



FT-8 & FIELD DAY

Joe DeVincentis, KO8V



FT8 INTRO

- Developed by Joe Taylor, K1JT
- For weak signal contact exchange only
 - Weak signal \neq Low Power
- Perfect for Field Day (get 2 pts / contact)
- What do I use:
 - WSJT-X: <https://www.physics.princeton.edu/pulsar/k1jt/wsjtx.html>
 - JTAlert: <https://hamapps.com/>
 - Install all three (JTAlert, Sound Files and Callsign Database)
 - N3FJP: <http://n3fjp.com/fieldday.html>
 - \$9 for Field Day, \$50 for all contests



TIME

- Time is a big deal. Find a good source
- Windows has NTP issues. So its clock can drift
 - Other OSes (Mac, Linux) don't exhibit this problem.
- GPS is best source for all
 - I use a GPS with NMEATime2 (\$21 lifetime) for Windows
 - <https://visualgps.net/index.html#nmeatime2-content>
- If Internet available NTP.
 - Linux and MacOS I use the NIST servers
 - <https://tf.nist.gov/tf-cgi/servers.cgi>
 - Meinberg NTP if on windows
 - https://www.meinbergglobal.com/english/sw/ntp.htm#ntp_stable

N3FJP LOGGER MAIN SCREEN

N3FJP's ARRL Field Day Contest Log 6.2
www.n3fjp.com
— □ ×

File Settings Band Mode View Network Operator Help

Current Band & Mode
Recent Contacts ○ Last 20 ● All

Rec	Call	Class	Sec	Date / Time	Bnd	Mode	Country	Initials	Operator

Score Statistics

Total CW Contacts 0

Total Phone Contacts 0

Total DIG Contacts 0

Total QSO Points 0

QSOs / Hr (Last 20 min) 0

QSOs / Hr (Last 60 min) 0

Call

Class

Section

Ready to begin!

Please select your band and mode from the menu options!

Clear
Spot Last

Possible Duplicates Any Portion

San Joaquin Valley Total = 0

DX	3	5	7	0
DX	DE MDC EPA WPA	AR NTX LA OK MS STX NM WTX	AK NV AZ OR EWA UT ID WWA MT WY	CO MO IA ND KS NE MN SD
1	4	6	8	9
CT RI EMA VT ME WMA NH	AL SC GA SFL KY TN NC VA NFL VI PR WCF	EB SCV LAX SDG ORG SF PAC SJV SB SV	MI WV OH	IL WI IN
2				Canada
ENY NNY NLI SNJ NNJ WNY				AB NT BC ONE GTA ONN MAR ONS MB PE NL QC SK

Bearing:

Miles:

Band:

80

Mode:

DIG

K08V

1E

VA

7:56:46 AM

11:56:46 UTC

N3FJP LOGGER RIG INTERFACE

Rig Interface Setup 2.8 (Ctrl R)

Select Rig: None
Client API
Elecraft
Flex API
FlexRadio
Icom
Icom2
Icom 735
Kenwood
Kenwood2
N3FJP API
Ten Tec Argonaut VI
Ten Tec Eagle
Ten Tec Fnt Pnl
Ten Tec Omni VI
Ten Tec Omni VII
Ten Tec Orion
Ten Tec Pegasus
Yaesu - Older
Yaesu 100D
Yaesu 757 GX II
Yaesu 890
Yaesu 891
Yaesu 900
Yaesu 920
Yaesu 920A
Yaesu 990
Yaesu 991

Com Port: COM24
COM23
COM5
COM10
COM11
COM12
COM13
COM7
COM8
COM9

Baud Rate: 1.2 2.4 4.8 9.6 11.5 14.4 19.2 28.8 38.4 56

Parity: Odd None Even

Connection Power: None RTS DTR Both

Mode Determined By: Rig Frequency Don't Use
 Mode by Frequency: Return All Mapped Modes

Data Bits: 7 8

Stop Bits: 1 2

Radio Polling Rate: 100 ms 500 ms 2 sec 10 sec

Use Frequency on Main Form Convert Command to Hex
 Return LSB / USB Immediately Execute Commands
 Show Frequency Change Form on Startup
 Don't Send CW Mode Change if on CW (so CW filters won't reset)
 Don't Send Mode Change with Freq (useful when operating digital)
 Add Offset to Frequency Change (CW & DIG) Offset in Hertz
 Invert Keyboard Tuning Up / Down + / -

Command to Read Frequency:
Frequency:

Command to Read Mode (if required):
Mode:

Description:
To use the Rig Control interface, select the appropriate parameters for your radio and click test.
Be sure to select the RTS or DTR connection power option if your interface requires it. Many interfaces require RTS.
Icom users, after selecting Icom, don't forget to enter your rig ID into the command strings, which you will find in your rig's manual under CAT control.
I have the detailed successful settings users have sent along for many rigs here:
<http://www.n3fjp.com/help/righelp.html>

Unprocessed data returned:
Converted from hex:

Multi Radio Configuration: (Main Form Ctrl + X)
Rig 1:
Rig 2:

To test the change frequency command, enter a frequency in MHz and click Send. The mode should change to SSB or CW as well, depending on the frequency you enter. Test changing modes by clicking on the mode buttons:
Frequency:

N3FJP LOGGER ENABLE THE API

N3FJP's ARRL Field Day Contest Log 6.2 www.n3fjp.com

File Settings Band Mode View Network Operator Help

Recent Contacts Last 20 All

Date / Time	Bnd	Mode	Country	Initials	Operator
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Score Statistics

- Total CW Contacts: 0
- Total Phone Contacts: 0
- Total DIG Contacts: 0
- Total QSO Points: 0
- QSOs / Hr (Last 20 min): 0
- QSOs / Hr (Last 60 min): 0

Application Program Interface (API)...

Possible Duplicates Any Portion

Connecticut Total = 0

DX	3	5	7	0
DE MDC	AR NTX	AK NV	CO MO	
EPA WPA	LA OK	AZ OR	IA ND	
	MS STX	EWA UT	KS NE	
	NM WTX	ID WWA	MN SD	
		MT WY		
				Canada
				AB NT
				BC ONE
				GTA ONN
				MAR ONS
				MB PE
				NL QC
				SK

Bearing: Miles: **Band: 80 Mode: DIG KO8V 1E VA** 7:57:26 AM 11:57:26 UTC

N3FJP LOGGER ENABLE THE API

N3FJP API 1.5

Server API - Allow any properly coded program to connect

API Server Functionality - Use this section to enable other programs, including other N3FJP Software programs, to connect to this one.

I often receive requests from folks who would like to interface their digital or logging programs with my logging software. To accommodate those requests, I have added easily implemented Application Program Interface (API) functionality, to enable any other program to do just that!

