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.

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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:

Select Rig:	Com Port:	Baud Pate:		Description:
None Client API	COM9 COM7		0 14.4 • 19.2 0 28.8 0 38.4 0 56 Other	To use the Rig Control interface, select the appropriate parameters
Elecraft Flex API FlexRadio		Parity: O Odd None O Even	Data Bits: Stop Bits: ○ 7 ● 8 ○ 1 ● 2	for your radio and click test.
icom icom2 icom 735 Ken wood		Connection Power: O None RTS O DTR O Both	Radio Polling Rate: O 100 ms O 500 ms O 2 sec O 10 sec	connection power option if your interface requires it. Many interfaces require RTS.
Kenwood2 NSI-IP API Ten Tec Argonaut VI Ten Tec Capiton Ten Tec Capiton Ten Tec Comi VII Ten Tec Orion Ten Tec Pegasus Yaesu - Older Yaesu JODD Yaesu 350 Yaesu 350 Yaesu 900	~	Mode Determined By: Rig Frequency Don't Use Mode by Frequency: Return All Mapped Modes Command to Read Frequency: DESKTOP-H907KKU:1100 Frequency: 3.725920	Use Frequency on Main Form Convert Command to Hex Return LSB / USB Immediately Execute Commands Show Frequency Change Form on Startup Dont Send Wode Change if on CW (so CW filters wont reset) Dont Send Mode Change with Freq (useful when operating digital) Add Offset to Frequency Change (CW & DIG) Offset in Hz Command to Read Mode (if required): Mode: SSB	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.ht ml
Save Settings	Load Settings	Test	Polling Rig! End Test	View Rig Interface Help
Unprocessed data Converted 1 Multi Radio Configuratio Rig 1:	a returned: from hex: on: (Main Form Ctrl +) Brow Brow	() se se	To test the change fre MHz and click Send. as well, depending or modes by clicking on Frequence. 2144	Copy Data to Clipboard quency command, enter a frequency in The mode should change to SSB or CW the frequency you enter. Test changing the mode buttons:

ncluding other N3FJP Software programs, to connect to this one.	^
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!	Ì
f 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 1100	
Server Running = False	
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Client - Only use this to connect to another N3E.IP progra	m
Client - Only use this to connect to another N3FJP progra	m
Client - Only use this to connect to another N3FJP progra 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.	m
Client - Only use this to connect to another N3FJP progra 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	m ^
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Client - Only use this to connect to another N3FJP progra 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 DESKTOP-H9Q7KKJ Port 1100 Catalog Enable Entity Confirmation Check via API	im V

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 (Cf	trl R)				
Select Rig:	Com Port:	Baud Rate:			Description:
Icom2 Icom 735 Kenwood Kenwood2 N3FJP API Ten Tec Argonaut VI Ten Tec Fagle Ten Tec Fnt PhI Ten Tec Omi VI	COM9 COM7	○ 1.2 ○ 2.4 ○ 4.8 ○ 9.6 ○ 11.5 Parity: ○ Odd ● None ○ Even Connection Power: ○ None ● RTS ○ DTR ● Both	5 0 14.4 19.2 0 28.8 0 38.4 Data Bits: 0 7 8 Radio Polling Rate: 0 100 ms 500 ms 9 		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 interface requires it.
Ten Tec Omini VII Ten Tec Orion Ten Tec Croin Ten Tec Pegasus Yaesu - Older Yaesu 100D Yaesu 757 GX II Yaesu 890 Yaesu 900 Yaesu 920 Yaesu 930 Yaesu 930 Yaesu 940 Yaesu 1000 Yaesu - Newer	×	Mode Determined By: Rig Frequency Don't Use Mode by Frequency: Return All Mapped Modes Command to Read Frequency: Frequency: Frequency: State	Use Frequency on Main Form Convert Use Frequency Change Form on Startup Don't Send CW Mode Change if on CW (so C Don't Send Mode Change with Freq (useful v Add Offset to Frequency Change (CW & DIG) Enable Cttl Key Keyboard Tuning Invert Ke Block Band Overlap Command to Read Mode (if required MO0; Mode: SSB	Command to Hex tely Execute Commands CW filters won't reset) vhen operating digital) offset in Hz 0 yboard Tuning Up / Dn + / - d):	Internaces require KTS. 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.ht ml
Save Settings Load Settings		Test	Test Polling Rig! End Test		
Unprocessed data I Converted fro	returned: om hex:		FA03725820;		Copy Data to Clipboard
Multi Radio Configuration Rig 1: C:Users/wests/My Documer Rig 2: Rig 3: Help	n: (Main Form Ctrl + X ns/Mirmatech/N3F.) Brown Brown Brown Test Swap) se se	Done	To test the change freq MHz and click Send. T as well, depending on modes by clicking on t Frequency: 21.44 CW USB LSB	uency command, enter a frequency in he mode should change to SSB or CW the frequency you enter. Test changing he mode buttons: 6 Send AM FM RTTY TX RX

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