ICOM General

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## 1.0 GENERAL

The following list details the Hex addresses for ICOM radios:

IC-1271 24

IC-1275 18

IC-127A/E 18

IC-271 20

IC-275A/E/H 10

IC-375A 12

IC-471 22

IC-475A/E/H 14

IC-575A/H 16

IC-7000 70

IC-703 68

IC-706 48

IC-706MKII 4E

IC-706MKIIG 58

IC-707 3E

IC-718 5E

IC-7200 76

IC-725 28

IC-726 30

IC-728 38

IC-729 3A

IC-7300 94

IC-735 04

IC-736 40

IC-737/A 3C

IC-738 44

IC-7400 66

IC-746 56

IC-746 PRO 66

IC-751 1C

IC-755 0A

IC-756 50

IC-756PRO 5C

IC-756PROII 64

IC-756PROIII 6E

IC-7600 7A

IC-7610 98

IC-761 1E

IC-765 2C

IC-775 46

IC-7700 74

IC-78 62

IC-7800 6A

IC-781 26

IC-820 42

IC-820H 42

IC-821 4C

IC-910 60

IC-970 2E

IC-970A/E/H 2E

IC-9700 A2

IC-R10 52

IC-R20 6C

IC-R7000 08

IC-R7100 34

IC-R71 1A

IC-R72 32

IC-R75 5A

IC-R8500 4A

IC-R9000 2A

IC-R9500 72

IC-RX7 78

Paragon II 04 (Use IC-735 protocol)

**Note**: It is recommended that ICOM transceivers that support CI-V Transceive have this option turned OFF. This is to reduce data collisions caused by unsolicited messages from the radio every time you change the VFO frequency. If you have a linear amplifier that supports CI-V control from the radio then the CI-V Transceive function must be left on. There is a potential of data collisions under this setup, but it should function OK.

## 2.0 CW AND SSB WIDTH SETTINGS

If you have CW and SSB narrow filters installed you can tell Logger32 which filters to use for DX spots. The filter selections will automatically be applied based on the frequency of DX spots and your settings in the BandMode chart.

In the Radio Port Setup, you need to check the "Use Narrow Filters for CW" option and edit the Logger32.INI file.

To accomplish this:

If you have Logger32 running, close it, make a copy of your Logger32.INI file, and put it somewhere safe just in case something goes wrong.

Open your Logger32.INI file using your favorite text editor (Notepad will do).

Scroll down the page until you find a heading [Radio Port] or [Radio Port 2] and there should be 8 or so lines of text looking something like this:

[Radio Port]

Automatic Open=TRUE

Comport=COM5,9600,n,8,2

Radio Type=Icom (not IC-735)

Poll Interval=50

Icom Address=58

Set DTR High=0

Set RTS High=1

CW Filter=1

The software defaults to filter 01 for CW normal and filter 02 for CW narrow. If the defaults are inadequate (the user wants to use filters other than the default), then the following section(s) need to be added to the Logger32.ini file:

[Icom Filter n] n = 1 or 2 (for radio 1 or 2)

CW Normal=xx

CW Narrow=xx

SSB Filter=xx

**Note**: xx equals the filter command number 0`, 02 or 03. The following chart, from the CI-V specification, shows the relationship of the numbers to filter width:

Control Data IF Width

01 Width 1 (Wide)

02 Width 2 (Narrow)

03 Width 3 (More Narrow)

**Note**: If you have more than one CW filter, you need to consult your manual and experiment with the filter numbers. The SSB Filter line is only needed if your radio supports more than one SSB filter setting.

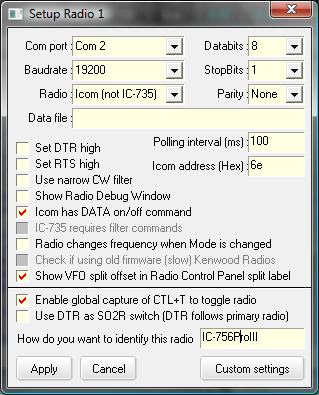
## 3.0 RADIO DATA MODES

Some ICOM radios have a DATA setting. This mode is used in conjunction with the AUX connector on the rear of the radio when receiving and transmitting digital information. When the DATA mode is set, the radio shifts the audio input and output to the rear AUX connector. This function usually mutes the microphone so it will not interfere with the TNC or Soundcard data during transmit and a constant audio output level is provided to the AUX connector.

If your radio has this feature, Logger32 can turn this mode on and off via CI-V radio control. In the port setup, place a check mark in the box for the line that reads "Icom as DATA on/off command".

The following is a typical setup for the ICOM IC-756ProIII.

**Note**: In the DTR/RTS setting in Radio setup table you may need to check either of “Set DTR high” or “Set RTS high” option. It depends on your radio and CAT interface.



ICG\_1

**4.0 Settings Radio and Logger32**

You need to set several important items in ICOM radio menu to communicate to Logger32. See details in IC-7300 and IC-7610 sections.

1. CI-V address  
   You may change CI-V address in radio menu, however it is recommended to use default CI-V address. In Logger32 Setup radio table (see ICG\_1) you must type same address as radio.

Default value for each ICOM radio are listed in paragraph 1.0 above.

1. CI-V echo back

You must set CI-V echo back ON, otherwise Logger32 can not communicate to the radio.

1. Radio selection in Logger32 Setup Radio table

ICOM, IC-735, IC-7600, IC-7700 and IC-7800 are listed in the table. If your radio is not listed then try ICOM first. Most recent radio works if IC-7800 is selected.