If you have a program that you would like to see interfaced with my software, please contact the developer(s) and refer them to this page:

<http://www.n3fjp.com/help/api.html>

Unless you let the programmer(s) know that you would like to see them

[Please click here for the detailed API specifications.](#)

TCP API Enabled (Server) Port

Server Running = True
Port = 1100

Client - Only use this to connect to another N3FJP program

API Client Functionality - Use this section to enable this program to connect to another N3FJP Software program (usually Amateur Contact Log) to see if the entity you are working is confirmed.

Before enabling this feature, from the host program's menu options (usually Amateur Contact Log) click Settings > API and check the checkbox to enable the TCP API.

Host Port

Enable Entity Confirmation Check via API

Disconnected

WSTJ-X SETUP

WSJT-X v2.1.2 by K1JT

File Configurations View Mode Decode Save Tools Help

Band Activity

UTC	dB	DI	Freq	Message
122700	1	0.2	1155	AK9B WW0WV RR73
122700	-17	-0.5	1299	P41E K5HYT EL06
122700	-7	-0.1	1375	W2AOC CO6FMH FLO2
122700	-9	0.1	1425	CQ WD9HTI EM76 U.S.A.
122700	3	1.5	1702	N5JEH W8RID EN91
122700	-23	0.0	1819	VE4YH K3SAE R-04
122700	-9	1.1	1955	KO4DCR CM2TL 73
122700	0	0.0	2005	N4KIN CO2TZ 73
122700	-12	0.5	2163	HPLXT YV5IT FR60
122700	-19	0.2	2249	KI7DAN 3D2AG -14
122700	-2	0.1	2372	UW5EJX/MM <W10B> 73
122700	-2	0.2	2541	CQ WB2TQE EL96 U.S.A.
122700	-1	0.1	606	HLSFUA NN3V 73
122700	-16	0.1	888	AC4BV KD9EFO EM59
122700	-11	0.1	1201	N9JA W3YNE R-10
122700	-10	0.2	1738	CQ WSULR EM40
122700	-7	0.2	2518	VE6RST KR4OWZ FM17
----- 40m -----				
122715	18	0.2	553	3D2AG N4QS -10
122715	-5	0.1	647	<K2H/SAR> W5LOR EM21
122715	-13	0.4	701	N2YNF N9SES RR73
122715	-10	0.1	786	WW0WV XELIM +04
122715	-6	0.2	843	AELT KJ4GK RRR
122715	-24	0.4	1155	WW0WV AK9B 73
122715	-13	0.2	1463	K0FMS KD9ASC EM42
122715	0	0.2	1517	WV8DX WIW 73
122715	-16	0.1	1705	JASBOH VE6RST R-06
122715	-21	0.4	1807	KD9EFO AC4BV +00
122715	8	0.3	1879	WW0WV K2HJ FN22
122715	-12	0.2	1939	B3CRA WB6PIH DM13
122715	10	0.1	2248	WW3JW <K2H/REN> -19
122715	-1	-1.2	2370	CQ UW5EJX/MM
122715	6	0.1	2439	CQ KSEW EM40 U.S.A.
122715	-15	0.1	2547	AB0H ND8G EM77
122715	-19	0.1	2603	B3CRA NK7Z CN84
122715	-13	-0.0	875	K5HYT KB8BIF -12
122715	-1	0.2	1008	VE4REM K8YV EN73
122715	-24	0.1	1297	K5HYT P41E -17
122715	-24	-0.2	1807	CQ N5JEH DM65
122715	-7	0.2	1899	W3YNE N9JA -16
122715	-16	-0.6	2076	CO6FMH W2AOC -12
122715	-18	0.2	2318	CQ WA4PT FM18
122715	5	0.2	2426	CQ KG5ZZB EM10 U.S.A.

Rx Frequency

UTC	dB	DI	Freq	Message
120830	-22	0.4	1318	LY3TW IZ6IOC JN62
120930	-24	0.2	1318	LY3TW IZ6IOC JN62
121215	-24	0.1	1319	CQ LY3TW K014 Lithua
121245	-24	0.2	1320	CQ LY3TW K014 Lithua
121600	-3	0.2	1325	W2AOC WOPAS RR73
121615	-10	0.1	1330	CQ KG5MKP EM12 U.S.A.
121615	-19	-0.6	1325	WOPAS W2AOC 73

