

Icom 7300 N1MM Logger Plus Setup

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Icom 7300 N1MM Logger Plus: As I get ready to write this I have my N1MM Logger Plus already setup to use in the VOLTA RTTY Contest this weekend. I plan on making a few RTTY (FSK) contacts. N1MM Logger Plus is my contesting software. I'll be the first to admit, I have only scratched the surface when it comes to using this software, but it is incredible stuff. It looks a little intimidating at first, but soon becomes

familiar and easy to use. Just try it!

This Icom 7300 N1MM tutorial will get the Icom 7300 SDR connected to the software. You'll still have to setup your Station Data under the Config menu and your macros will probably need edited, depending on the contest you want to operate in.

Two cables are used in this setup. One is the USB cable connected to the radios USB port and the other is a CI-V cable connected to the radios CI-V port. Use the CI-V for rig control and the USB for the soundcard. I have found this to be the easiest, because later on I added cw keying and RTTY (FSK) to the mix.

If you just want to use a USB Cable with HRD and operate some PSK31 or RTTY (AFSK), take a look at this video.

Step one, if you haven't already, download and install the USB driver from Icom for your Icom IC-7300. Do not connect the USB cable until you have downloaded and installed the driver.

Step two, connect both cables.

Step three, turn your radio on and setup the Icom 7300 using the radio's menu. Set the following menu items under MENU>SET>Connectors. These are the changes, leave everything else to default settings. I have included a couple of extra settings that will help later on when using PSK31, RTTY (FSK) and CW keying.

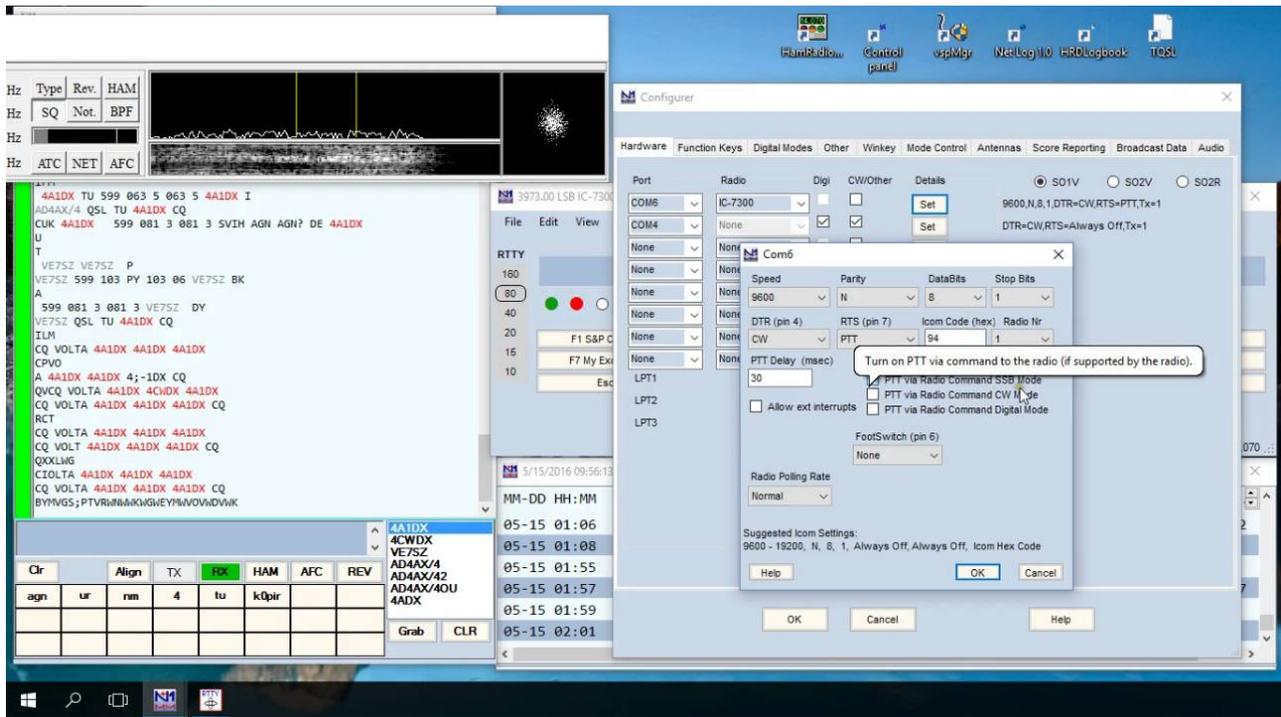
- DATA MOD : Change to USB
- USB SEND: RTS
- USB Keying (CW): DTR
- USB Keying (RTTY): DTR
- Here are some screenshots.

Step four, if you don't already have it, download and install N1MM Logger+. It's free and you can find it here.

Step five, start N1MM Logger Plus.

- Click on Config, then select Configure Ports, Mode Control, Audio, Other...
- On the Hardware tab select the port that your CI-V cable is on and next to it choose the IC-7300 for the Radio.
- To the right click on Set.
- Make sure your Com port is setup correctly. Mine is 9600, N, 8, 1, DTR (Pin4)=CW, RTS (pin 7)=PTT, Icom Code (hex)=94, Radio Nr=1, PTT Delay=30 and PTT via Radio Command SSB Mode is checked. Footswitch (pin 6)=None and Radio Polling Rate=Normal. Click OK to close the window.
- The next row under Port, choose the COM port your USB cable is connected to.
- Under Radio choose None.
- Next to that check Digi and also check CW/Other.
- To the right click on Set.
- Make sure this is setup correctly. Mine is DTR (pin 4)=CW, RTS (pin 7)=Always Off, Radio Nr=1, PTT Delay (msec)=30, Dig Wnd Nr=1, Allow ext interrupts and Winkey go UNchecked, Two Radio Protocol=None and Footswitch (pin 6)=None. Click OK to close.
- Click OK to close the Configurer window. You should not see any errors. If you do, something is not setup correctly. Go back and verify the above settings and make sure your com ports are correct.

You should now be connected. The Icom 7300 N1MM Logger should be displaying the radio frequency at the top of the window next to the icon. See the video below for a visual.



If you do things differently with the Icom 7300 N1MM, or have any suggestions, please comment below. Always happy to hear from fellow Hams! 73 and good DX. - Rich, K0PIR

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