

*How do I?*

*An occasional series*

*This week: Fun with N3FJP Logs-Field Day edition*

The annual ARRL Field Day is a great time to meet, socialize, and get on the air! The popular event always takes place the fourth full weekend of June. A large part of Field Day revolves around contesting.

Part of contesting entails submitting a permanent record of the two-way radio contacts you made with other ham radio operators during the contest. Ham Operators use the word “log” to describe their records. Submitting a log is so much easier when you capture the data electronically. Today we will take a look at the N3FJP Field Day Contest Log software.

Rec	Call	Class	Sec	Date / Time	Bnd	Mode	Country	Initials	Operator
24	W3OC	4A	WPA	06/27 14:17	40	PH	USA	FCM	KB3PQT
23	KB8UHN	1B	OH	06/27 14:10	40	PH	USA	FCM	KB3PQT
22	W2RC	2A	NLI	06/27 14:05	40	PH	USA	FCM	KB3PQT
21	KM8G	1E	WV	06/27 13:59	40	PH	USA	FCM	KB3PQT
20	AD1T	5A	NH	06/27 13:54	40	PH	USA	FCM	KB3PQT
19	W4UG	3A	VA	06/27 13:51	40	PH	USA	FCM	KB3PQT
18	W9VRC	5A	WI	06/27 13:48	20	PH	USA	FCM	KB3PQT
17	K5BRC	2A	AR	06/27 13:45	20	PH	USA	FCM	KB3PQT
16	W4K1	1D	ME	06/27 13:40	20	PH	USA	FCM	KB3PQT

Call	Class	Section

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	8	AB NT
2	NC VA	LAX SDG	MI WV	BC ONE
ENY NNY	NFL VI	ORG SF	OH	GTA ONN
NLI SNJ	PR WCF	PAC SJV	9	MAR ONS
NNJ WNY		SB SV	IL WI	MB PE
			IN	NL QC
				SK

Bearing: , Miles: , Band: 40, Mode: PH, 7.181320, KB3PQT, 1D, EPA, 10:18:38 AM, 14:18:38 UTC

Scott Davis, N3FJP, and his company Affirmatech, have a remarkably low priced, comprehensive suite of software logging programs. They work well. His Field Day Contest Log was the first or second logging program he created.

The logging application is a straight-forward Windows program, and the setup is consistent across all of his contest logs. So if you use the Field Day Contest Log, you will be equally at home with the State QSO Party Log and other N3FJP contest logs.

Once you install the program, use the SETTINGS button on the ribbon to set up the station name, location, operator name, etc. When you hear another ham radio operator announce his call sign, enter it in the CALL box in the left middle. Next, enter the Contest Exchange as you learn it, or make contact. When done press <ENTER> and you have logged a permanent record of this radio contact.

Your raw score and stats are continually recalculated and displayed in the top right corner.