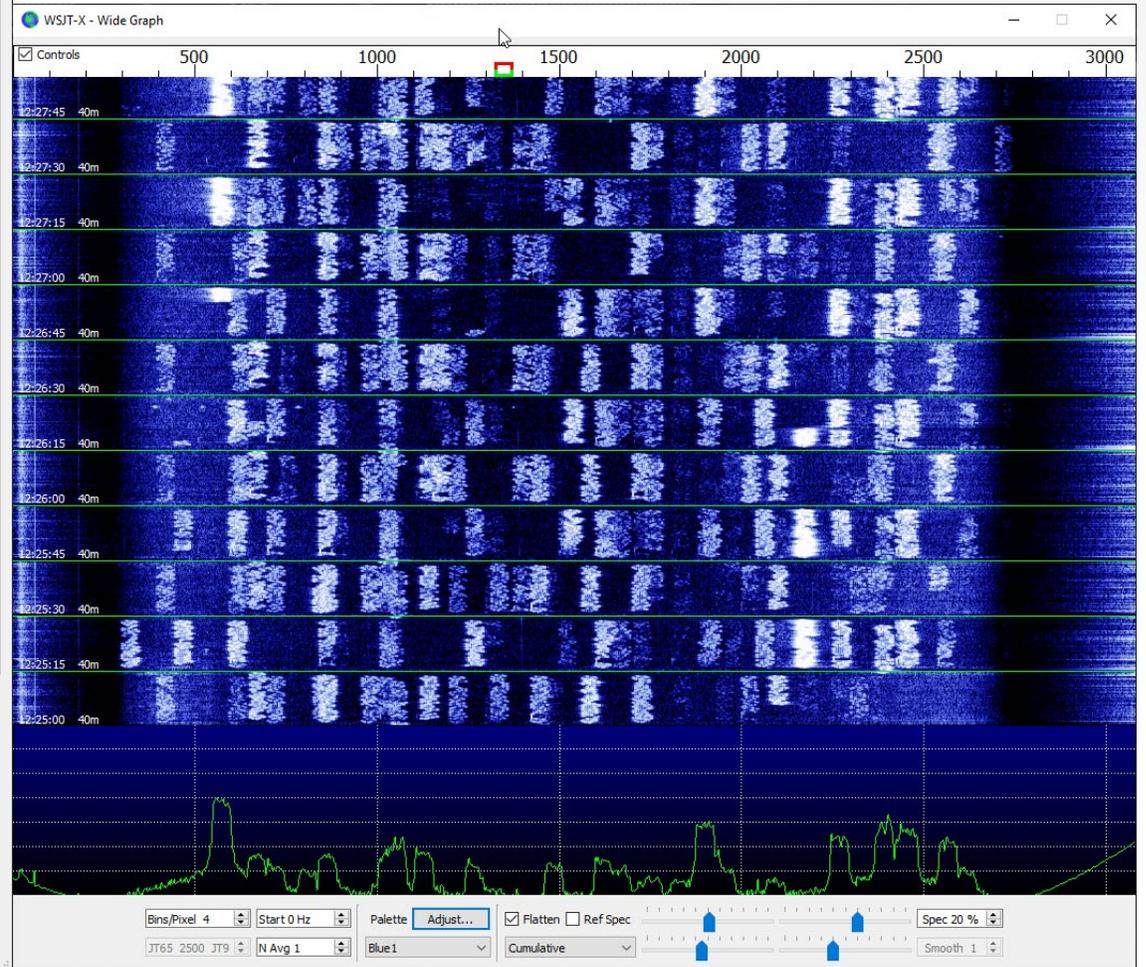
40m

7.074 000

DX Call: VE1UF, DX Grid: FN85, Az: 52, 949 mi

2020 May 02 12:27:35

Receiving KO8V - Copy FT8



WSTJ-X SETUP

WSJT-X v2.1.2 by K1JT

File Configurations View Mode Decode Save Tools Help

Open Ctrl+O
 Open next in directory
 Decode remaining files in directory Shift+F6
 Delete all *.wav & *.c2 files in SaveDir
 Erase ALL.TXT
 Erase wsjtx_log.adi
 Erase WSPR hashtable
 Reset Cabrillo log ...
 Export Cabrillo log ...
 Open log directory
Settings
 Exit

UTC	dB	DT	Freq	Message
120830	-22	0.4	1318	LY3TW I26IOC JN62
120930	-24	0.2	1318	LY3TW I26IOC JN62
121215	-24	0.1	1319	CQ LY3TW K014 Lithua
121245	-24	0.2	1320	CQ LY3TW K014 Lithua
121600	-3	0.2	1325	W2AOC WOPAS RR73
121615	-10	0.1	1330	CQ RG5MRP EM12 U.S.A.
121615	-19	-0.6	1325	WOPAS W2AOC 73
122915	7	-0.0	1329	W0W0WV K2HJ FN22
123100	-17	-0.2	1316	<...> KN4MKX EM97
123130	-14	-0.2	1315	<...> KN4MKX EM97

40m 7.074 000 Tx 1324 Hz Rx 1325 Hz
 VE1UF FN85 Az: 52 949 mi Report -15
 2020 May 02 12:31:56
 Receiving K08V - Copy FT8 11/15 WD:6m

Settings

General Radio Audio Tx Macros Reporting Frequencies Colors Advanced

Station Details
 My Call: K08V My Grid: FM08SB AutoGrid IARU Region: All
 Message generation for type 2 compound callsign holders: Full call in Tx3

Display
 Start new period decodes at top
 Blank line between decoding periods
 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/UHF/Microwave 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

WSTJ-X SETUP

Settings

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

Rig: Elecraft K3S Poll Interval: 1 s

CAT Control

Serial Port: COM7

Serial Port Parameters

Baud Rate: 38400

Data Bits

Default Seven Eight

Stop Bits

Default One Two

Handshake

Default None

XON/XOFF Hardware

Force Control Lines

DTR: [v] RTS: [v]

PTT Method

VOX DTR

CAT RTS

Port: COM8

Transmit Audio Source

Rear/Data Front/Mic

Mode

None USB Data/Pkt

Split Operation

None Rig Fake It

Test CAT Test PTT

OK Cancel

Settings

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

Soundcard

Input: MKIII Line In (MKIII LINE) Mono

Output: Line (MKIII) Mono

Save Directory

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

AzEl Directory

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

Remember power settings by band

Transmit Tune

OK Cancel

WSTJ-X SETUP

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

UDP Server

UDP Server: Accept UDP requests

UDP Server port number: Notify on accepted UDP request

Accepted UDP request restores window

Secondary UDP Server (deprecated)

- Enable logged contact ADIF broadcast

Server name or IP address:

Server port number:

OK Cancel

Settings

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

JT65 VHF/UHF/Microwave decoding parameters

Random erasure patterns:

Aggressive decoding level:

- Two-pass decoding

Miscellaneous

Degrade S/N of .wav file:

Receiver bandwidth:

Tx delay:

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:
 - EU VHF Contest
 - RTTY Roundup messages RTTY RU Exch:

OK Cancel

JT-ALERT SETUP

JTAlert 2.16.4 KO8V [???m,FDCL,#1] | Alerts | Settings | View | Sound OFF | ? | 160 80 60 40 30 20 17 15 12 10 6

Name	QTH	Grid	Comments	PWR	Time	Country Name	CQ	ITU	Cont.	QSL

FT8 Band : 160 80 60 40 30 20 17 15 12 10 6 2 # : FT4 Band : 160 80 60 40 30 20 17 15 12 10 6 2 # : ✓ Wrk
Callsign : : Callsign : : ✓ Cfm
DXCC : : DXCC : :
US State : : US State : :

JT-ALERT SETUP

The screenshot shows the JTAlert 2.16.4 application window. The title bar reads "JTAlert 2.16.4 KO8V [???m,FDCL,#1] | Alerts | Settings". The interface includes several input fields for Name, QTH, Grid, and Country. Below these are fields for FT8 Band, Callsign, DXCC, and US State. A frequency scale is visible at the top right, ranging from 80 to 6 MHz. A menu is open, listing various options such as "Send Spots to HamSpots.net", "Enable Debug Recording", and "Manage Settings ...". The "Manage Settings ..." option is highlighted with a blue background and circled in red. The keyboard shortcut "F11" is shown next to it. Other menu items include "Test Sound Card" and "Exit JTAlert".

Send Spots to HamSpots.net

Enable Debug Recording

Wanted Callsigns ...

Wanted US States ...

Wanted VE Provinces ...

Wanted DXCCs ...

Wanted Continents ...

Wanted CQ Zones ...

Wanted Grids ...

Wanted Prefixes ...

Wanted CQ Marathon ...

Ignored Callsigns ...

Scan Log and Rebuild ...

