

KENWOOD TM-V71 and TM-D710 Commands

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IMPORTANT: Use SPACE between the Command and the first Parameter, divide the Parameters with Comma.
[Overview](#)

CC	Sets or reads the CALL channel.										Parameters:
Set	1	2	3	4	5	6	7	8	9	10	P1
	C	C	P1	P2	P2	P2	P2	P2	P2	P2	0: A Band, 1: B Band
											P2
	11	12	13	14	15	16	17	18	19	20	Frequency in Hz (10 digit)
	P2	P2	P2	P3	P4	P5	P6	P7	P8	P9	P3
											Step, 0-A: See Step table.
	21	22	23	24	25	26	27	28	29	30	P4
	P9	P10	P10	P11	P11	P11	P12	P12	P12	P12	Shift direction, 0: No shift, 1: Plus, 2: Minus
											P5
	31	32	33	34	35	36	37	38	39	40	Reverse, 0: Off, 1: On
P12	P12	P12	P12	P13	P14	P14	P14	P14	P14	P6	
										Tone, 0: Off, 1: On	
41	42	43	44	45	46	47	48	49	50	P7	
P14	P14	P14	P14	P14	P15					CT, 0: Off, 1: On	
Read	1	2	3	4	5	6	7	8	9	10	P8
	C	C	P1								DSC, 0: Off, 1: On
											P9
											Tone frequency, 1-42: See Tone and CT mapping table
Answer	1	2	3	4	5	6	7	8	9	10	P10
	C	C	P1	P2	P2	P2	P2	P2	P2	P2	CT frequency, 1-42: See Tone and CT mapping table
											P11
	11	12	13	14	15	16	17	18	19	20	DSC, 0-103: See DSC mapping table
	P2	P2	P2	P3	P4	P5	P6	P7	P8	P9	P12
											Offset frequency in Hz (8 digit)
	21	22	23	24	25	26	27	28	29	30	P13
	P9	P10	P10	P11	P11	P11	P12	P12	P12	P12	Mode, 0: FM, 1: NFM, 2: AM
											P14
	31	32	33	34	35	36	37	38	39	40	TX frequency? (10 digit)
P12	P12	P12	P12	P13	P14	P14	P14	P14	P14	P15	
										Unknown?	
41	42	43	44	45	46	47	48	49	50		
P14	P14	P14	P14	P14	P15						

DL	Dual Band Mode/Single Band Mode										Parameters:
Set	1	2	3	4	5	6	7	8	9	10	P1
	D	L	P1								0: Dual Band, 1: Single Band
											CTRL Band remains.
Read	1	2	3	4	5	6	7	8	9	10	
	D	L	P1								
Answer	1	2	3	4	5	6	7	8	9	10	
	D	L	P1								

ID	Radio Model.										Parameters:
Set	1	2	3	4	5	6	7	8	9	10	P1
											Returns radio model TM-V71/TM-D710
Read	1	2	3	4	5	6	7	8	9	10	
	I	D									
Answer	1	2	3	4	5	6	7	8	9	10	
	I	D	P1	P1	P1	P1	P1	P1	(P1)		

AE	Radio serialnumber.										Parameters:
Set	1	2	3	4	5	6	7	8	9	10	P1
											Returns radio serial number
											P2
Read	1	2	3	4	5	6	7	8	9	10	Unknown
	A	E									
Answer	1	2	3	4	5	6	7	8	9	10	
	A	E	P1	P1	P1	P1	P1	P1	P1	P1	
	11	12	13	14	15	16	17	18	19	20	

FV		Firmware version.									Parameters:
Set	1	2	3	4	5	6	7	8	9	10	P1
											0: Main unit, 1: Control panel
Read	1	2	3	4	5	6	7	8	9	10	P2
	F	V	P1								Hardware version ?
Answer	1	2	3	4	5	6	7	8	9	10	P3
	F	V	P1	P2	P2	P2	P3	P3	P3	P4	Firmware version
											P4
											Unknown
	11	12	13	14	15	16	17	18	19	20	P5
											Unknown

