

February 11, 2018 – K3CT

Radio Firmware 1.05

IC-7610 Radio Control, Internal CW, Voice recording/playback, and RTTY FSK Configuration, and Spectrum Window with only the USB to computer connection.

Icom USB1 (A) – used for radio control & CW (COM8)

Icom USB1(B) – used for RTTY FSK & PTT (COM6)

Radio SET menu

Connectors

USB SEND/KEYING

USB Send = USB1(B) RTS

USB Keying CW = USB1(A) DTR

USB Keying (RTTY) = USB1(B) DTR

CI-V

CI-V Transceive = OFF

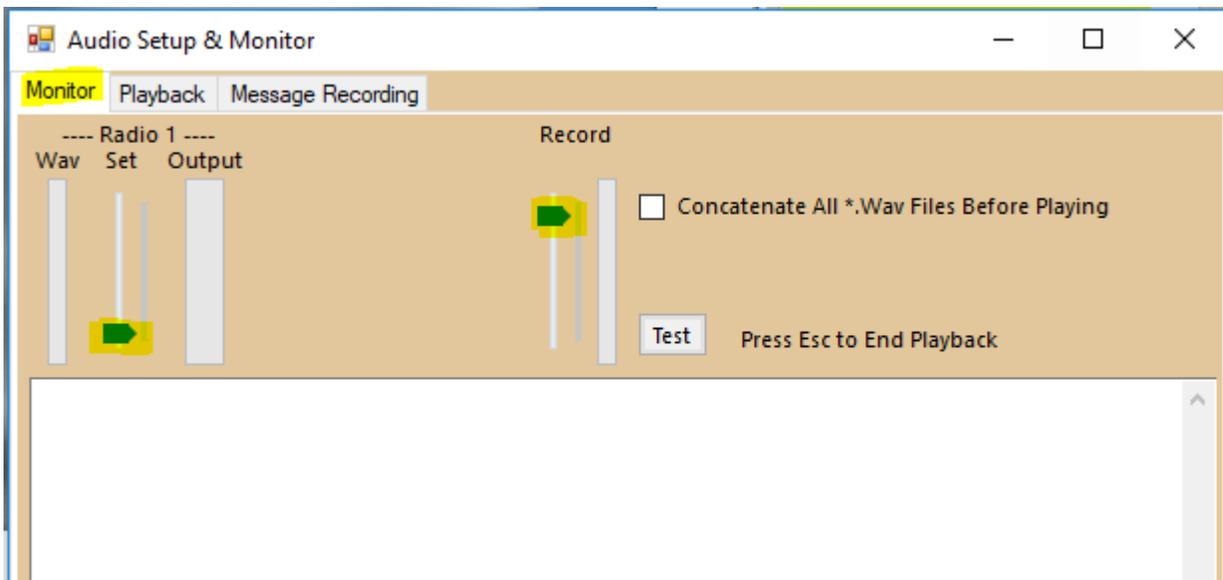
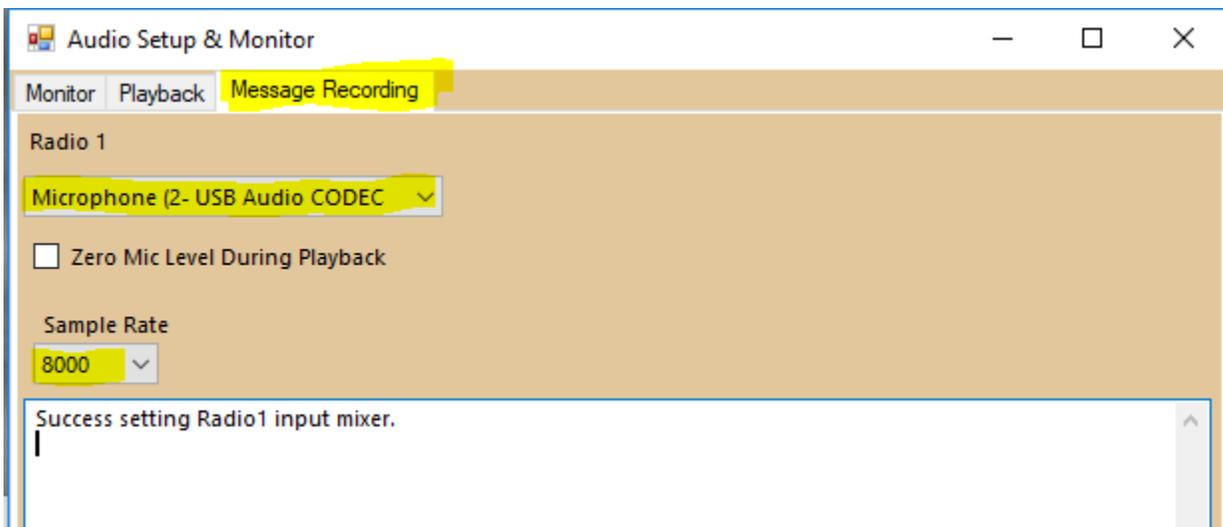
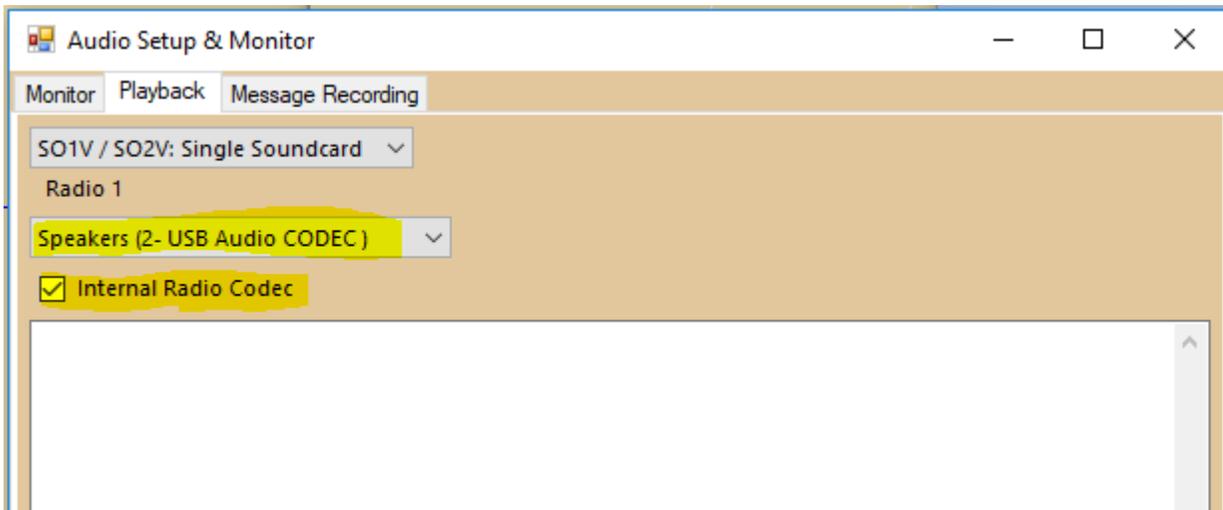
CI-V USB Port = Unlink from [REMOTE]