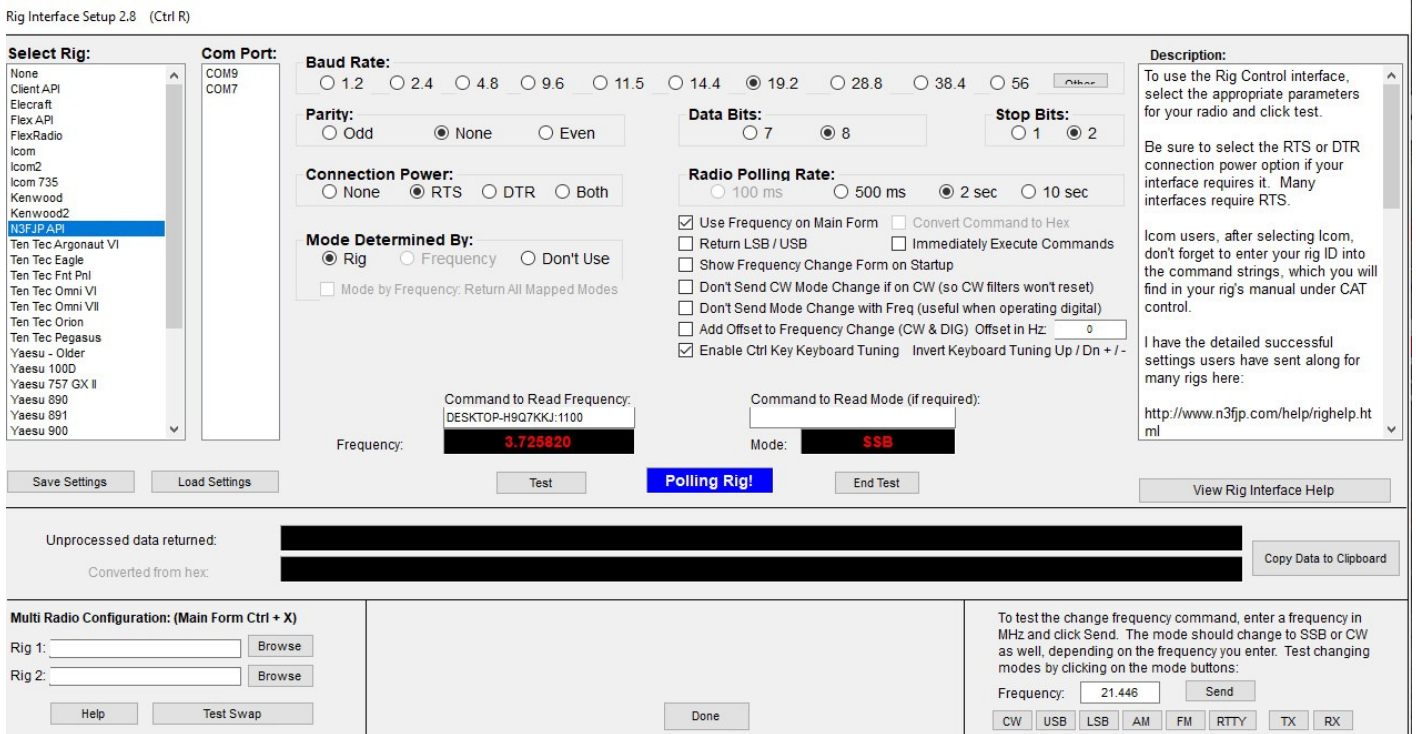
As you work a new ARRL Section, the Section Name is hi-lighted in blue in the bottom right of the screen. Not familiar with all 85 Section Names? Hover your mouse over any of the abbreviations and its expanded name appears.

Wondering whether you previously worked someone on the same band? The program will tell you! See the red box above.

Your current band and mode are displayed along the bottom. To manually change bands, click on the BAND button in the top ribbon and select the new band.

See the frequency in the bottom ribbon? If you are NOT using CAT control, the operating frequency will not appear there.

If you go to SETTINGS > RIG INTERFACE SET UP the following screen appears:



### 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:

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

TCP API Enabled (Server) Port

Server Running = False  
Port = 1100

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### 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

Host  Port

Enable Entity Confirmation Check via API

Connected

Go to your N3FJP Amateur Call Log application and select RIG INTERFACE. Here you will select your radio and the related settings. The AC Call Log interfaces with the radio and relays data from the radio to the Field Day log.

You will need to turn on the API in Amateur Call Log so it talks to the Field Day Contest Log.

Rig Interface Setup 2.8 (Ctrl R)

**Select Rig:**

- 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
- Yaesu 1000
- Yaesu 1000 D
- Yaesu - Newer**

**Com Port:**

- COM9
- COM7

**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 Hz:

Enable Ctrl Key Keyboard Tuning | Invert Keyboard Tuning Up / Dn +/-

Block Band Overlap

**Command to Read Frequency:**

FA:

**Command to Read Mode (if required):**

MD:

**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>

Save Settings Load Settings Test **Polling Rig!** End Test View Rig Interface Help

Unprocessed data returned: **FA03725020;**

Converted from hex:

**Multi Radio Configuration: (Main Form Ctrl + X)**

Rig 1:

Rig 2:

Rig 3:

Help Test Swap Done

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:

When the contest is over you can generate the necessary files to submit with your entry. You can also export your Field Day Contest Log using .ADIF format, then import the log into your Amateur Call Log so that all of your radio contacts will be accessible in one place.

Catch 'ya on the air!

KB3PQT