

Tutoriel FR Config CW(TX)



Contents

Installing CI-V & USB cables and drivers on PC	. 2
HRD SETUP for connection to IC-7300	. 5
Configuration in HRD / DM780	. 6
N1MM configuration (soft CW & SSB contest)	. 8

The purpose of this tutorial is to help some non-English OM. Because<u>KOPIR</u>has made great video tutorial for configuring many settings ICOM IC-7300, but they are in English. A big thanks to him (<u>KOPIR</u>) For his great help video

This is set 1 Com port for CAT System 1 and another port to transmit AF, PTT, emissions Modulation.

So yes, some purists will say to the CW response generated by PC when Contest is cheating. But many contester or shipping do, but keeps playing the sound to hear the caller. In short, a great help to CW operators.

The best and most effective being the reading sound (ear) for decoding low CW signals when contest.

But I remember with N1MM there is the possibility of using fldigi for CW reception. But especially useful for RTTY contest.

Who knows, if there is demand, I will be a trial and why not an installation tutorial config and interfacing with N1MM.

Consider adding ferrites on these two cables, as with HF, you may lose the connection and the connection CAT soundcard ICOM, etc ...

Remember to put USB-D for rtty, psk otherwise it will not work.

29/10/19: DATA menu change MOD OFF MIC, otherwise no microphone for voice usb. Capture tutorial to date.





For that you need :



You must first install the icom drivers for the USB cable and Prolific for CI-V (to do this, use the drivers provided on the CI-V cable for USB and CD (driver IC7300 icom website).

So you can connect two cables afterwards and you will have 2 COM ports in the config panel.

- COM4 for CIV (Prolific USB to serial Comm Port)
- COM5 for USB (Silicon Labs USB to UART Bridge)

Fichier Action Affichage ?	
Fice and the second	



IC-7300 SETUP

Go to: Menu> Set> connectors

SET	1/2	CONNECTORS	1/4
Tone Control/TBW		ACC/USB Output Select	
X Function		ACC/USB AF Output Level	
Connectors	•	ACC/USB AF SQL	▼
		OFF (Open)	
Display	Ĵ	ACC/USB AF Beep/Speech Output OFF	U
CONNECTORS	2/4	CONNECTORS	3/4
CONNECTORS ACC/USB IF Output Level	2/4	CONNECTORS DATA MOD	3/4
CONNECTORS ACC/USB IF Output Level 39%	2/4	CONNECTORS DATA MOD USB	3/4
CONNECTORS ACC/USB IF Output Level ACC MOD Level 40%	2/4	CONNECTORS DATA MOD USB External Keypad	3/4
CONNECTORS ACC/USB IF Output Level ACC MOD Level USB MOD Level 33% 33%	2/4	CONNECTORS DATA MOD USB External Keypad CI-V	3/4

Then in menu, set, connector, VIC.

Note the CI-V address (here 94H)

Note also the port speed CI-V Baud Rate here 19200

CI-V	1/2	CI-V	2/2
CI-V Baud Rate		CI-V Output (for ANT)	
19200		OFF	
CI-V Address		CI-V USB Port	
94h		Unlink from [REMOTE]	
CI-V Transceive		CI-V USB Baud Rate	▼
ON		19200	
CI-V USB→REMOTE Transceive Address		CI-V USB Echo Back	
94h	ŋ	OFF	Ð

Menu set, connector, USB Send / Keying

CONNECTORS	4/4	USB SEND/KEYING	1/1
RTTY Decode Baud Rate		USB SEND	
19200			RTS 🔺
		USB Keying (CW)	
OSB SEND/ Reying]	DTR
	▼	USB Keying (RTTY)	
		[DTR
		Inhibit Timer at USB Connection	
	Ĵ	(OFF 5

The CW is DTR and PTT for modes USB is RTS



Further details on parameters for adjusting the show later in emission test:





Start HRD.

Click "NEW"

Select IC-7700 as my free version of HRD, the IC-7300 does not exist.

Select the COM port of the CI-V cable (seen in the Control Panel of the PC "Prolific USB to serial Comm Port")

Choose the rate (Speed) you wrote when visiting the Connector / CIV menu and address CIV Menu, set, connector, VIC, Mark DTR and RTS

New	Preset Serial Ports	Help			
Company:	(ICOM	-	Status		
Radio:	IC-7700	•			
-	<u></u>	-			
COM Port	COM4	-			
Speed:	19200	-			
CI-V Add:	74	_			
Flow con	trol / Interface power				
CIS	DTR VRTS				

Then click CONNECT, the IC-7300 is found by HRD and displays the current frequency on the tranceiver.





Click the "program" option Click PTT in the left menu. Select "Via HRD -DM780 must be connected to HRD" and click Configure "HRD connection"

🚰 Digital Master 780	0 - [CW]	
File Edit View Q CW × SSTV	250 Browser Logbook SSTV SuperSweeper World Map Tools Window Help Radio Soundcard Waterfail HRD Logbook Program Options	
ogram Options	X	Program Options
Appearance Calligin (My Info) Clock Logbook Modes - ID PTT Radio QSO Soundsard Sounds Sounds Sounds Sounds Sounds Sounds Sounds Sounds Material Alarms Favoites Macros	PTT COM Part Out Send Colliges Put Control Description Control De	Operation Other Ham Rids Datas Pack Durations Conternation Cock Logbook Over Seal COMport In Rids Datas Over Seal COMport Modes = Dis Part Over Seal COMport In Rids Datas Over Seal COMport Standard Data Do Total Seal Over Seal COMport In Rids Datas Over Seal COMport Standard Data Do Total Seal COMport In Rids Datas Over Seal COMport In Rids Datas Data Do Total Seal GOD Soundard Data Do Total Seal Comport for PTT: To are a COM port for PTT: Seal Address Part Seal Comport Address Seal Comport for PTT: Seal Comport for PTT: Seal Comport for PT
Modes Navigetor Audie Recorder PSK Reporter Soundcard Calibration Time Synchronisation	exclusive use by DX780. The set of	Modes

Click "Connect" if the connection between HRD and DM780 is Ok, you have all the buttons display (Right photo). IF OK, check "Automatically connect"



Click "Modes+IDs" in the left menu. Select "Use PTT" and "Enable Serial (COM) Port keing". Fill with your USB cable port number (Com5) and DTR





Click "Soundcard" in the left menu.

