audio device (usually the loudspeaker of your computer) while the normal wsjt-x output is still lead to your rig only.

To configure audio alerts, you will find under "Settings" a new tab "Alerts". Just select the checkboxes and click on "Enable Audio Alerts". Note that playing of any audio alerts is independent of your settings under "Decode Highlighting". However, audio alerts are only useful for parameters for which "Decode Highlighting" is activated. On the other hand, you usually don't want to get an acoustic alert for every optical decode highlighting. Useful settings could for example be:

Settings	? ×
General Radio Audio Tx Macros Reporting	Frequencies Colors Advanced Alerts Filters
WARNING: THIS FEATURE IS FOR EXPIRIENCED USERS ONL Use of this feature requires that your computer is equipped w Ensure that your rig is NOT connected via "DefaultAudioDevid This requirement is fulfilled when your rig is connected via US Audio Alerts will be played on the default audio device (usual	Y !!! vith two sound cards. ce" !!! B audio (FT-991, IC-7300, etc.). ly the loudspeaker of your PC).
Audio Alerts PLUS Versions have	ve an additional "Alerts" tab
New Continent	New Continent on Band
New DXCC	New DXCC on Band
New CQ Zone	New CQ Zone on Band
New ITU Zone	New ITU Zone on Band
New Grid	New Grid on Band
☑ My Call	
CQ in message	Enable Audio Alerts
☑ DX Call or DX Grid in message	
IMPORTANT NOTE: Enable Audio Alerts only in case your rig	is NOT connected via "DefaultAudioDevice" !!!
	OK Cancel

Cloudlog support

Optionally upload of your QSOs to Cloudlog. Cloudlog is an open-source PHP & MySQL based amateur radio logging application. You can find it at <u>https://www.magicbug.co.uk/cloudlog/</u>. Many thanks to DF2ET for programming this feature!

eneral Radi	o Audio	Tx Macros	Reporting	Frequencies	Colors	Advanced	Alerts	Filters	
JT65 VHF/UHF/	Microwave d	lecoding parameter	s		Miscellane	eous			
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Aggressive dec	oding level:	3		-	Receiver	bandwidth:	3000 H	łz	+
✓ Two-pass d	acoding				Tx delay:	:	0,2 s		+
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					Waterf	all spectra			
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Special operation	ating activit	y: Generation of F	T4, FT8, and	MSK144 messag	ES				
Fox				C	Hound				
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O EU VHF Con	itest			C) FT Round	up messages		FT RU Exch:	MA
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