Manage Settings ... F11

Test Sound Card

Exit JTAlert

FT8 Band : 160 80 60 40 30 20 17 15 12 10

Callsign :

DXCC :

US State :

Name QTH Grid Cor

Country Name CQ ITU Cont. QSL

40 30 20 17 15 12 10 6 2 # : ✓ Wrk
: ✓ Cfm
:
:

JT-ALERT SETUP

JTAlert 2.16.4 Settings - KO8V - [Logging Enabled - N3FJP ARRL Field Day Contest Log]

Alerts

- Own Call
- CQ
- Wanted Prefix
- Wanted CQ Marathon
- Wanted US State
- Wanted VE Province
- Wanted DXCC
- Wanted Continent
- Wanted CQ Zone
- Wanted Grid
- Miscellaneous Alerts
- Alerts Priority
- Worked B4
- LoTW / eQSL(AG) Flags
- Filters
- Logging**
- Applications
- Window
- Miscellaneous
- Web Services
- Scan Log and Rebuild
- Sound Card
- Station Callsign
- Program Updates
- Software Usage License

Quick Enable / Disable Audio and Visual Alerts

ON <input checked="" type="checkbox"/> Own Call	ON <input checked="" type="checkbox"/> CQ
OFF <input type="checkbox"/> Wanted Call	OFF <input type="checkbox"/> Wanted Prefix
ON <input checked="" type="checkbox"/> Wanted US State	OFF <input type="checkbox"/> Wanted Grid
ON <input checked="" type="checkbox"/> Wanted VE Province	ON <input checked="" type="checkbox"/> Wanted Continent
ON <input checked="" type="checkbox"/> Wanted DXCC	OFF <input type="checkbox"/> Wanted CQ Marathon
ON <input checked="" type="checkbox"/> Wanted CQ Zones	OFF <input type="checkbox"/> User Defined Alert
OFF <input type="checkbox"/> Decode Keyword	

Quick Enable / Disable Audio only Alerts

OFF <input type="checkbox"/> Out of Shack	OFF <input type="checkbox"/> End of TX/RX Period
OFF <input type="checkbox"/> Start of TX Period	OFF <input type="checkbox"/> Rx Frequency
OFF <input type="checkbox"/> TX Watchdog	

Quick Enable / Disable Visual only Alerts

ON <input checked="" type="checkbox"/> LoTW Stripe/Flag	ON <input checked="" type="checkbox"/> Band Activity Display
OFF <input type="checkbox"/> Ignored Callsign	OFF <input type="checkbox"/> eQSL(AG) Stripe/Flag

Decoded Callsign Data Tooltip

ON <input checked="" type="checkbox"/> Enable	ON <input checked="" type="checkbox"/> Show all triggered Alerts
OFF <input type="checkbox"/> Show distance in Miles	

JTAlert by VK3AMA

Help OK Cancel Save

JT-ALERT SETUP

The screenshot shows the JTAlert 2.16.4 Settings window for user KO8V. The window title is "JTAlert 2.16.4 Settings - KO8V - [Logging Enabled - N3FJP ARRL Field Day Contest Log]".

Alerts: A tree view on the left shows various alert categories. The "ACLog" category is selected and circled in red.

Logging: The "ACLog" sub-category is selected. The "Enable ACLog Logging" checkbox is checked and circled in red. Other checked options include "Enable sending of new DX Call when first detected" and "Clear ACLog fields prior to logging".

ACLog Install Location: The "Remote Networked PC" radio button is selected and circled in red.

Local PC Configuration: This section contains a "Log File" text box and a "TCP Port" spin box.

Remote PC Configuration: This section contains a "PC IPv4 Address" text box with "127.0.0.1", a "TCP Port" spin box with "1100", and a "Log File" text box with "C:\Users\Joe\Documents\Affirmatech\N3FJP Software\...\LogData.mdb". The "Log File" text box is circled in red.

Log Type: A dropdown menu is set to "Field Day (Summer) Contest Log (Ver 6.0 or later)" and is circled in red.

At the bottom of the window, there are buttons for "Help", "OK", "Cancel", and "Save". The text "JTAlert by VK3AMA" is visible in the bottom left corner.

JT-ALERT SETUP

JTAlert 2.16.4 Settings - KO8V - [Logging Enabled - N3FJP ARRL Field Day Contest Log]

- Wanted Continent
- Wanted CQ Zone
- Wanted Grid
- Miscellaneous Alerts
 - Alerts Priority
 - Worked B4
 - LoTW / eQSL(AG) Flags
 - Filters
- Logging
 - Last QSO API
 - Log B4 Database
 - Standard ADIF File
 - DXLab DXKeeper
 - HRD V5/V6
 - Log4OM V1
 - Log4OM V2
 - ACLog
 - Log "Other" fields
- Applications
- Window
- Miscellaneous
- Web Services
 - TCP/IP Network Ports
 - Online Logbooks
 - Online XML Callbooks
 - Scan Log and Rebuild
 - Sound Card**
 - Station Callsign

[1] Speakers (4- BEHRINGER UMC202HD 192k)

***** DO NOT use the same Sound Card as WSJT-X *****

Sound Play Limit Period
No Limit Individual audio alerts will play once per time period.

Sound Schedule (UTC Hour)
 Apply to "Out Of Shack" audio alerts
When the JTAlert title-bar Sound menu is toggled to "Sound UTC", audio alerts will only be played during these enabled UTC hours. Untick the hours that sound is not to be played.

<input checked="" type="checkbox"/> 00	<input checked="" type="checkbox"/> 01	<input checked="" type="checkbox"/> 02	<input checked="" type="checkbox"/> 03	<input checked="" type="checkbox"/> 04	<input checked="" type="checkbox"/> 05	<input checked="" type="checkbox"/> 06	<input checked="" type="checkbox"/> 07
<input checked="" type="checkbox"/> 08	<input checked="" type="checkbox"/> 09	<input checked="" type="checkbox"/> 10	<input checked="" type="checkbox"/> 11	<input checked="" type="checkbox"/> 12	<input checked="" type="checkbox"/> 13	<input checked="" type="checkbox"/> 14	<input checked="" type="checkbox"/> 15
<input checked="" type="checkbox"/> 16	<input checked="" type="checkbox"/> 17	<input checked="" type="checkbox"/> 18	<input checked="" type="checkbox"/> 19	<input checked="" type="checkbox"/> 20	<input checked="" type="checkbox"/> 21	<input checked="" type="checkbox"/> 22	<input checked="" type="checkbox"/> 23

Test Sound Card
Volume 39% Test Play

JTAlert by VK3AMA

Help OK Cancel Save

JT-ALERT SETUP

JTAlert 2.16.4 Settings - KO8V - [Logging Enabled - N3FJP ARRL Field Day Contest Log]

- Miscellaneous Alerts
 - Alerts Priority
 - Worked B4
 - LoTW / eQSL(AG) Flags
 - Filters
- Logging
 - Last QSO API
 - Log B4 Database
 - Standard ADIF File
 - DXLab DXKeeper
 - HRD V5/V6
 - Log4OM V1
 - Log4OM V2
 - ACLog
 - Log "Other" fields
- Applications
- Window
- Miscellaneous
- Web Services
 - TCP/IP Network Ports
 - Online Logbooks
 - Online XML Callbooks
- Scan Log and Rebuild
- Sound Card
- Station Callsign**
- Program Updates
- Software Usage License

Callsign

The Station Callsign is recorded with each logged QSO and should be the same as setup in JT65-HF and WSJT-X. It is also used when sending spots to HamSpots.net and when sending text messages to other JTAlert users.

