Icom 7610 Rig Control N3FJP Amateur Contact Log and Fldigi

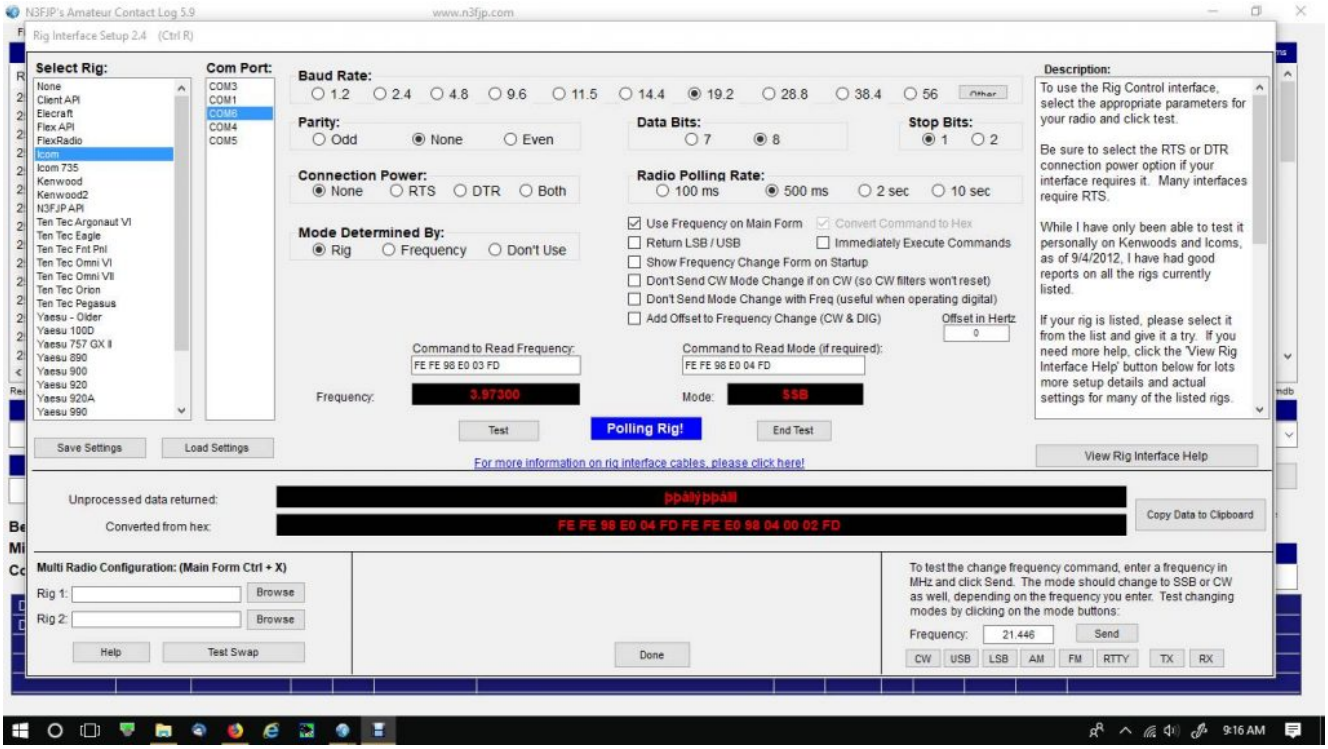
Icom 7610 rig control problems? Having trouble finding software for the Icom 7610? If you are a fan of N3FJP software and Fldigi then this is for you. This works for the Icom IC-7300 too. Amateur Contact Log is easy to configure for the Icom 7610 and Fldigi integrates with it beautifully! Fldigi logs right into AC Log. Wow, what a great combo!

As of the writing of this post, Icom 7610 owners have to look at rig control alternatives for the Icom IC-7610. Currently Flrig, HamLib and RigCAT do not have files for the Icom 7610.

