

Icom IC7300 CAT control for multiple data programs.

The IC7300 and similar radios that have two CAT connections that can be separated provide an easy and unique method of connecting multiple software data packages.

1. Having installed the Icom USB port drivers to the PC
2. Connect a USB cable to the rear connection on the IC7300 and to a USB port on the PC
3. Connect a USB CI-V cable to the 'REMOTE' socket on the back of the IC-7300 and another USB port on the PC.
4. Make a note of the port numbers for these two connections as shown in the PC device manager

Setting up the IC7300

In Menu/Set/Connectors/CI-V set the following

CI-V Baud rate = 19200
CI-V Tranceive = OFF
CI-V USB Port = Unlink from (Remote)
CI-V USB Baud Rate = 19200
All other settings as default

Setting up Log4OM

Download and install Omnirig

In Settings/Program Configuration/CAT Interface

CAT Engine = Omnirig
Check the box = Auto start CAT
Check the box = Invert SSB side (CW)
Check the box = Switch to digital mode when required
Default = Select FT8 from list
Click 'SAVE AND APPLY'

In the Omnirig menu

1. Select the radio from the drop-down list (IC7300 DATA)
2. Select the com port number for the USB – USB connection to the radio and set the Baud rate to 19200
3. Click OK (Frequency and mode changes on the radio will be reflected in Log4OM)

Setting up WSJT CAT control

In WSJT File/Settings/Radio

Select OMNIRIG Rig?? In the Rig menu
Set PTT method to CAT
Set Mode to DATA/PKT
Set Split Operation to FAKE IT
Click OK

Setting up FLDIGI CAT control

In FLDigi Configure/Configure Dialog/Rig Control/Hamlib

Select Icom IC7300 (Stable) from the Rig menu

Check the box 'USE HAMLIB'

Select the USB CI-V – Remote com port number in the 'DEVICE' menu

Set 'BAUD RATE' to 19200

Click on 'INITIALISE'

Click 'SAVE'

Click 'Close'

In the Configure menu click on Save Config

Now changing freq and mode on the radio will be reflected in Log4OM, WSJT and FLDigi and Freq and Mode changes in those programs will be replicated on the radio.

All other WSJT/Log4OM/FLDigi setup instructions for logging are detailed elsewhere in the user guide.

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