TY		Radio Type.									Parameters:
Set	1	2	3	4	5	6	7	8	9	10	P1
											Returns radio type M = EU K = US
Read	1	2	3	4	5	6	7	8	9	10	P2
	T	Y									Jumper 0? 0: MARS/CAP TX expansion
Answer	1	2	3	4	5	6	7	8	9	10	P3
	T	Y	P1	P2	P3	P4	P5				Jumper 1? 0: Max TX expansion
											P4
											Jumper 2? 1: Cross Band
	1	2	3	4	5	6	7	8	9	10	P5
	T	Y	P1	P2	P3	P4	P5	P5			Jumper 4? 0: SkyCommand

DW		Emulates the Microphone Down Key.									Parameters:
Set	1	2	3	4	5	6	7	8	9	10	P1
	D	W	P1	P1							Only DW: 1 step down (frequency/memory)
Read	1	2	3	4	5	6	7	8	9	10	P1
											Number of steps down.
Answer	1	2	3	4	5	6	7	8	9	10	
	D	W	P1	P1							

UP		Emulates the Microphone Up Key.									Parameters:
Set	1	2	3	4	5	6	7	8	9	10	P1
	U	P	P1	P1							Only UP: 1 step up (frequency/memory)
Read	1	2	3	4	5	6	7	8	9	10	P1
											Number of steps up.
Answer	1	2	3	4	5	6	7	8	9	10	
	U	P	P1	P1							

LK		Sets or reads the key lock function status.									Parameters:
Set	1	2	3	4	5	6	7	8	9	10	P1
	L	K	P1								0: Off, 1: On
Read	1	2	3	4	5	6	7	8	9	10	
	L	K									
Answer	1	2	3	4	5	6	7	8	9	10	
	L	K	P1								

PC		Sets or reads the output power.									Parameters:
Set	1	2	3	4	5	6	7	8	9	10	P1
	P	C	P1	P2							0: A Band, 1: B Band
Read	1	2	3	4	5	6	7	8	9	10	P2
	P	C	P1								0: High, 1: Mid, 2: Low
Answer	1	2	3	4	5	6	7	8	9	10	
	P	C	P1	P2							

SQ		Sets or reads the squelch status.										Parameters:
Set	1	2	3	4	5	6	7	8	9	10	P1	
	S	Q	P1	P2	P2						0: A Band, 1: B Band	
Read	1	2	3	4	5	6	7	8	9	10	P2	
	S	Q	P1								00 - 1F Squelch status	
Answer	1	2	3	4	5	6	7	8	9	10		
	S	Q	P1	P2	P2							

BY		Reads the squelch status.										Parameters:
Set	1	2	3	4	5	6	7	8	9	10	P1	
											0: A Band, 1: B Band	
Read	1	2	3	4	5	6	7	8	9	10	P2	
	B	Y	P1								0: Closed, 1: Open	
Answer	1	2	3	4	5	6	7	8	9	10		
	B	Y	P1	P2								

PV		Programmable VFO										Parameters:
Set	1	2	3	4	5	6	7	8	9	10	P1	
	P	V	P1	P2	P2	P2	P3	P3	P3	P3	VFO 0-9 (See below.)	
	11	12	13	14	15	16	17	18	19	20	0: A band, 118 - 1: A band, 144 - 2: A band, 220	
	P3										3: A band, 300 - 4: A band, 430 - 5: B band, 144	
Read	1	2	3	4	5	6	7	8	9	10	P2	
	P	V	P1								Lower frequency in MHz. (4 digit)	
Answer	1	2	3	4	5	6	7	8	9	10	P3	
	P	V	P1	P2	P2	P2	P3	P3	P3	P3	Upper frequency in MHz. (4 digit)	
	11	12	13	14	15	16	17	18	19	20		
	P3											

