Router setup:

Note: The absolute port numbers do not matter. The key is consistency - the same port number must be used for a specific function every time it is used.

- 1. Assign the radio control virtual COM ports. Click the **Set** button and select your radio from the drop down box. Uncheck the **Disable router queries** box.
- 2. Assign a port for WinKey.
- 3. Assign a port for FSK check the PTT box.
- 4. Assign the same port for PTT as you assigned for Radio control.

rts	Audio	PTT	CW / WinKey	CW Messages	FSK Messages	Keyboard	System Settings
			RADIO	D			Icom IC-706 MkII-G
					14.087.580	RT	Y
			CAT:	COM4	•	closed	↓ <u>Set</u>
			2nd C	AT: none	-		4>
			FSK:	COM	🔹 🔻 🔽 PTT	closed	▶ Test
			2nd F	SK: none	▼ 🛛 PTT		invert
			CW:	none	• DTR •	-	Test
			PTT:	COM4	▼][RTS ▼	closed	▶ Test
			2nd P	TT: none	▼ RTS ▼	closed	F
			Foot S	Switch: none	▼]CTS ▼		🖣 📄 invert
			SQL:	none	▼ CTS ▼]	🖣 🔝 invert
			WinK	ey: COME	•	closed	Test Mon
			Contr	ol: none	•		Mon Non

- 5. On the **PTT** tab, check PA PTT if DigiKeyer II will be controlling an amplifier.
- 6. Save settings to a preset by selecting menu **Preset | Save as.** Choose a position and name it Logger32.

Logger32 setup:

Com port Com 4	•	Databits : 8
Baudrate 4800	•	StopBits 2
Radio : Yaesu F	T-2000 🚽	Parity None
Data file :		
Set DTR high	– Polling i	nterval (ms) 1000
Set RTS high	- Icom ad	dress (Hex) 00

- 5. Click the CW icon to open the CW machine
- 6. Select Config | WinKey
- 7. Select Config | Keyer Setup
- 8. Select the Serial Port you set for WinKey in Router's Ports tab
- 9. Configure the settings you prefer for CW operation including weight, speed range for WinKey's speed pot, PTT or QSK operation, etc.

It is generally most convenient to make the CW parameters the same as you have set on Router's CW/WinKey tab.

10. Click on the Speaker icon to open the Soundcard Data Window

Radio PTT selectio	n l
Serial Port Com 6	
 Keying options PTT by Serial Port 	 PTT Keying line RTS Keying only
C PTT by Radio Command	C DTR Keying only
PTT by Shared Radio Port	C RTS + DTR Keying
MMTTY FSK on USB port	OK Cancel

1. Click Setup | Radio | Radio 1 configuration ...

- 2. Select the virtual COM port you used for control in Router's Ports tab
- Select the Baud Rate, Parity, Databits, parity, Word Length, and Stop Bits settings required by your radio.
- 4. Uncheck "Set DTR high" and "set RTS high"

minitoj ooning	STATISTICS STATISTICS		
Comm3 🔄 Serial port	PTT lead delay	·)	20 ms.
lambic B 💽 Keyer mode	PTT tail delay	J	0 ms.
752 💽 Tone freq.	Speed pot max		40 WPM
✓ PTT enabled	Speed pot min	-j	10 WPM
Sidetone enabled	Speed		25 WPM
Keyon pin 3	Farnsworth speed	-j	14 WPM
Keyon pin 5	Dit/Dah ratio		1:3
Switch Paddles	Dit/Dah weight		-10%
 Paddle insert cancels Macro 	First extension	J	0 ms.
Analog speed control Key Contest wordspace Auto space on F	ing compensation Paddle switchpoint		0 ms. 50%
Key radio 1 from pin 3, radio Key radio 1 from pin 5, radio	2 from pin 5 2 from pin 3		
🔲 Disable Radio polling when	keying		
1.33 🖌 Wordspace before (ending paddle oper	ation	
N 1		Uteration and discoversion.	

11. Click Settings | Radio PTT options

- 12. Select the Serial Port you chose for FSK on Router's Ports tab
- 13. Select RTS Keying only
- 14. Select PTT by Serial Port
- 15. DO NOT Check "MMTTY FSK on USB Port"!

- 16. Click on Mode | MMTTY Engine | Standard RTTY (170Hz)
- 17. Click on the Wrench icon to Open MMTTY Setup
- 18. Select the SoundCard tab

Demodulator AFC/ATC/PLL Decode TX	Font/Window Misc SoundCard
Reception C External Mic (IDT High Definiti C Integrated Microphone Array (ID C Stereo Mix (IDT High Definition C Line (6- microHAM CODEC) C Headset Microphone (6- microHAM C	Transmission C Speakers and Dual Headphones (I C Digital Output Device (HDMI) (H Headset Earphone (6- microHAM C C Independent Dual Headphones (ID C

19. Set Reception to Line (microHAM CODEC) and set Transmission to "Headset Earphone (microHAM CODEC)."

Setup 🛛	20 Chasse the Miss Tab
Demodulator AFC/ATC/PLL Decode TX Misc	20. Choose the MISC Tab.
Sound Card FIFO	21. Select Source Left
RX 12 - TX 4 -	22. Set Clock 11025
Priority Sound loopback Tx Port	23. Select COM-TxD (ESK) for the
• Higher • Critical • Int. • Sound + COM-TxD (FSK)	TX Port.
Device ID 0 • Ext.(SAT) COM-TxD(FSK) USB Port	If you want the option to switch between AFSK and FSK, select Sound + COM-TxD (FSK)
11025 Hz Adj	
Tx offset 0.00 Hz	
HAM Set Default(Demodulator) OK Cancel	Processing method
	C B: Polling
24. Click USB port button and choose C: Limiting speed	• C: Limiting speed
	C D: Polling and Limiting speed
	Please try to test B, C, D, if you have a trouble in the USB-COM adaptor. (C)Limiting speed seems to be well.