Station Callsign

Station Location

CQ Zone Gridsquare

ITU Zone

Desktop Shortcut

JTAlert can be started to use a different callsign than the current Station callsign. This can be used for guest operators. A suitable shortcut will be created on the Windows Desktop. Each callsign will have independent settings and wanted lists.

Additional Callsign

JTAlert by VK3AMA

RUNNING IT ALL

WSJT-X v2.1.2 by K1JT

File Configurations View Mode Decode Save Tools Help

Band Activity					Rx Frequency				
UTC	dB	DT	Freq	Message	UTC	dB	DT	Freq	Message
130230	4	0.9	1499	~ WB2HJQ KN4EUK -18	120830	-22	0.4	1318	~ LY3TW IZ6IOC JN62
130230	-18	0.1	1689	~ N9JA CO7HH RR73	120930	-24	0.2	1318	~ LY3TW IZ6IOC JN62
130230	-17	0.1	1793	~ KK5JY VE6RST 73	121215	-24	0.1	1319	~ CQ LY3TW KO14 Lithuania
130230	10	-0.2	701	~ W1W W5GOL EM25	121245	-24	0.2	1320	~ CQ LY3TW KO14 Lithuania
130230	-7	-1.0	836	~ B1CRA AA6XX DM13	121600	-3	0.2	1325	~ W2AOC WOPAS RR73
40m					40m				
130245	-3	0.2	2426	~ CQ KG5ZZB EM10 U.S.A.	121615	-19	-0.6	1325	~ WOPAS W2AOC 73
130245	-1	-0.6	595	~ W6GJW W2AOC R-15	122915	7	-0.0	1329	~ WW0WV K2HJ FN22
130245	-18	0.0	653	~ KN4EUK WB2HJQ R+09	123100	-17	-0.2	1316	~ <...> KN4MKX EM97
130245	-5	0.1	765	~ <N7GV/7QPAZP> KONC EN10	123130	-14	-0.2	1315	~ <...> KN4MKX EM97
130245	7	0.1	843	~ CQ KJ4GK EM83 U.S.A.	123200	-14	-0.2	1315	~ <...> KN4MKX EM97
130245	-11	1.3	1035	~ K5HYT KD4KK -07	123415	6	0.1	1315	~ WW0WV K2HJ R+00
130245	-10	0.1	1109	~ K9RCP KA5ZHG EL49	123445	7	-0.0	1315	~ WW0WV K2HJ 73
130245	2	0.1	1252	~ W6GJW W4FGA EM83	123530	-10	0.2	1325	~ N9SES WOPAS -03
130245	4	0.5	1375	~ CQ AE1T FN43 U.S.A.	123600	-5	0.2	1325	~ N9SES WOPAS -03
130245	2	-0.6	1479	~ CQ KB8TXZ EN82 U.S.A.	123630	-11	0.1	1325	~ N9SES WOPAS -03
130245	-12	0.1	1650	~ N9XCR VE2TDT RRR	123700	-9	0.1	1325	~ N9SES WOPAS -03
130245	-17	0.5	1902	~ VK5UR VE4YH RRR	123730	-13	0.0	1315	~ VK3FSPR <KN4MKX> 73
130245	-19	0.1	1950	~ KN4SQX W8GU EN90	123730	-15	0.1	1325	~ N9SES WOPAS -03
130245	-5	0.3	2071	~ CQ KK5JY EM16 U.S.A.	123800	-5	0.1	1325	~ N9SES WOPAS RR73
130245	-7	0.2	2130	~ CO7HH N9JA R-12	123830	-4	0.2	1325	~ CQ WOPAS EN91 U.S.A.
130245	1	0.4	2306	~ CQ DX KF5ASG EM12 U.S.A.	123900	-8	0.2	1325	~ CQ WOPAS EN91 U.S.A.
130245	1	-1.2	2371	~ CQ UW5EJX/MM	123930	-5	0.1	1325	~ KN4WBH WOPAS -14
130245	-16	-0.3	1210	~ CQ DX KG4IUS DM59 U.S.A.	124000	-3	0.1	1325	~ KN4WBH WOPAS RR73
130245	-11	0.1	2115	~ KO4CZM W3KM FN20	125045	-23	-0.0	1325	~ WB4DFW KV9Y EN41
40m					40m				
130300	-19	0.1	347	~ CQ K2AK DM41 U.S.A.	125115	-18	-0.0	1321	~ WB4DFW KV9Y EN41
130300	-22	0.1	459	~ DU3CQ KI7DJY DM34	125145	-24	-0.0	1320	~ WB4DFW KV9Y EN41
130300	12	-0.2	701	~ W1W W5GOL EM25	130045	-7	0.2	2426	~ CQ KG5ZZB EM10 U.S.A.
130300	-6	-0.0	877	~ VE4YH K8EIJR EM89	130103 Tx	1324	~ KG5ZZB KO8V 1E VA		
130300	-2	0.1	928	~ VE2TDT N9XCR 73	130115	-8	0.2	2426	~ CQ KG5ZZB EM10 U.S.A.
130300	-6	0.2	1155	~ DU1RS WW0WV RR73	130130 Tx	1324	~ KG5ZZB KO8V 1E VA		
130300	-17	0.1	1290	~ CQ N2YNE FN20 U.S.A.	130115	6	0.1	779	~ K8YV EN73 U.S.A.
130300	-13	-0.6	1364	~ KV9Y KO4MC EM55	130145	0	0.2	781	~ KD9KJX K8YV +01
130300	-1	0.9	1499	~ WB2HJQ KN4EUK -18	130200 Tx	1324	~ K8YV KO8V 1E VA		
130300	-24	0.0	1597	~ CQ KO4CZM EL96 U.S.A.	130145	-8	0.2	2426	~ CQ KG5ZZB EM10 U.S.A.
130300	-8	0.2	1826	~ YD2ULK N6GR RR73	130204 Tx	1324	~ KG5ZZB KO8V 1E VA		
130300	-16	-0.3	2207	~ K3YGC AE4IN -24	130215	-3	0.2	2426	~ CQ KG5ZZB EM10 U.S.A.
130300	9	0.0	2372	~ <UW5EJX/MM> WSGT EM12	130245	-3	0.2	2426	~ CQ KG5ZZB EM10 U.S.A.
130300	9	0.2	700	~ CQ W1W FN42 U.S.A.					
130300	-6	-0.2	892	~ N8AWG N2FHL FM29					
130300	-6	0.2	1479	~ KB8TXZ KG0GGY EN41					
130300	-12	0.2	1540	~ AE1T KD9ASC EN42					