CI-V USB Baud Rate = 115200 (needed for N1MM Logger+ Spectrum Display)

CI-V USB Echo Back = OFF (Turn ON if using DX4Win)

For CW set BK-IN to SEMI or FULL

Logger+ Audio Config (for SSB voice message recording and playback)



The radio control needs to be configured, see below.

Ctrl+Shift+F4 – starts the recording of the MyCall message.

ESC – ends the recording

F4 plays the voice message

Pay attention to the mode (Run/S&P) when recording the CQ message

Configurer

Configurer

Hardware Function Keys Digital Modes Other Winkey Mode Control Antennas Score Reporting Broadcast Data

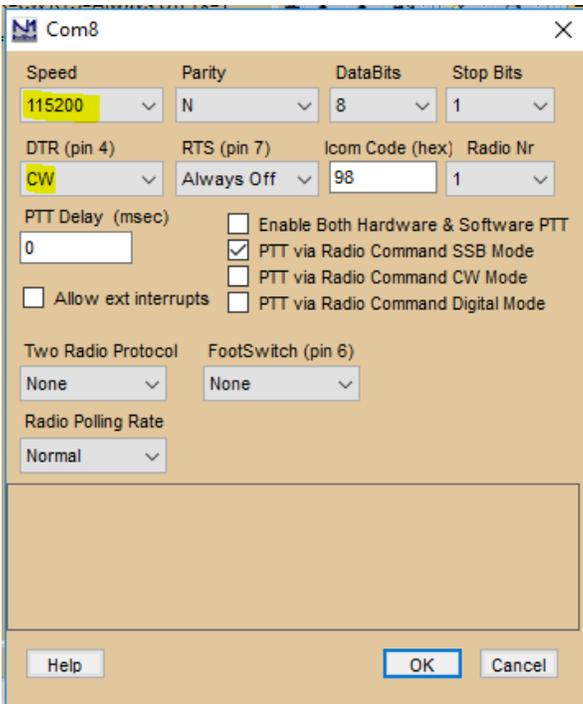
Port	Radio	Digi	CW/Other	Details
None	None	<input type="checkbox"/>	<input type="checkbox"/>	Set
COM8	IC-7610	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Set
None	None	<input type="checkbox"/>	<input type="checkbox"/>	Set
None	None	<input type="checkbox"/>	<input type="checkbox"/>	Set
None	None	<input type="checkbox"/>	<input type="checkbox"/>	Set
None	None	<input type="checkbox"/>	<input type="checkbox"/>	Set
None	None	<input type="checkbox"/>	<input type="checkbox"/>	Set
None	None	<input type="checkbox"/>	<input type="checkbox"/>	Set
LPT1			<input type="checkbox"/>	Set
LPT2			<input type="checkbox"/>	Set
LPT3			<input type="checkbox"/>	Set