MR		Reads the memory channel number.										Parameters:
Set	1	2	3	4	5	6	7	8	9	10	P1	
	M	R	P1	P2	P2	P2					0: A Band, 1: B Band	
Read	1	2	3	4	5	6	7	8	9	10	P2	
	M	R	P1								Memory channel number (3 digit)	
Answer	1	2	3	4	5	6	7	8	9	10		
	M	R	P1	P2	P2	P2						

MN		Sets or reads the memory name.										Parameters:
Set	1	2	3	4	5	6	7	8	9	10	P1	
	M	N	P1	P1	P1	P2	P2	P2	P2	P2	Memory channel number (3 digit)	
	11	12	13	14	15	16	17	18	19	20	P2	
	P2	P2*	P2*								Name (Must be in Upper Case.)	
Read	1	2	3	4	5	6	7	8	9	10	P2	
	M	N	P1	P1	P1						TM-V71 Up to 6 characters.	
Answer	1	2	3	4	5	6	7	8	9	10	P2	
	M	N	P1	P1	P1	P2	P2	P2	P2	P2	* TM-D710 Up to 8 characters.	
	11	12	13	14	15	16	17	18	19	20		
	P2	P2*	P2*									

MS		Sets the Power-On Message.										Parameters:
Set	1	2	3	4	5	6	7	8	9	10	P1	
	M	S	P1	P1	P1	P1	P1	P1	P1*	P1*	Name (Must be in Upper Case.)	
Read	1	2	3	4	5	6	7	8	9	10	P1	
	M	S									* TM-D710 Up to 8 characters.	
Answer	1	2	3	4	5	6	7	8	9	10		

ME	Sets and reads the Memory channel										Parameters:
Set	1	2	3	4	5	6	7	8	9	10	P1
	M	E	P1	P1	P1	P2	P2	P2	P2	P2	Memory channel number (3 digit)
											P2
	11	12	13	14	15	16	17	18	19	20	Frequency in Hz (10 digit) C: Clears the channel
	P2	P2	P2	P2	P2	P3	P4	P5	P6	P7	P3
											Step, 0-A: See Step table.
	21	22	23	24	25	26	27	28	29	30	P4
	P8	P9	P9	P10	P10	P11	P11	P11	P12	P12	Shift direction, 0: No shift, 1: Plus, 2: Minus
											P5
	31	32	33	34	35	36	37	38	39	40	Reverse, 0: Off, 1: On
P12	P12	P12	P12	P12	P12	P13	P14	P14	P14	P6	
										Tone, 0: Off, 1: On	
41	42	43	44	45	46	47	48	49	50	P7	
P14	P14	P14	P14	P14	P14	P14	P15	P16		CT, 0: Off, 1: On	
										P8	
Read	1	2	3	4	5	6	7	8	9	10	DSC, 0: Off, 1: On
	M	E	P1	P1	P1						P9
											Tone frequency, 1-42: See Tone and CT mapping table
Answer	1	2	3	4	5	6	7	8	9	10	P10
	M	E	P1	P1	P1	P2	P2	P2	P2	P2	CT frequency, 1-42: See Tone and CT mapping table
											P11
	11	12	13	14	15	16	17	18	19	20	DSC, 0-103: See DSC mapping table
	P2	P2	P2	P2	P2	P3	P4	P5	P6	P7	P12
											Offset frequency in Hz (8 digit)
	21	22	23	24	25	26	27	28	29	30	P13
	P8	P9	P9	P10	P10	P11	P11	P11	P12	P12	Mode, 0: FM, 1: NFM, 2: AM
											P14
	31	32	33	34	35	36	37	38	39	40	TX frequency? (10 digit)
P12	P12	P12	P12	P12	P12	P13	P14	P14	P14	P15	
										Unknown?	
41	42	43	44	45	46	47	48	49	50	P16	
P14	P14	P14	P14	P14	P14	P14	P15	P16		Memory Lockout	

RX		Sets the radio in receive.										Parameters:											
Set	1	2	3	4	5	6	7	8	9	10	R	X											
Read	1	2	3	4	5	6	7	8	9	10													
Answer	1	2	3	4	5	6	7	8	9	10	R	X											