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

40m **7.074 000** Tx even/1st Tx 1324 Hz Hold Tx Freq

DX Call: KG5ZZB DX Grid: EM10 Rx 2426 Hz Report -8 Call 1st

Az: 249 1176 mi **2020 May 02 13:03:21** **Field Day**

Looking up Add Auto Seq Call 1st

Receiving KO8V - Copy FT8 Last Tx: KG5ZZB KO8V 1E VA 6/15 WD:5m

Contest Log

Band	Freq(MHz)	Mode	Date & Time(UTC)	Call	Sent	Rcvd
1	40m	7.075	FT8	5/2/2020 13:02:33	KG5ZZB 1E VA	1E STX

WSJT-X v2.1.2 by K1JT - Log QSO

Click OK to confirm the following QSO:

Call	Start	End
KG5ZZB	02/05/2020 13:02:33	02/05/2020 13:02:33

Mode	Band	Rpt Sent	Rpt Rcvd	Grid	Name
FT8	40m	1E		EM10	

Tx power: 25 Retain

Comments: Retain

Operator:

Exch sent: 1E VA Rcvd: 1E STX

TADA - LOGGED

N3FJP's ARRL Field Day Contest Log 6.2
www.n3fjp.com

File Settings Band Mode View Network Operator Help

Current Band & Mode

Recent Contacts

○ Last 20 ● All

Score Statistics

Total CW Contacts	0
Total Phone Contacts	0
Total DIG Contacts	1
Total QSO Points	2
QSOs / Hr (Last 20 min)	3
QSOs / Hr (Last 60 min)	1

Rec	Call	Class	Sec	Date / Time	Bnd	Mode	Country	Initials	Operator
2	KG6ZZB	1E	STX	05/02 13:03	40	DIG	USA	JGD	KO8V

Call

Class

Section

Clear
Spot Last

Possible Duplicates

 Any Portion

DX	3	5	7	0
DX	DE MDC	AR NTX	AK NV	CO MO
1	EPA WPA	LA OK	AZ OR	IA ND
CT RI	4	MS STX	EWA UT	KS NE
EMA VT	AL SC	NM WTX	ID WWA	MN SD
ME WMA	GA SFL	6	MT WY	Canada
NH	KY TN	EB SCV	MI WV	AB NT
2	NC VA	LAX SDG	OH	BC ONE
ENY NNY	NFL VI	ORG SF	9	GTA ONN
NLI SNJ	PR WCF	PAC SJV	IL WI	MAR ONS
NNJ WNY		SB SV	IN	MB PE
				NL QC
				SK

Bearing:

Band: **40**
Mode: **DIG**
7.074000
KO8V
1E
VA

9:03:41 AM
13:03:41 UTC

OPERATIONAL TIPS

- Set the audio input level to the computer so that the bar is green all the time (some radios like my K3s do need AGC turned on)
- Pwr should be set so that your radio is just shy of ALC kicking in during transmit. Use with the Tune button.
- If running Search and Pounce the CQ only will declutter the Band Activity side.

TIPS – THE OPERATIONAL PANEL

The screenshot shows the operational panel of a radio software interface. Several elements are highlighted with red circles:

- Top Bar:** The **CQ only** checkbox, the **Monitor** button, and the **Tune** button.
- Frequency and Mode:** The frequency display showing **7.074 000** and the mode dropdown set to **40m**.
- Signal Strength:** A vertical bar graph on the left side of the interface.
- TX Settings:** The **Hold Tx Freq** checkbox and the **Auto Seq** checkbox.
- Message List:** A list of messages on the right side, including **KG5ZZB KO8V FM08**, **KG5ZZB KO8V 1E VA**, **KG5ZZB KO8V R 1E VA**, **KG5ZZB KO8V RR73**, **KG5ZZB KO8V 73**, and **CQ FD KO8V FM08**.
- Power Control:** A vertical slider on the far right labeled **Pwr**.

Other visible elements include the **DX Call** (KG5ZZB) and **DX Grid** (EM10) fields, the **2020 May 02 14:17:52** date and time display, and the **Receiving** status indicator at the bottom left.

TIPS – SETTING TX FREQUENCY

WSJT-X v2.1.2 by K1JT

File Configurations View Mode Decode Save Tools Help

Band Activity

UTC	dB	DT	Freq	Message
140630	-3	0.1	1566	VE6CV NSADO R-15
140630	-6	0.1	2310	VE3KAE KD9BIE EM69
----- 40m -----				
140645	7	0.1	951	W6RN K9MDW EN61
140645	-9	0.2	597	CQ K04DCR EL98 U.S.A.
140645	6	0.2	752	KC8RUO K9YV -08
140645	-4	0.1	842	CQ K34GK EM83 U.S.A.
140645	-11	0.1	1099	KZ4TN K4DVE RR73
140645	-10	-1.1	1202	W6FU KFSNA 73
140645	-8	0.1	1380	WA0IDK KE8HVL -16
140645	-14	0.1	1453	KJ4GK KF8BV EN41
140645	-18	0.1	1498	K4YT WSDTB RRR
140645	-24	0.1	1566	NSADO VE6CV -13
140645	-7	0.2	1667	N2IPH AISII R-12
140645	-3	0.0	1900	<K2H/SUF> WB2YDS -13
140645	-18	-1.3	1992	3D2TS NZ7M DN26
140645	-11	0.2	2070	CQ KK5JY EM16 U.S.A.
140645	-21	0.1	2212	W6FU N4KIN EL88
140645	-4	0.1	2370	CQ UW5EJX/MM
140645	12	0.3	2456	CQ KB1EFS FN42 U.S.A.
140645	-19	0.2	1038	HS10LQ K6QU R-03
----- 40m -----				
140700	-1	0.3	826	W40EQ WA9WYI R-19
140700	-24	0.1	917	WSDTB K4YT 73
140700	-23	-1.0	1099	K4DVE KE8NOL EN91
140700	-17	-0.6	1221	CQ NSBO EM60 U.S.A.
140700	-1	0.1	1566	VE6CV NSADO R-16
140700	15	0.1	1756	WB2QJ <K2H/SUF> +00
----- 40m -----				
140715	6	0.1	951	W6RN K9MDW EN61
140715	-2	0.2	752	KC8RUO K9YV -08
140715	-6	0.1	842	CQ K34GK EM83 U.S.A.
140715	6	0.1	1019	<K2H/SUF> WB2QJ R+06
140715	-12	0.1	1107	NSXZ K1SHDR -15
140715	-7	0.1	1380	WA0IDK KE8HVL -16
140715	-20	0.1	1453	KJ4GK KF8BV EN41
140715	-17	0.1	1566	NSADO VE6CV -13
140715	-9	0.2	1667	N2IPH AISII R-12
140715	-14	0.1	1846	KE7G WA8LE EN65
140715	-12	0.2	2070	CQ KK5JY EM16 U.S.A.
140715	-18	0.1	2212	W6FU N4KIN EL88
140715	-1	0.0	2370	CQ UW5EJX/MM
140715	13	0.2	2456	CQ KB1EFS FN42 U.S.A.
140715	-19	0.3	2650	VE2FZP AC4GJ R-24

