How do 1?

## An occasional series

## This week: N3FJP Contest Logs How does Scott think of all this stuff? Easy Peasey CAT control!

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N3FJP Amateur Contact Log (AC Log)

Scott Davis, N3FJP and his Affirmatech business created and offer the Amateur Contact Log (AC Log), a general purpose QSO logging application, as well as a large collection of other contest logging software.

In order to help with your logging the correct band and mode, Scott has a built a rig interface into the applications.

I use the N3FJP AC Log as my main logging program. By going to SETTINGS > RIG INTERFACE I can select my radio, the COM Port my PC is using, and the appropriate CAT (Computer Assisted Transceiver) settings such as Baud Rate, Parity, Data Bits, Stop Bits, Connection Power, and Radio Polling Rate. You can find a lot of good information about the specific settings for many popular radios at: <u>https://www.n3fjp.com/help/righelp.html</u>

This Rig Interface helps ensure that the AC Log application records the correct band, mode and frequency for each general contact. But what if I want to enter a contest? Some contest rules are simple: one band or one mode. In other contests, virtually anything, except the WARC bands, is fair game. This is where Scott's software is so cool! Let me tell you why.

This past weekend was the ARRL 10 Meter Contest. I downloaded the N3FJP contest logging software and installed it on my PC. Instead of having to remember the correct Rig Interface settings to connect to the radio, I simply started AC Log, minimized it, then opened the ARRL 10 Meter Contest Log and select N3FJP API as the transceiver and presto! I was able to see the mode and frequency in the 10 Meter Contest Log.

If I was operating in a contest that allows multiple bands or modes, when I change bands on the radio, the change will be reflected in the log. If I change bands in the log, it changes the radio to match!

Catch 'ya on the air! Frank, KB3PQT

Screen snapshot samples appear on the following pages.

## In N3FJP Amateur Contact Log Application...

Go to Settings, Rig Interface.

Select your own Rig and your own Com Port.

Answer the questions appropriately for your radio.

See http://www.n3fip.com/righelp.html for assistance with many popular rigs.

Select Rig: Co	om Port: Baud Ra	te:			Description:		
Elecraft ^ CC	OM3 OM4 © 1.2	◎ 2.4 ◎ 4.8 ◎ 9.6 ◎ 11.5	To use the Rig Control interface, select the appropriate parameters				
FlexRadio CC Icom Icom2 Icom 735	Parity: Odd	None O Even	Stop Bits: 0 1   2	for your radio and click test. Be sure to select the RTS or DTR			
Kenwood Kenwood2 N3FJP API Ten Tec Argonaut VI	Connect © Non	ion Power: ∋ ● RTS ◎ DTR ◎ Both	Radio Polling Rate: © 100 ms © 500 ms © 2	sec	connection power option if your interface requires it. Many interfaces require RTS.		
Ten Tec Eagle Ten Tec Frit PhI Ten Tec Ornni VI Ten Tec Ornni VI Ten Tec Ornni VI Ten Tec Pegasus Yaesu - Older Yaesu 100D Yaesu 1757 GX II	Mode De Rig	termined By: © Frequency © Don't Use by Frequency: Return All Mapped Modes	Use Frequency on Main Form Return LSB / USB Convert Co Convert Convert Co Convert Convert Convert Co Convert Convert Convert Co Convert Convert Co Convert Convert Co Convert Convert Co Co Convert Co Co Convert Co Co Convert Co C	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			
Yaesu 890 Yaesu 891 Yaesu 900 Yaesu 920			Enable Ctrl Key Keyboard Tuning     Invert Keyb				
Yaesu 920A Yaesu 990 Yaesu 991 Yaesu 1000	Fre	Command to Read Frequency: 00 00 00 02 10 ency: 1.80242	Command to Read Mode (if required): Mode: CW				
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Converted from hex:		04 00	2C 01 28 00 00 02 21 00 21 21 11 21 11 00		Copy Data to Clipboard		
Multi Radio Configuration: (Main Fo	orm Ctrl + X) Browse			To test the change freque click Send. The mode si depending on the freque on the mode buttons:	ency command, enter a frequency in MHz and hould change to SSB or CW as well, ncy you enter. Test changing modes by clicking		
Rig 3: Help Te:	Browse st Swap		Done	Frequency: 21.4 CW USB LSB	46 Send AM FM RTTY TX RX		

Go to Settings, Application Programming Interface (API) Check the Box as shown below to enable this API functionality.



There is a lot of good information on this screen. Scroll around and read, as you wish.

## In the N3FJP Contest Logging application of your choice...

Go to Settings, Rig Interface. Select N3FJP API as the Rig. Select the Com Port as used by your own PC.



Go to Settings, Application Programming Interface (API) The N3FJP software will know the name of the Host PC on which it is running. Check the Box as shown below to enable this API functionality.

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 HP-P7-1380T Port 1100							
Inable Entity Confirmation Check via API							

There is a lot of good information on this screen. Scroll around and read, as you wish.