Icom 7610 Rig Control Using N3FJP Amateur Contact Log

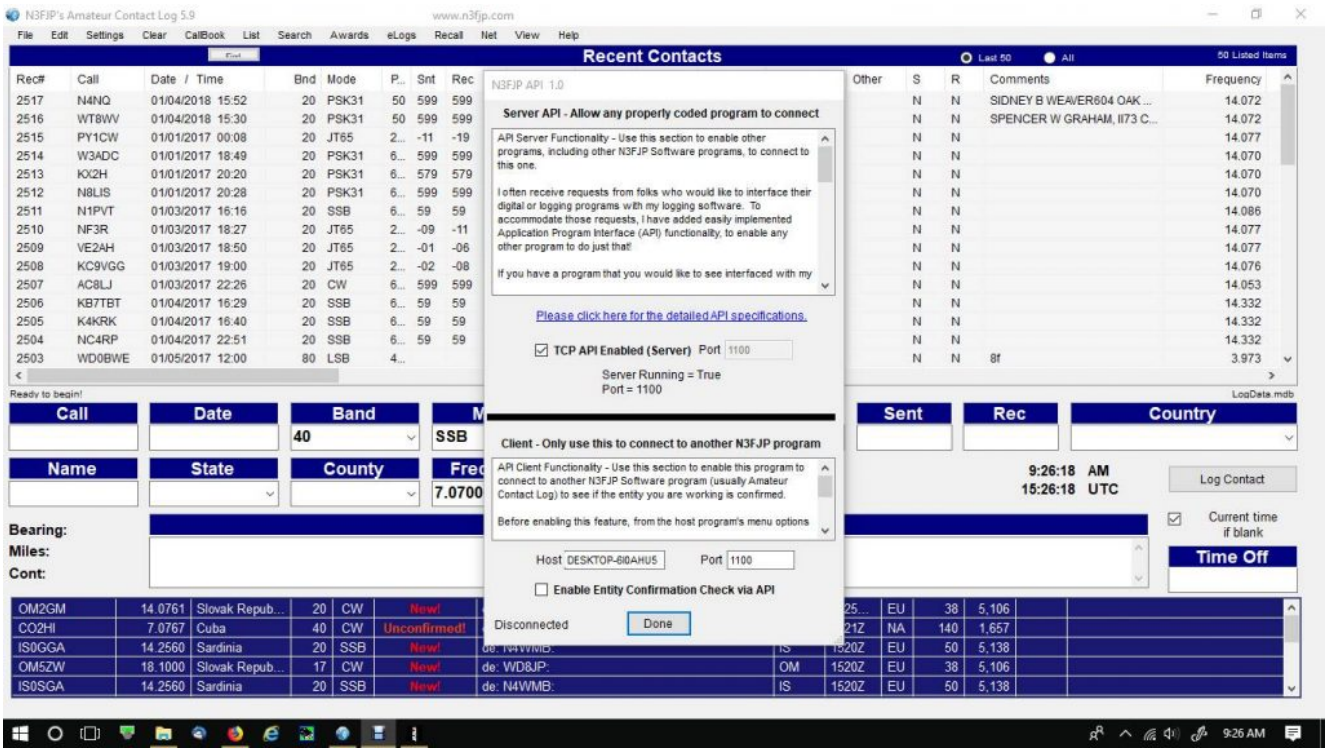
It’s easy to configure N3FJP’s Amateur Contact Log for the Icom IC-7610. Especially if you are replacing a previous radio. Just change the CI-V address in ACLog under Rig Interface to 98 for the IC-7610. *Change it to 94 for the IC-7300.*

For Icom 7610 rig control choose the correct Com Port, Baud Rate and change the Command to Read Frequency CI-V address to 98, Don’t forget the other side, Command To Read Mode. It needs to be 98 too. Try it.



Click for a larger image.