Rx Frequency

UTC	dB	DI	Freq	Message
135115	-9	0.2	2426	CQ KGS2ZB EM10 U.S.A.
135145	-5	0.2	2426	CQ KGS2ZB EM10 U.S.A.
135215	-6	0.2	2426	CQ KGS2ZB EM10 U.S.A.
135245	-5	0.2	2426	W9AI KGS2ZB -03
135315	-6	0.2	2426	W9AI KGS2ZB RR73
135345	-11	0.2	2426	CQ KGS2ZB EM10 U.S.A.
135400	-16	0.1	2426	KGS2ZB KL7NW EN21
135415	-3	0.2	2426	CQ KGS2ZB EM10 U.S.A.
135445	-11	0.2	2425	KL7NW KGS2ZB -07
135515	-17	0.2	2426	KL7NW KGS2ZB RR73
135545	-13	0.2	2426	CQ KGS2ZB EM10 U.S.A.
135615	-12	0.2	2426	CQ KGS2ZB EM10 U.S.A.
135645	-11	0.2	2426	CQ KGS2ZB EM10 U.S.A.
135715	-16	0.2	2426	CQ KGS2ZB EM10 U.S.A.
135745	-6	0.2	2426	CQ KGS2ZB EM10 U.S.A.
135815	-4	0.2	2426	CQ KGS2ZB EM10 U.S.A.
135845	-3	0.2	2426	K9MDW KGS2ZB -11
135915	-4	0.2	2426	K9MDW KGS2ZB RR73
135945	-3	0.2	2426	CQ KGS2ZB EM10 U.S.A.
140015	-10	0.2	2426	CQ KGS2ZB EM10 U.S.A.
140045	-9	0.2	2426	NV8G KGS2ZB -12
140115	-3	0.2	2425	NV8G KGS2ZB RR73
140145	-6	0.2	2425	CQ KGS2ZB EM10 U.S.A.
140245	-5	0.2	945	NSBO KASZHG 73
140300	5	-0.6	946	CQ NSBO EM60 U.S.A.
140315	4	0.1	951	W6RN K9MDW EN61
140315	-8	0.3	943	CQ VE3KAE FN25 Canada
140330	2	-0.6	946	KF3W NSBO -01
140345	8	0.1	951	W6RN K9MDW EN61
140345	-6	0.3	943	CQ VE3KAE FN25 Canada
140400	-3	-0.6	946	KF3W NSBO RR73
140415	7	0.1	950	W6RN K9MDW EN61
140415	-10	0.3	943	CQ VE3KAE FN25 Canada
140430	-2	-0.6	946	CQ NSBO EM60 U.S.A.
140445	10	0.1	951	W6RN K9MDW EN61
140500	-2	-0.6	946	CQ NSBO EM60 U.S.A.
140515	8	0.1	951	W6RN K9MDW EN61
140530	-2	-0.6	946	CQ NSBO EM60 U.S.A.
140545	11	0.1	951	W6RN K9MDW EN61
140600	0	-0.6	946	CQ NSBO EM60 U.S.A.
140615	6	0.1	951	W6RN K9MDW EN61
140645	7	0.1	951	W6RN K9MDW EN61
140715	6	0.1	951	W6RN K9MDW EN61