SO1V SO2V SO2R

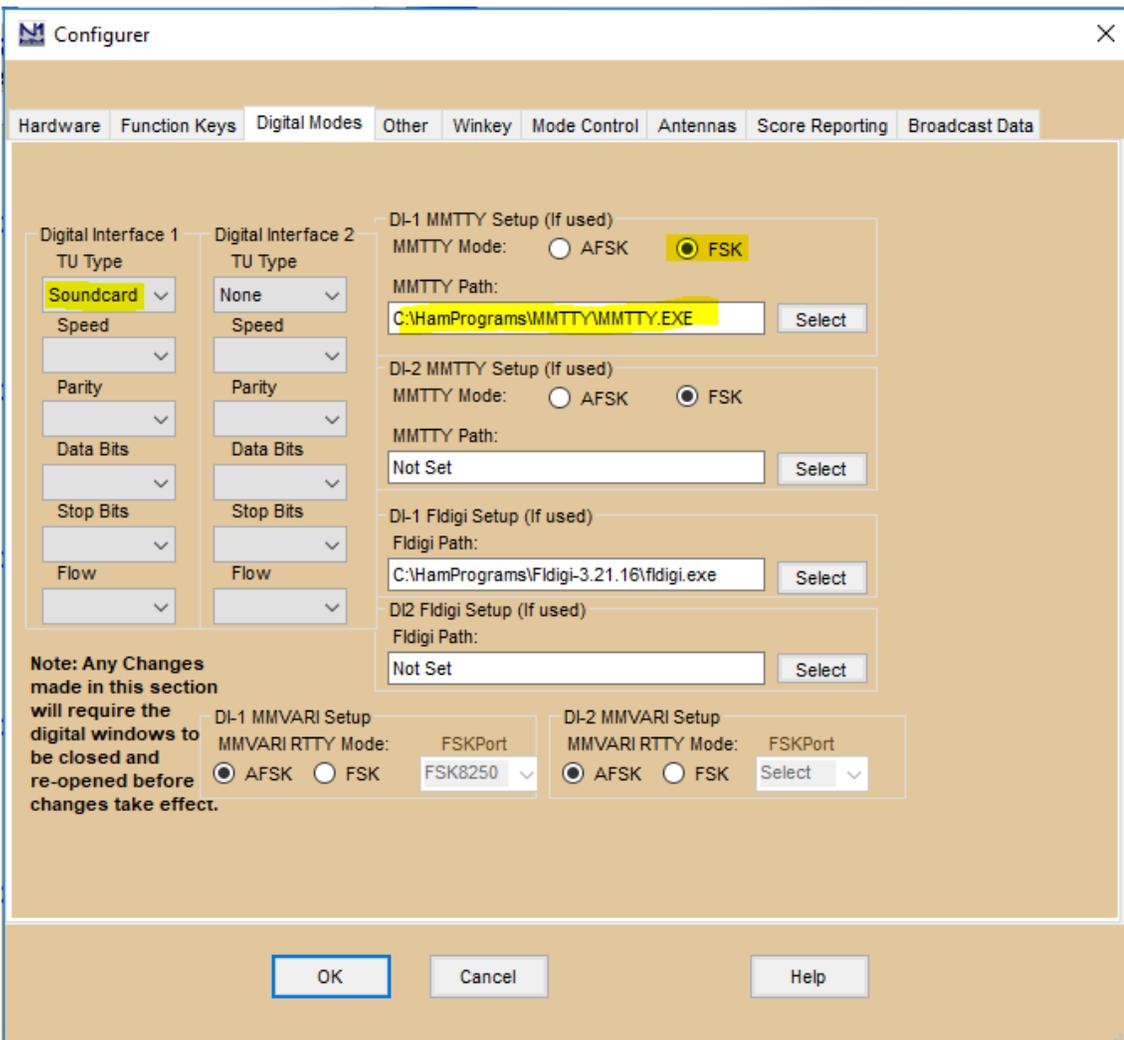
115200,N,8,1,DTR=CW,RTS=Always Off,Tx=1

OK Cancel Help