TX		Sets the radio in transmit.										Parameters:											
Set	1	2	3	4	5	6	7	8	9	10	T	X	P1										
Read	1	2	3	4	5	6	7	8	9	10													
Answer	1	2	3	4	5	6	7	8	9	10	T	X	P1										

TT		Transmits a 1750 Hz tone.										Parameters:											
Set	1	2	3	4	5	6	7	8	9	10	T	T											
Read	1	2	3	4	5	6	7	8	9	10													
Answer	1	2	3	4	5	6	7	8	9	10	T	T											

AS		Sets or reads the Reverse status.										Parameters:											
Set	1	2	3	4	5	6	7	8	9	10	A	S	P1	P2									
Read	1	2	3	4	5	6	7	8	9	10	A	S	P1										
Answer	1	2	3	4	5	6	7	8	9	10	A	S	P1	P2									

SR		Reset										Parameters:											
Set	1	2	3	4	5	6	7	8	9	10	S	R	P1										
Read	1	2	3	4	5	6	7	8	9	10													
Answer	1	2	3	4	5	6	7	8	9	10													

FO		Sets or reads the VFO channel.										Parameters:																					
Set	1	2	3	4	5	6	7	8	9	10	F	O	P1	P2	P2	P2	P2	P2	P2	P2	P2	P2											
	11	12	13	14	15	16	17	18	19	20													P2	P2	P2	P2	P2	P2	P2	P2	P2	P2	P2
	P2	P2	P2	P3	P4	P5	P6	P7	P8	P9																							
	21	22	23	24	25	26	27	28	29	30																							
	P9	P10	P10	P11	P11	P11	P12	P12	P12	P12																							
	31	32	33	34	35	36	37	38	39	40																							
	P12	P12	P12	P12	P13																												
Read	1	2	3	4	5	6	7	8	9	10	F	O	P1																				
Answer	1	2	3	4	5	6	7	8	9	10	F	O	P1	P2	P2	P2	P2	P2	P2	P2	P2												
	11	12	13	14	15	16	17	18	19	20												P9	P10	P10	P11	P11	P11	P12	P12	P12	P12		
	P2	P2	P2	P3	P4	P5	P6	P7	P8	P9																							
	21	22	23	24	25	26	27	28	29	30																							
	P9	P10	P10	P11	P11	P11	P12	P12	P12	P12																							
	31	32	33	34	35	36	37	38	39	40																							
	P12	P12	P12	P12	P13																												

BC		Sets or reads PTT and CTRL Band.									Parameters:
Set	1	2	3	4	5	6	7	8	9	10	P1
	B	C	P1	P2							0: CTRL A Band, 1: CTRL B Band
Read	1	2	3	4	5	6	7	8	9	10	P2
	B	C									0: PTT A Band, 1: PTT B Band
Answer	1	2	3	4	5	6	7	8	9	10	
	B	C	P1	P2							

VM		Sets or reads Memory/VFO Mode.									Parameters:
Set	1	2	3	4	5	6	7	8	9	10	P1
	V	M	P1	P2							0: A Band, 1: B Band
Read	1	2	3	4	5	6	7	8	9	10	P2
	V	M	P1								0: VFO Mode, 1: MEMORY Mode 2: Call Mode, 3: WX Mode
Answer	1	2	3	4	5	6	7	8	9	10	
	V	M	P1	P2							

CD		Sets or reads Channel Status.									Parameters:
Set	1	2	3	4	5	6	7	8	9	10	P1
	C	D	P1	P2							0: Frequency Mode, 1: Channel Mode
Read	1	2	3	4	5	6	7	8	9	10	
	C	D									
Answer	1	2	3	4	5	6	7	8	9	10	
	C	D	P1								

0M KENWOOD		Enter Service mode									Parameters:
Set	1	2	3	4	5	6	7	8	9	10	
	0	M	K	E	N	W	O	O	D		
Read	1	2	3	4	5	6	7	8	9	10	
Answer	1	2	3	4	5	6	7	8	9	10	
	0	G									

