Tool needed:

- 1. A Virtual Serial Com software (in this example I've used Com0Com, free)
- 2. RadioSync (provided with EESDR3, you find it in the EESDR folder)
- 1. Install Com0Com
- Create 2 comport pairs.
 I created com 11-12 for keyer and 18-19 for CAT. Flag as below

Setup for com0com		—	
 Nitual Port Pair 3 COM11 COM12 Virtual Port Pair 5 COM15 COM16 Virtual Port Pair 6 COM19 COM18 	COM11 use Ports class emulate baud rate enable buffer overun enable plug-in mode enable exclusive mode enable hidden mode RX TX DTR DTR DSR DCD RTS RTS RTS RTS QUT1 OUT1 OUT2 OPEN OPEN		COM12 orts class e baud rate buffer overrun plug-in mode e exclusive mode c ex
Add Pair Remove	Reset		Apply

3. Open RadioSync



4. Click on the + symbol. This adds a new tab

	🥏 RadioSync				—	
	n1mm	6		CAT (T	S-480) •	
5	loca.nost:40001		Port nam	ne	COM18	
		Transceiver 1	Parity		None	
		TX as Mute	1		8	
			scop bit		1	
			Baud rat	e	57600	
			PTT		None	
			Keyer		None	
			CW Skim	nmer mode		
				PTT tra	ansfer 🔍	
			Port nam	ne	None	
			РТТ		DTR	
				Source	card	
				Joune		
			тх	Unused		
			RX	Unused		
			Sample	rate	8 kHz	
	t t		i			+

- 5. Add a name (N1MM)
- 6. Add the number of your TCI port (you find it in EESDR3)
- 7. Add one of the created comport, in my example 18, and related parameters
- 8. Open N1MM and go to the config/configure ports etc and select COM19 which is paired to com18, radio as expertsdr and port parameters (similar to the parameters added in Radiosync).

🔛 Configu	irer								×
Hardware F	Functio	n Keys Digital M	odes C	Other Wink	key Mode	Control Antennas	Score Rep	orting Broadcast Data	WSJT/JTDX Setup
Port		Radio	Digi	i CW/Other	Details	IP Addr:Port	0 S01V	0 S02V 0 S02R	
COM19	\sim	ExpertSDR			Set			57600,N,8,1,DTR=Alwa	ys Off,RTS=Always
COM12	~	None	_ C		Set			DTR=Always On,RTS=/	Always Off,Tx=1
None	~	None			Set				
None	~	None			Set				
None	~	None			Set				
None	~	None			Set				
None	~	None			Set				
None	\sim	None			Set				
LPT1					Set				
LPT2					Set				
LPT3					Set				
			_						
		ОК		Cance			Help		

- 9. Close N1mm configurator
- 10. Enable the tab in radiosync. If TCI and CAT are green, EESDR3 and N1MM are cat connected.



This will end the CAT configuration.

To configure the SunSDR internal keyer:

- 1. go back in Radiosync and create a second tab. Name it Keyer (or what is convenient for you)
- 2. add the TCI port (as point 6)
- 3. add port 11 (one of the other comport pair created) under CAT (TS480). Configure related values
- 4. Open N1MM configurator/configure ports etc.
- 5. Go to the second row and select com12. Flag CW/Other
- 6. Click Set and flag Winkey. Add a CW delay as per your needs (it is based on your PA if you have any). I have a ACOM600 and I found that 20 is fine but 30 is safer. Select RTS and DTR as in figure.

🞇 Config	gurer																\times
Hardware	Functio	n Keys	Digital Mod	les O	ther	Winke	y M	ode Co	ontro	Antennas	Score	e Reporting	Broadca	st Data	WS IT/IT	IDX Setu	ID
										Com12							\times
Port		Radio		Digi	CW	Other [Details										
COM19		Expert	SDR	49		-	Set		_								
COM12	~	None				L	Set	J,	_	DTR (pin 4)		RTS (pin 7)			VFO	Nr	
None	~	None					Set		_	Always On	\sim	Always Off	\sim		1	~	
None	~	None					Set			PTT Delay (r	nsec)						
None	~	None					Set			30							
None	~	None		_ 0			Set			Rig Blaste	er Inter	rupt					
None	~	None		70			Set			WinKey							
None	~	None		70			Set										
LPT1							Set										
LPT2							Set			Two Radio F	rotoco	FootSw	itch (pin 6	5)			
LPT3							Set			None	\sim	None	`	2			
										Help					ок	Cance	1
			ок		(Cancel					Help						
				_	-												

- 7. Close Com12 config menu
- 8. Close N1mm configurator
- 9. Enable the tab in radiosync. If TCI and CAT are green, EESDR3 keyer and N1MM are connected.

🥐 RadioSyr	ic								—		×
	n1mm	TCI 🧧	CAT 🧧	VAC •	IQ ●	TRF •	R.SYC ●	PTT •			
	QARTest	tci 🔹	CAT •	VAC	IQ ●	TRF •	R.SYC •	PTT •		Î	
	keyer	TCI 🧧	CAT 🧧	VAC •	IQ ●	TRF •	R.SYC •	PTT •			