

FT8 using WSJT-X on a laptop equipped with a Digirig Mobile and an Icom IC-706-MKii

Before starting to use WSJT-X, delete the old records from your last outing, so they will not be duplicated in your log.

- If you will be activating multiple parks, back the files for the individual parks to a thumb drive, then follow the next two steps.
- Using Windows File Explorer on the POTA Logging PC, navigate to the directory “C:\Users\nd4x\AppData\Local\WSJT-X”.
- Then, on the POTA Logging PC delete the files “ALL.TXT”, WSJT.LOG” and WSJT_X_LOG.ADI”.

Activate the park using WSJT-X as normal.

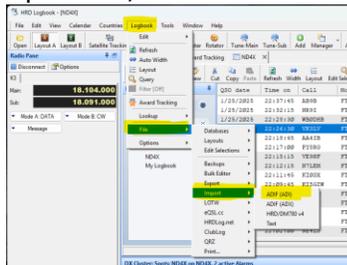
The individual ADI files from the FT8 POTA activation (WSJT_X_LOG.ADI) to upload into Ham Radio Deluxe (and then to LoTW from Ham Radio Deluxe), and also to POTA, are created automatically in the C:\Users\nd4x\AppData\Local\WSJT-X directory.

To load your contacts into Ham Radio Deluxe after the activation:

Copy the “C:\Users\nd4x\AppData\Local\WSJT-X\ WSJT_X_LOG.ADI” file(s) from above to a USB drive on the laptop.

Insert the flash drive into the main home computer.

Open HRD, and then click on the “Logbook” option on the logging menu bar, File, Import, ADIF (ADI).



Click on the file name on your flash drive, and say open, the file will then be read. After it is read, click on “Save To Database”.

Click OK and Finish. You will now see the files in HRD. The USB file is also what you will upload to POTA.

WSJT-X Settings:

COM7

BAUD RATE- 9600

DATA BITS- 8

STOP BITS- 1

HANDSHAKE- None

FORCE CONTROL LINES- Both blank

PTT- RTS

PORT- COM7

MODE- USB

SPLIT OPERATION- FAKE IT

IC-706MKII2G Initial Mode Settings:

- To view or change Initial Mode Values:
- Push and hold LOCK (bottom left of the main tuning knob), and then while holding LOCK, press POWER (top left button). When the radio powers on, you can release both buttons.
- The UP / DOWN arrows to the right of the main tuning knob will cycle through the values.
- To change a value, rotate the main tuning knob to select the desired value.
- Once the changes have been made or reviewed, to exit Initial Mode Settings and save the selected values, hold the power button for two seconds. The radio will power off, and when restarted your values will have been saved.

Recommended Values:

01	Beep	ON	15	Quick Split	ON
02	Band Beep	ON	16	SPL Offset	0
03	Auto Off	OFF	17	Dup Offset	600
04	Peak Hold	ON	18	Split Lock	OFF
05	Back Light	HIGH	19	Opt. Fil 1	NO
06	Speech Lang	ENG	20	OPT. Fil 2	NO
07	SPEECH SPD	HI	21	RF Gain	ON
08	S-Lvl Spch	ON	22	AM NB	ON
09	Scan Resume	ON	23	Pwr On Chk	ON
10	Scan Speed	HI	24	Sub Dial	RIT
11	U/D Speed	HI	25	CI-V Address	4EH
12	A-Tune Strt	OFF	26	CI-V Baud	Auto
13	PTT Tune	OFF	27	CI-V TRN	OFF
14	Pad CH	5	28	CI-V 731	OFF

IC-706MKII2G Quick Set Mode Settings:

- To view or change Initial Mode Values:
- With the radio on, push the DISPLAY button (to the left of the main tuning knob) for 2 seconds.
- Quick Set items displayed depend on the mode the radio is in, not all items will show for all modes.
- The UP / DOWN arrows to the right of the main tuning knob will cycle through the values.
- To change a value, rotate the main tuning knob to select the desired value.
- Once the changes have been made or reviewed, to exit Quick Set Mode, push the DISPLAY button momentarily.

Recommended Values:

Q0	Mode Select (<i>All Modes</i>)	ON	Q4	Carrier Frq (<i>SSB Only</i>)	0
Q1	RF Power (<i>All Modes</i>)	H	Q4	RTTY Keying (<i>RTTY Only</i>)	N
Q2	Mic Gain (<i>SSB/AM/FM Only</i>)	6	Q4	Rptr Tone (<i>FM Only</i>)	179.9
Q2	CW Pitch (<i>CW Only</i>)	600	Q4	CW Paddle (<i>CW Only</i>)	N
Q2	RTTY Tone (<i>RTTY Only</i>)	2125	Q5	Tone SQL (<i>FM Only</i>)	88.5
Q3	VOX Delay (<i>SSB/AM/FM Only</i>)	1.0	Q5	Key Speed (<i>CW Only</i>)	20
Q3	BK-In Delay (<i>CW Only</i>)	1.0	Q6	Ratio (<i>CW Only</i>)	3.0
Q3	RTTY Shift (<i>RTTY Only</i>)	170			

IC-706MKII2G Programming Frequency Memories:

- Select the operating mode and frequency on the radio, that you want to save into memory.
- Select M2 functions by pressing the DISPLAY button (to the left of the main tuning knob) 1 or 2 times to select the “M” functions. After you see “M1” through “M4” on the screen, press the MENU button until you see M2.
- Press the “F-3 V/M” button under the bottom right-hand side of the screen.
- Rotate the “M-CH” knob (bottom left, inner knob) to the memory channel you want to program (1-99).
- Press the “F-1 MW” button under the bottom left-hand side of the screen for 2 seconds to store the frequency and operating mode into the selected memory.

FT8 Memory Channels			FT4 Memory Channels		
1	160M	1.840			
2	80M	3.573	12	80M	3.575
3	40M	7.074	13	40M	7.074.500
4	30M	10.136	14	30M	10.140
5	20M	14.074	15	20M	14.080
6	17M	18.100	16	17M	18.104
7	15M	21.074	17	15M	21.140
8	12M	24.915	18	12M	24.919
9	10M	28.074	19	10M	28.180
10	6M	50.313	20	6M	50.318
11	2M	144.174	21	2M	144.170