0M PROGRAM		Sets the radio to read data from MCP-2A.									Parameters:
Set	1	2	3	4	5	6	7	8	9	10	
	0	M	P	R	O	G	R	A	M		
Read	1	2	3	4	5	6	7	8	9	10	
Answer	1	2	3	4	5	6	7	8	9	10	
	0	M									

BT		Burst tone										Parameters:
Set	1	2	3	4	5	6	7	8	9	10	P1	
	B	T	P1									0: 1000 Hz
Read	1	2	3	4	5	6	7	8	9	10	1: 1450 Hz	
	B	T									2: 1750 Hz	
Answer	1	2	3	4	5	6	7	8	9	10	3: 2100 Hz	
	B	T	P1									

DM		Sets or reads the DTMF Memory.										Parameters:
Set	1	2	3	4	5	6	7	8	9	10	P1	
	D	M	P1	P2	P2	P2	P2	P2	P2	P2	DTMF Memory Channel 0 - 9.	
	11	12	13	14	15	16	17	18	19	20	P2	
Read	1	2	3	4	5	6	7	8	9	10	DTMF Code (16 digit)	
	D	M	P1								For Codes with fewer digits, replace the remaining digits with SPACE.	
Answer	1	2	3	4	5	6	7	8	9	10		
	D	M	P1	P2	P2	P2	P2	P2	P2	P2		
	11	12	13	14	15	16	17	18	19	20		
	P2	P2	P2	P2	P2	P2	P2	P2	P2	P2		

SS		Sets or reads S-Meter Squelch.										Parameters:
Set	1	2	3	4	5	6	7	8	9	10	P1	
	S	S	P1	P2							0: A Band, 1: B Band	
Read	1	2	3	4	5	6	7	8	9	10	P2	
	S	S	P1								0: S-meter Squelch OFF	
Answer	1	2	3	4	5	6	7	8	9	10	1: S-meter Squelch ON	
	S	S	P1	P2							0-7: S-meter Squelch level	

DT		DTMF (The radio must be in TX.)										Parameters:
Set	1	2	3	4	5	6	7	8	9	10	P1	
	D	T	P1	P2							See DTMF table.	
Read	1	2	3	4	5	6	7	8	9	10	P2	
											See DTMF Table.	
Answer	1	2	3	4	5	6	7	8	9	10		
	D	T	P1	P2								

RT		Unknown. Works only on TM-D710??										Parameters:
Set	1	2	3	4	5	6	7	8	9	10	P1	
	R	T	?	?	?							
Read	1	2	3	4	5	6	7	8	9	10		
	R	T	?	?	?							
Answer	1	2	3	4	5	6	7	8	9	10		
	R	T	?	?	?							