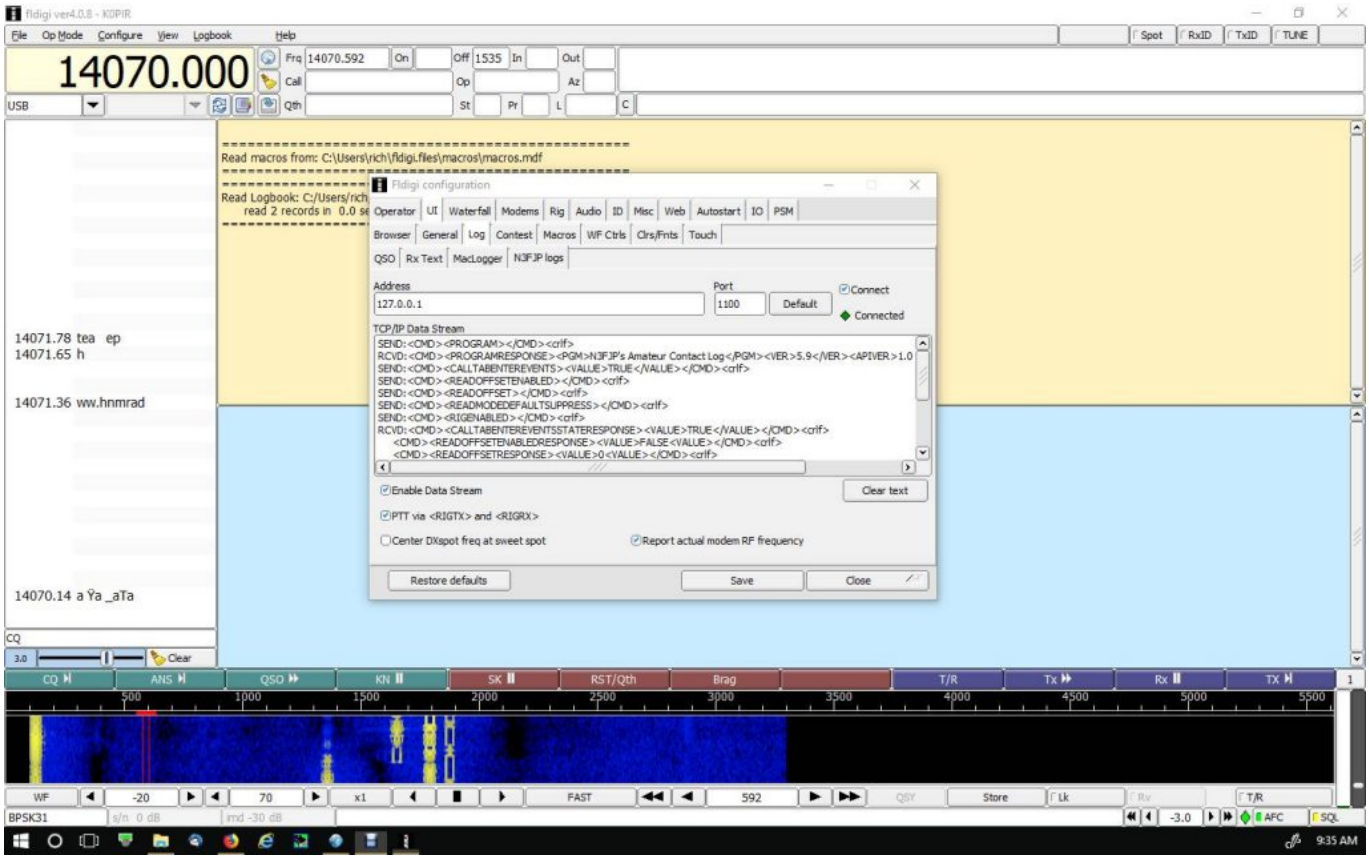
For Fldigi to communicate and follow AC Log, enable the Application Program Interface (API) Server in ACLog.



Click for a larger image.

Fldigi Configuration with N3FJP

Open Fldigi and go to the Fldigi configuration window. Enable a couple of things and you're off and running. See the video below for more.