Select "microphone (USB Audio Codec) and speakers (USB Audio Codec). This is the sound card created by the 7300 IC and USB cable

Appearance	Soundcard	
Callsign (My Info) Clock Logbook Modes + IDs PTT	- Input (Receive) Device: Microphone (USB Audio CODEC)	Input (Receive) Device: Select the soundcard used for receiving signals, the line in is connected to the audio output from your radio.
Radio QSO Soundcard Sounds Storage	Output (Transmi) Device: Haut-parleurs (USB Audio CODEC)	Source: Select the input source - usually Line in. This fader is shown in the soundcard's RX pane, use it to adjust the input level. Not all soundcards have input sources - for example the SignaLink USB does not have any user-selectable input
Waterfall Alarms Favorites Modes Navigator	Output (frammt) © 0x8 0.25x8 5x8 10x8 20x8	Sources: On the Detectable input output (Transmit) Device: Select the soundcard used for transmitting signale, the speaker output is connected to the audio input on your radio. This is normally the same as the input device. Source: Select the output source -
Audio Recorder PSK Reporter Soundcard Calibration Time Synchronisation	Soundcard Calbration	usually Wave. This fader is shown in the soundcard's TX pane, use it to adjust the output level. Output Attenuation If your radio is very sensitive apply output attenuation here, it makes use of the faders much easier. Show sample rate Show sample rate

Once this is done, left DM780 and HRD. Then restart to see if the settings have been saved.

You will be able to emission testing, cw, rtty, psk, etc. via DM780. Think of the USB mode Data for digital modes against CW remains the CW.Mind your modulation level and ALC for USB-D



N1MM configuration (soft CW & SSB contest)

Install N1MM: https://n1mmwp.hamdocs.com/

Once installed, restart your PC and then start N1MM



Choice No. X Port com about your USB cable and the radio model (IC-7300)

Select CW / other and click "SET"

Configure E Montes Fundamentation Market Fundamentation Market Fundamentation Market Fundamentation Market Fundamentation Market Fundamentation Market Fundamentation Stational Data Stational Data Market Fundamentation Stational Data Stational Data Market Fundamentation Stational Data Stational Data Stational Data Statio	Speed Party DataBills Stop Dis 19200 N B File 11R (pin 4) R15 (pin 7) com Code (risk Rado thr 11R (pin 4) R15 (pin 7) com Code (risk Rado thr 11R (pin 4) R15 (pin 7) com Code (risk Rado thr 11R (pin 4) R15 (pin 7) com Code (risk Rado thr 11R (pin 4) R15 (pin 7) com Code (risk Command SDB Mode 11D Celay (risk-c) Fit via Rado (command SDB Mode Via Rado Command Data Mode 11D Celay (risk-c) None Rado Rado (risk risk) 11D Rado (risk risk) Rado (risk risk) Rado (risk risk) 11D Rado (risk risk) None Rado (risk risk) 11D Rado (risk risk) Rado (risk risk) Rado (risk) 11D Rado (risk risk) Rado (risk) Rado (risk) 11D Rado (risk) Rado (risk) Rado (ri
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You will be able to configure your Com Port No. X with different parameters (speed, CI-V address, RTS, DTR

- Speed: Value "CI-V USB Baud rate" noted in the IC-7300 menus: Set> connector> CI-V
- DTR (Pin4): Select CW. IC7300 Menu: set> connector> USB Send / Keying
- RTS (Pin 7): Choose PTT. IC-7300 Menu: set> connector> USB Send / Keying
- Icom Code (Hex): Value "VIC Address" IC-7300 Menu: set> connector> VIC
- You can also choose the other parameters: allowed other software to use PTT, PTT via radio command SSB, Cw, Digital (up to you, I have not checked anything)

Click OK and then OK again on the "configure"

Exit N1MM.



Restart it, and see if the frequency of Tranceiver appears well on the top left

CO From	opeu	ig window	neip	2			
CQ-riequ	ency	Snt		RCV		Exch	
• • •	Run 🔿 S&P 🛛	2 🔹					
	F2 Exch	F3 Tu	F4	lova x2	F5 His C	all F6	6 Repeat
F4CVQ							
F4CVQ F7 WPX?	F8 Agn?	F9 Nr?	595	His Call	F11 CALL	B4 F	12 Wipe
F4CVQ F7 WPX? Esc: Stop	F8 Agn?	F9 Nr?	Edit	His Call Mark	F11 CALL Store	B4 F Spot It	12 Wipe

If this is the case is that the CAT system is OK.

Now recreate a database and a log for a CW contest Once this is done, put a sign here and click on "exchange" or press the F2 key, theoretically IC 7300 should send the "code followed by the postponement and / or serial of the contest" Otherwise click the button 1 button or press the F1 key



For the configuration database, log, report, serial contest, I have little time to do a tutorial for now. But according to the demands and my available time, why not.

Good fun

73 F4CVQ Vincent

And thank you for visiting our website departmental amateur

www.ra88.org





PERSONAL NOTES:



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