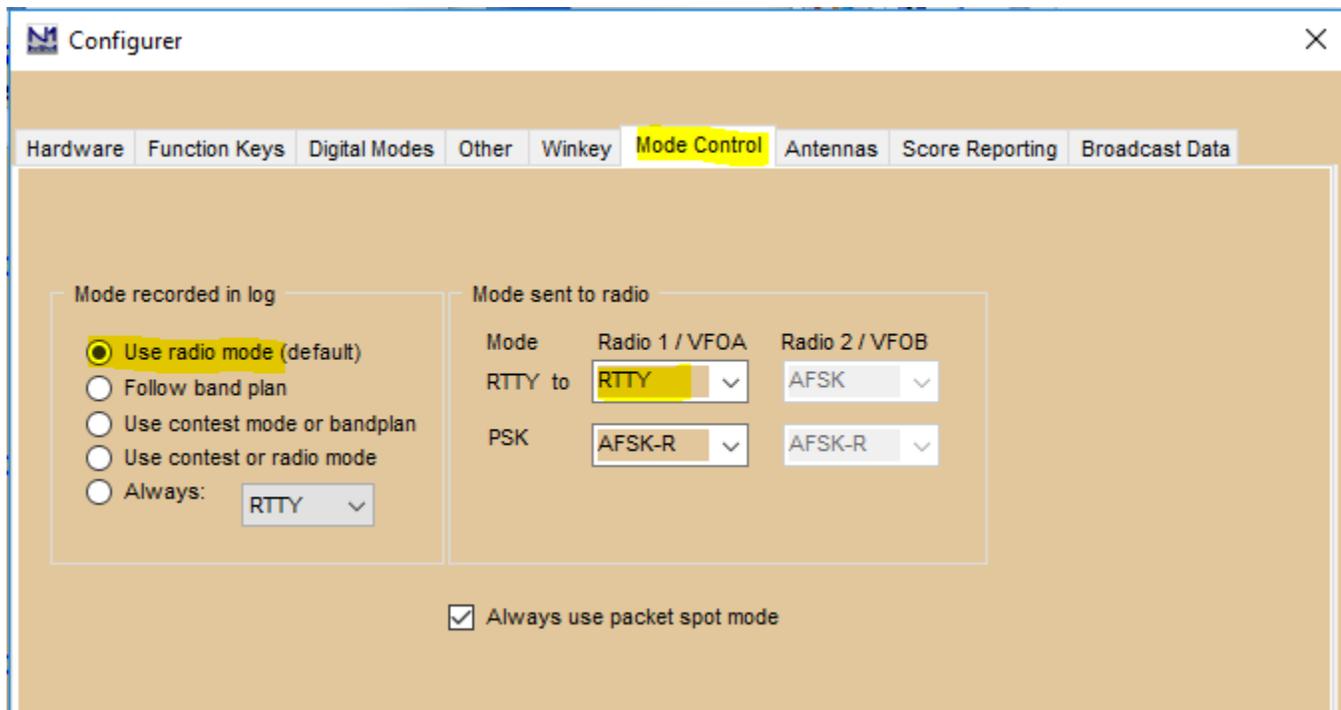
Radio COM port (USB1(A) = COM8) Send CW with internal CW generation



