

fldigi Operations on the IC-7610

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fldigi on IC-7610/NARC1

As of 2019-10-20, the installed version is 4.1.03.

On the PC

1. Open fldigi. (Icon is on desktop.)

Fldigi is configured to use the flrig program to interface between the radio and the computer. Flrig should open automatically a few seconds after fldigi opens. If flrig shows the current VFO frequency and so does fldigi, the two devices are talking to one another.

2. Confirm Settings

It's not essential to confirm the settings each time you start up, but doing so will make sure that you are able to operate without difficulty.

- In flrig, open the Config menu and select Setup > Transceiver. This opens a separate window.

Rig: IC-7610 Ser Port: COM3 Baud: 19200 (Stop bits:) 1 PTT via CAT checked

CV-V adr:0x98

You may now close the Configuration window by pressing the CLOSE button or close window (X) button.

3. Check receive operations

- Turn to a known PSK31 frequency, for example, 14070.
- From the Op Mode menu, select PSK > BPSK-31

If all is well, you should see decodes in the left hand window and signals in the waterfall below.

4. Configure your operational settings.

- From the Configure menu, select UI > Operator to open a window.
- Under the Operator tab set Station Callsign, Operator Callsign, Operator Name, Antenna, Station QTH, Station Locator and other items.

On the IC-7610

1. Confirm rig is in USB Data 2 (USB-D2) mode.



To change the mode, press the mode indicator on the touch screen to open a window to toggle the mode (USB/LSB) to USB. Unless you are sure that your digital mode uses LSB, select USB. Press and hold the DATA button to switch between D1, D2, and D3 data mode connectors. D2 is configured for use via USB.

2. Set your bandwidth to filter 1 (wide) by pressing the FILTER button located on the right side of the front panel.



You may adjust the filter settings by pressing and holding the filter button on the right side of the rig control panel. Press the arrow/return button on the display/touch screen to save and apply the filter settings.

3. Set other settings

The following settings can be changed via buttons on the left side of the touch/display screen.



- Preamps (P.AMP) off

Press the P.AMP button to cycle through the settings (OFF, P.AMP 1, P.AMP 2)

- ATT off

Press the ATT button to cycle through the attenuator settings (OFF, 6 dB, 12 dB, 18 dB)

- IP+ off

Press the IP+ button to select ON or OFF

- Turn AGC off

Press and hold the AGC button on the display/touch screen. This opens a panel. Under the SSB column, select the SLOW setting. Adjust the AGC level downward until the indicator says OFF. Press the arrow/return button on the display/touch screen to enter the setting.

- VOX off
- Noise reduction (NR) off

Press the NR button on the left side of the front panel to turn off the illuminator.

- Noise blanker (NB) off

Press the NB button on the left side of the front panel to turn off the illuminator.

4. Set desired RF power output using MULTI knob.



Press and hold the MULTI button to open a window on the touch/display screen. Press the RF POWER panel and rotate the MULTI button to set RF power.

On KPA1500

1. For < 100W output, set amplifier to STBY mode (yellow light) by pressing the MODE button to toggle between STBY (yellow light) and OPER (green).



For higher power output, follow separate instructions for tuning the KPA1500 amplifier.

2. Confirm ANT1 is output (press ANTENNA to toggle).



3. Confirm ATU is IN (not BYP) by pressing and holding ATU TUNE button.



Have fun!