

## IC-7300 MENU Settings (Raspberry Pi & Windows PC)

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IC-7300 Menu Settings to support connecting the IC-7300 to a Windows PC and/or a Raspberry Pi (Linux) computer, with a single USB port cable. Use a USB "A"/"B" cable plugged into the IC-7300 USB - "B" port. The cable is a typical PC printer USB cable with a Square "D" connector on one end and a flat USB connector on the other. This cable enables running digital applications on your computer with no additional cables or devices.

Supports running digital mode applications such as WSJT-x (FT8), DigiPan (psk31), MMRtty (rtty), SlowScanTV (sstv) and many others.  
The following IC-7300 configuration will support SSB voice, CW and Data modes such as FT8 without needing separate configurations for each.

### TRANSCIVER SETUP (IC-7300):

Note: You may want to save your current Menu settings before proceeding.

See 'Savings your Menu Settings to the SD Card' below.

You may want to reset your transceiver back to Factory Settings before proceeding.

MENU > SET > Others > Reset > All Reset > Next > YES

NOTE: ( ) = original default value

MENU > SET > CONNECTORS > ACC/USB AF OUTPUT = 70% (50%) <<< (receive level, set for 65-70db graph)  
> USB MOD LEVEL = 40% \* (50%) <<< (transmit level, set for minimum ALC)  
> DATA OFF MOD = MIC (MIC, ACC) <<< (allow program to key transceiver)  
> DATA MOD = USB (ACC) <<< (allow program to key transceiver)

\* NOTE: This value may have to be adjusted downward depending on the specific computer being used.  
FT8 user, adjust the PWR slider bar (lower right corner of display) for minimum transmit ALC setting (1, or 2 bars max).

Other optional (one-time) settings:

MENU > SET > FUNCTION > TUNER > PTT START = ON (OFF)  
> DISPLAY > MY CALL = K7HCP > ENT (blank)  
> TIMESET > DATE/TIME = ... (null)  
> UTC OFFSET = -7:00 mdt , -6:00 mst (0:00)

Note: You may want to save your menu settings to the SD Card to preserve the configuration for future use.

Saving your menu settings to the SD Card

MENU > SET > SD Card > Save Setting > New File > Filename > ENT

Restoring your menu settings from the SD Card

MENU > SET > SD Card > Load Setting > Filename

### WSJT-x SETUP (Windows PC):

Mode = FT8

File > Settings > Radio:

Rig = ICOM IC-7300  
CAT Control > serial port = COM# ... (control panel, system, device manager, ports, usb=COM#)  
> baud rate = 19200  
> other settings = default, except some systems may require handshake = hardware  
PTT method = CAT  
Mode = DATA/Pkt

File > Settings > Audio:

Soundcard:  
Input = Microphone (USB Audio CODEC)  
Output = Speakers (USB Audio CODEC)

Note: You may need to power off/on the IC-7300 after making setting changes above.

### WSJT-x SETUP (Raspberry Pi):

Mode = FT8

File > Settings > Radio:

Rig = ICOM IC-7300  
CAT Control > serial port = /dev/ttyUSB0  
> baud rate = 19200  
PTT method = CAT  
Mode = DATA/Pkt

File > Settings > Audio:

Soundcard:  
Input = HW:CARD=CODEC, DEV=0  
Output = HW:CARD=CODEC, DEV=0

\* NOTE: You may have to select other driver options if this specific selection is not available or if it does not function properly.