Digital Modes tab (FSK RTTY)



Mode Control tab



MMTTY Options

Demodulator | AFC/ATC/PLL | Decode | **TX** | Font/Window | Misc | SoundCard

DIDDLE

- NONE
- BLK
- LTR

- Random
- WaitTimer

TX

- UOS
- Double shift
- Disable Wait
- Disable Rev
- Always fix shift

Digital Output

Char. Wait

Diddle Wait

PTT & FSK

Port **EXTFSK64**

- Invert Logic

Radio command

TxBPF/TxLPF

Tx BPF Tap **48** f

Tx LPF Freq **100** Hz

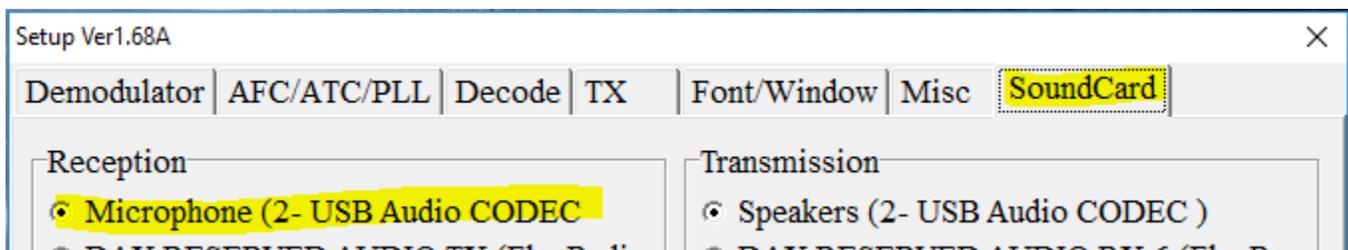
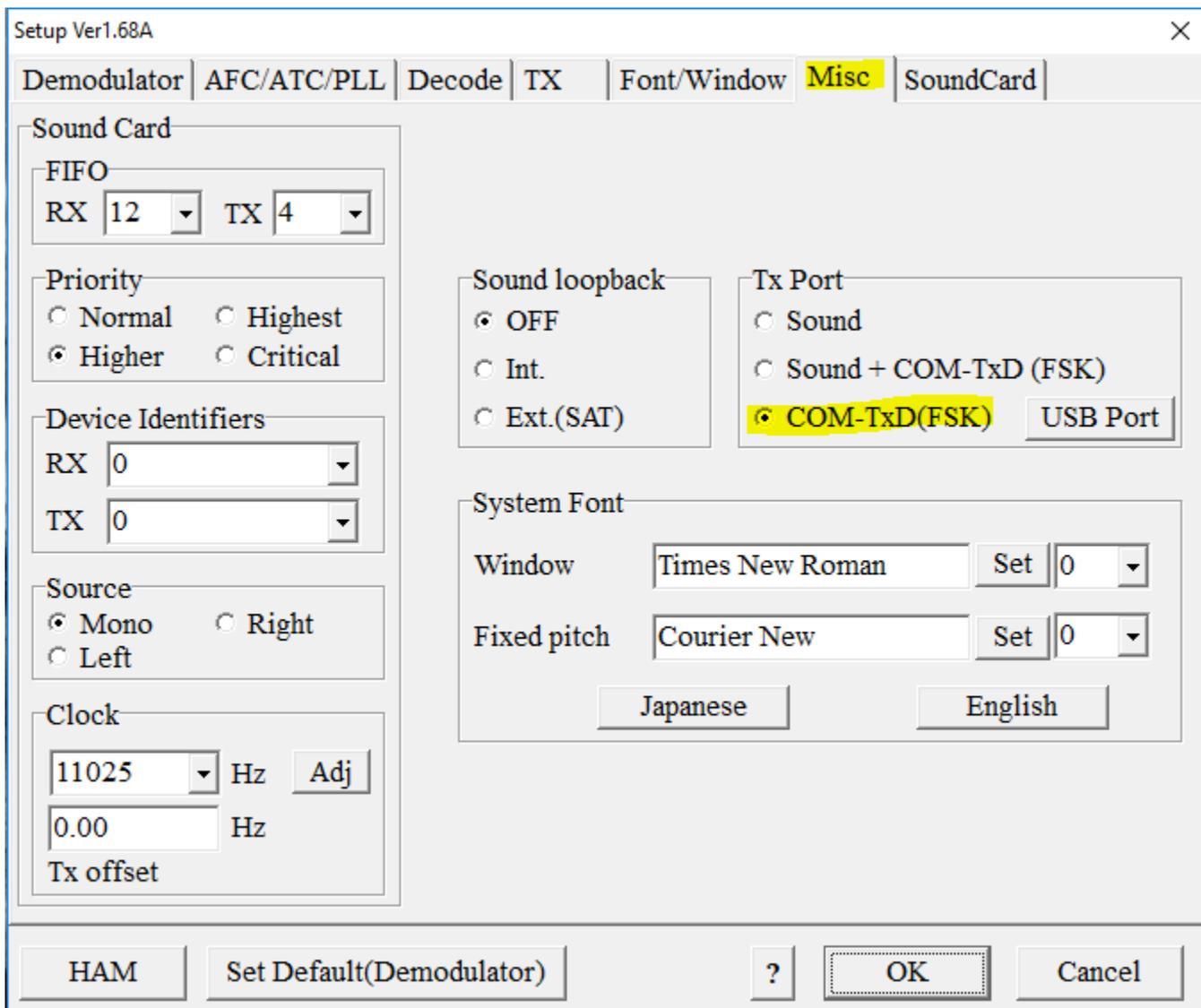
HAM

Set Default(Demodulator)

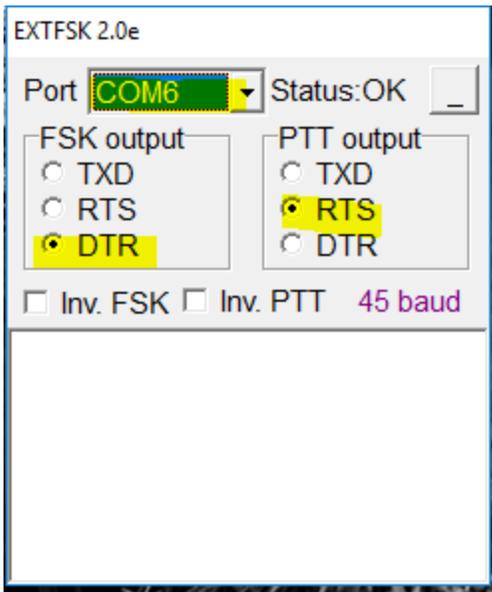
?

OK

Cancel



The EXTFSK window will be on the Windows Task bar, restore it.



The Status should be "OK". Click the "_" to place it on the Task bar again.

Spectrum Window

Tools, Spectrum Display

Use the radio <MENU2>, REF button to adjust the noise floor of the display.

Place the mouse in the Spectrum Display window and roll it to adjust the threshold (dotted line).