Icom 7610 Connected to ACLog with Fldigi

Since the Icom 7610 is not an entry level radio, I am guessing you are already familiar with how ACLog and Fldigi operate. If you are not familiar, see the video below. I'll go into a little more detail.

When making a contact using Fldigi, Fldigi will save the QSO to ACLog automatically. They intergrate perfectly.

Tune the Icom 7610 to change frequency and both programs follow.

Log a PSK31 (or any digital mode) and the contact/QSO information correctly transfers to AC Log. *Note: You'll have*

to enter your correct power in ACLog, but everything else will be fine.

Have you been using Fldigi with the 7610? What are you using to connect to the radio?

Icom 7610 N3FJP Fldigi Integration Video

BONUS Photos: Icom 7610 Menu Settings

You can see this in my other videos. Ham Radio Deluxe Setup and Icom 7610 N1MM One Cable RTTY CW – How To.

Captures from my IC-7610

The first row and bottom 2 photos on the left are important for this application. *Note: The capture on the top far right (USB SEND/KEYING), I have set these so I can use my USB cable for RTTY (FSK). This will not be necessary for you in this application. It won't hurt anything though.*

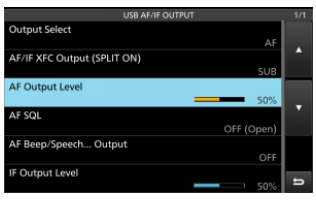
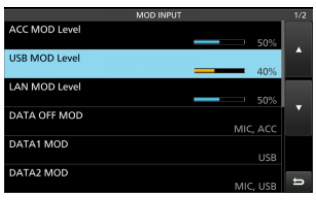
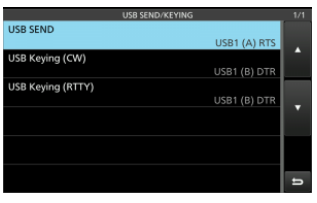
IMPORTANT: The bottom 2 on the right (TX DELAY & CW-KEY SET) are needed if you run an amplifier and CW QSK.

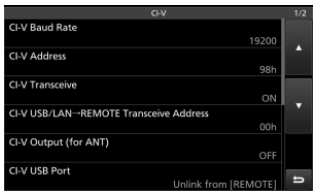
Push Menu>SET>Connectors for the first 6 captures (top row and two left captures on the bottom row).

Push Menu>SET>FUNCTION to set the TX Delay.

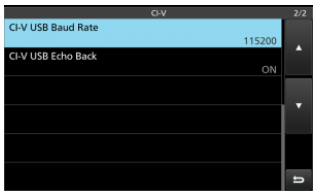
To change the CW Rise Time. Go into CW Mode, push Menu, KEYER and EDIT/SET. Tap CW-KEY SET and increase the Rise Time.

Click for a larger image.

			
AF Output Level stayed at 50% for recording data signals.	DATA OFF MOD stays at MIC,ACC and **DATA1 MOD IS USB**	Unnecessary until you want to operate thru a LAN.	I use this for RTTY (FSK) It works for this application too.



My CI-V is 19200. We are using Unlink from [REMOTE]



CI-V Baud Rate 115200. **CI-V Echo Back ON**

TX DELAY for using an amplifer (yours may vary)

CW Rise Time for QSK

Sources

[N3FJP]

[Fldigi]

[Sherwood Engineering HF Test Results – Icom 7610]

IMPORTANT: IF YOU DRIVE A LINEAR AMPLIFIER WITH YOUR ICOM 7610, INCREASE YOUR TX DELAY TO AT LEAST 10MS. MINE IS SET TO 20MS BECAUSE I USE AN AMERITRON AL-811. PG 8-3 ICOM 7610 BASIC MANUAL. (See Sherwood link above)

I hope you find this informative and useful. If you have a problem, please don't hesitate to comment below. May DX be with you. – Rich, K0PIR