Controls

40m 7.074 000

DX Call: KGS2ZB, DX Grid: EM10

Az: 249, 1176 mi

2020 May 02 14:07:44

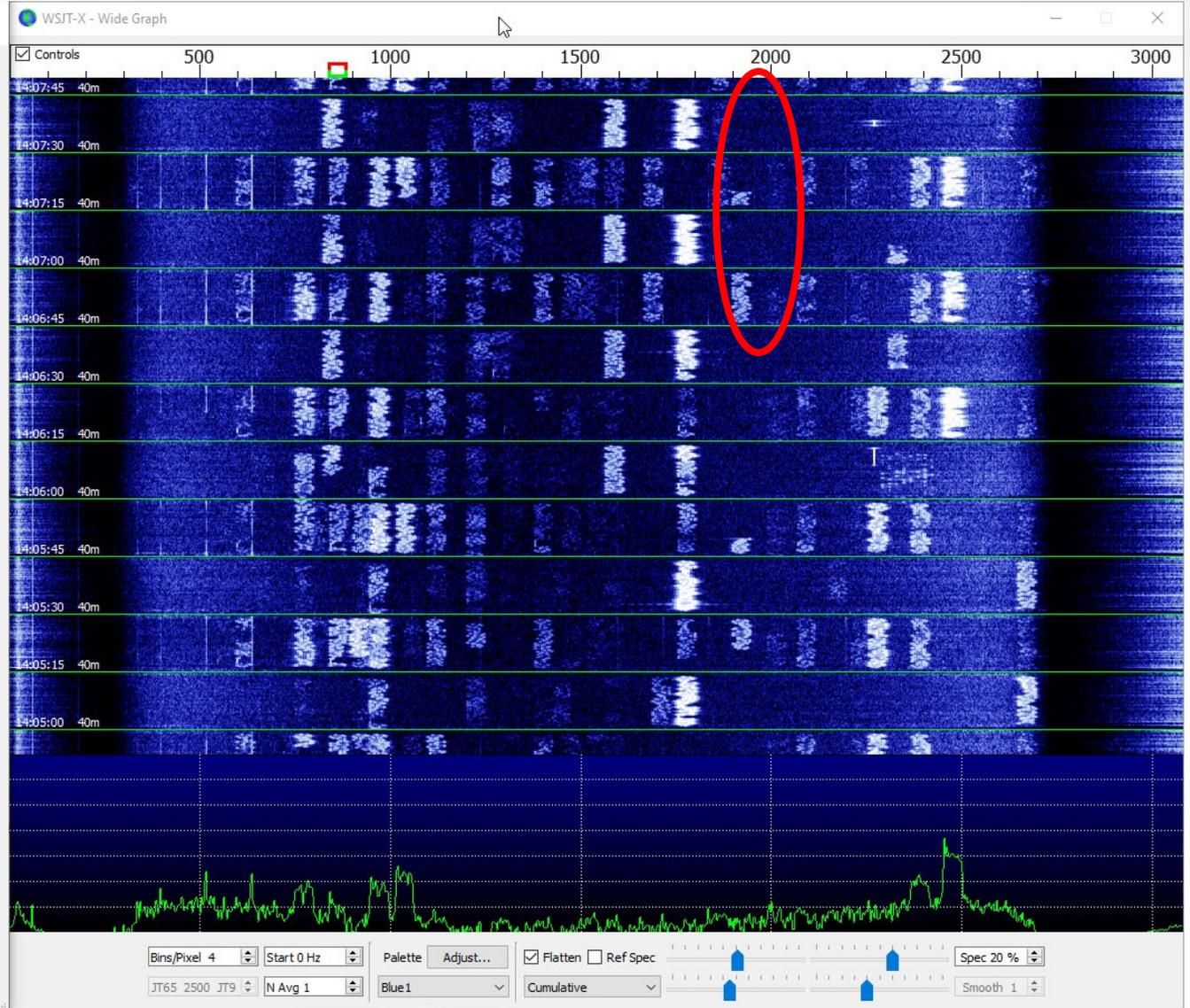
Field Day

Log QSO Stop Monitor Erase Decode Enable Tx Halt Tx Tune

Generate Std Msgs

Msg	Next	Now
KGS2ZB K08V FM08	<input type="radio"/>	Tx 1
KGS2ZB K08V IE VA	<input checked="" type="radio"/>	Tx 2
KGS2ZB K08V R IE VA	<input type="radio"/>	Tx 3
KGS2ZB K08V RR73	<input type="radio"/>	Tx 4
KGS2ZB K08V 73	<input type="radio"/>	Tx 5
CQ FD K08V FM08	<input type="radio"/>	Tx 6

Receiving K08V - Copy FT8 Last Tx: KGS2ZB K08V IE VA 14/15 WD:6m



TIPS – SETTING TX FREQUENCY

WSJT-X v2.1.2 by K1JT

File Configurations View Mode Decode Save Tools Help

Band Activity

UTC	dB	DI	Freq	Message	Rx Frequency
140715	-6	0.1	842	CQ KJ4GK EM83 U.S.A.	135145
140715	6	0.1	1019	<K2H/SUF> WB2QJ R+06	135215
140715	-12	0.1	1107	NSXZ K1SHDR -15	135245
140715	-7	0.1	1380	WA0IDK KESHVL -16	135315
140715	-20	0.1	1453	KJ4GK KOFBV EN41	135345
140715	-17	0.1	1566	NSADO VE6CV -13	135400
140715	-9	0.2	1667	N2IPH AI5II R-12	135415
140715	-14	0.1	1846	KE7G WA8LE EN65	135445
140715	-12	0.2	2070	CQ KK5JY EM16 U.S.A.	135515
140715	-18	0.1	2212	W6FU N4KIN EL88	135545
140715	-1	0.0	2370	CQ UW5EJX/MM	135615
140715	13	0.2	2456	CQ KB1EFS FN42 U.S.A.	135645
140715	-19	0.3	2650	VE2FZP AC4JG R-24	135715
140730	4	0.3	826	W4OEO WA9WYI R-19	135745
140730	-22	0.1	917	CQ K4YT EM19 U.S.A.	135815
140730	-15	-0.9	1098	K4DVE KESNQL EN91	135845
140730	-13	-0.6	1221	CQ NSBO EM60 U.S.A.	135915
140730	-17	-0.1	1270	NSNXZ NSXZ -20	135945
140730	1	0.1	1566	VE6CV NSADO R-13	140015
140730	14	0.1	1756	<WB2QJ> K2H/SUF RRR	140045
140730	-24	0.2	2595	AC4JG VE2FZP RR73	140115
140730	-19	-0.3	1208	WAIHEW KG4IJS RRR	140145
140730	-24	0.1	1300	KESHVL WA0IDK R-17	140245
140730	-22	-0.0	1847	WA8LE KE7G -15	140300
140745	-4	0.1	842	CQ KJ4GK EM83 U.S.A.	140315
140745	-12	0.2	597	CQ KO4DCR EL98 U.S.A.	140315
140745	1	0.2	752	KCSRUO K3YV -08	140330
140745	5	0.2	951	W6RN K9MDW EN61	140345
140745	12	0.1	1019	K2H/SUF <WB2QJ> 73	140400
140745	-15	0.1	1107	NSXZ K1SHDR -15	140415
140745	-13	0.1	1269	NSXZ NSNXZ EM22	140415
140745	-15	0.1	1380	WA0IDK KESHVL RR73	140415
140745	-12	0.1	1499	KESNQL K4DVE +05	140430
140745	-19	0.1	1566	NSADO VE6CV -13	140445
140745	-20	0.2	1635	3W1T N6PSE CM97	140500
140745	-13	0.1	1846	KE7G WA8LE R-03	140515
140745	-15	-1.3	1991	3D2TS NZ7M DN26	140530
140745	-14	0.2	2070	WDSHKK KK5JY -24	140545
140745	-20	0.1	2213	W6FU N4KIN EL88	140600
140745	0	0.0	2370	CQ UW5EJX/MM	140615
140745	12	0.1	2456	CQ KB1EFS FN42 U.S.A.	140645
140745	-24	0.1	1453	KJ4GK KOFBV EN41	140715
					140745

40m

CQ only Log QSO Stop Monitor Erase Decode Enable Tx Halt Tx Tune Menu

40m 7.074 000 Tx even/1st Tx 1931 Hz Hold Tx Freq

DX Call DX Grid KGSZZB EM10 Az: 249 1176 mi Report -8

Lookup Add Auto Seq Call 1st Field Day

2020 May 02 14:08:05

Receiving KO8V - Copy FT8 Last Tx: KGSZZB KO8V IE VA 5/15 WD:5m

WSJT-X - Wide Graph

Controls 500 1000 1500 2000 2500 3000

14:08:00 40m

14:07:45 40m

14:07:30 40m

14:07:15 40m

14:07:00 40m

14:06:45 40m

14:06:30 40m

14:06:15 40m

14:06:00 40m

14:05:45 40m

14:05:30 40m

14:05:15 40m

Bins/Pixel 4 Start 0 Hz Palette Adjust... Flatten Ref Spec Spec 20 %

JT65 2500 JT9 N Avg 1 Blue1 Cumulative Smooth 1