MU	Sets and reads the Menu										Parameters:
Set	1	2	3	4	5	6	7	8	9	10	P1
	M	U	P1	P2	P3	P4	P5	P6	P7	P8	Beep 0: OFF, 1: ON
											P2
	11	12	13	14	15	16	17	18	19	20	Beep Volume 1-7
	P9	P9	P10	P11	P12	P13	P14	P15	P16	P17	P3
											Ext. Speaker Mode
	21	22	23	24	25	26	27	28	29	30	P4
	P18	P19	P20	P21	P22	P23	P24	P25	P26	P27	Announce 0: OFF, 1: Auto, 2: Manual
											P5
	31	32	33	34	35	36	37	38	39	40	Language 0: English, 1: Japanese
	P28	P29	P29	P30	P30	P31	P31	P32	P32	P33	P6
											Voice Volume 0-7
	41	42	43	44	45	46	47	48	49	50	P7
	P33	P34	P34	P35	P36	P37	P38	P39	P40	P41	Voice Speed 0-4
										P8	
51	52	53	54	55	56	57	58	59	60	Playback repeat 0: OFF, 1: ON	
P42										P9	
Read	1	2	3	4	5	6	7	8	9	10	P10
	M	U									Playback repeat interval 00-60
Answer											Continuous Recording 0: OFF, 1: ON
											P11
	1	2	3	4	5	6	7	8	9	10	VHF AIP 0: OFF, 1: ON
	M	U	P1	P2	P3	P4	P5	P6	P7	P8	P12
											UHF AIP 0: OFF, 1: ON
	11	12	13	14	15	16	17	18	19	20	P13
	P9	P9	P10	P11	P12	P13	P14	P15	P16	P17	S-meter SQL hang up time. See MENU tables.
											P14
	21	22	23	24	25	26	27	28	29	30	Mute hang up time. See MENU tables.
	P18	P19	P20	P21	P22	P23	P24	P25	P26	P27	P15
											Beat Shift 0: OFF, 1: ON
	31	32	33	34	35	36	37	38	39	40	P16
	P28	P29	P29	P30	P30	P31	P31	P32	P32	P33	Time-out timer. See MENU tables.
											P17
41	42	43	44	45	46	47	48	49	50	Recall method 0: All, 1: Current	
P33	P34	P34	P35	P36	P37	P38	P39	P40	P41	P18	
										EchoLink Speed 0: Fast, 1: Slow	
51	52	53	54	55	56	57	58	59	60	P19	
P42										DTMF hold 0: OFF, 1: ON	
										P20	
										DTMF Speed 0: Fast, 1: Slow	
										P21	
										DTMF Pause. See MENU tables.	
										P22	
										DTMF Key Lock 0: OFF, 1: ON	
										P23	
										Auto Repeater Offset 0: OFF, 1: ON	
										P24	
										1750 TX Hold 0: OFF, 1: ON	
										P25	
										Unkown	
										P26	
										Brightness level 0: OFF, 1: MAX	
										P27	
										Auto brightness 0: OFF, 1: ON	
										P28	
										Backlight Color 0: Amber, 1: Green	
										P29	
										PF 1 key. See MENU tables.	
										P30	
										PF 2 key. See MENU tables.	
										P31	
										Mic PF 1 key. See MENU tables.	
										P32	
										Mic PF 2 key. See MENU tables.	
										P33	
										Mic PF 3 key. See MENU tables.	
										P34	
										Mic PF 4 key. See MENU tables.	
										P35	
										Mic key lock 0: OFF, 1: ON	
										P36	
										SCAN resume 0: Time, 1: Carrier, 2: Seek	
										P37	
										APO. See MENU tables.	
										P38	
										Ext. Data Band. See MENU tables.	
										P39	
										Ext. DATA Speed 0: 1200, 1: 9600	
										P40	
										SOC Source. See MENU tables.	
										P41	
										Auto PM Store 0: OFF, 1: ON	
										P42	
										Display Partition Bar 0: OFF, 1: ON	

SR	Unknown										Parameters:
Set	1	2	3	4	5	6	7	8	9	10	P1
	S	R	P1?	P2?							Unknown
	11	12	13	14	15	16	17	18	19	20	Unknown
Read	1	2	3	4	5	6	7	8	9	10	
	S	R									
Answer	1	2	3	4	5	6	7	8	9	10	
	S	R	P1?	P2?							
	11	12	13	14	15	16	17	18	19	20	

TC	Sets or reads the internal TNC mode.										Parameters:
Set	1	2	3	4	5	6	7	8	9	10	P1
	T	C	P1								0: TNC OFF 1: TNC ON
Read	1	2	3	4	5	6	7	8	9	10	
	T	C									
Answer	1	2	3	4	5	6	7	8	9	10	
	T	C	P1								

BL	Sets or reads Backlight status.										Parameters:
Set	1	2	3	4	5	6	7	8	9	10	P1
	B	L	P1	P2							0: Yellow light, 1: Green light
Read	1	2	3	4	5	6	7	8	9	10	P2
	B	L									0:OFF 1-8: Level
Answer	1	2	3	4	5	6	7	8	9	10	
	B	L	P1	P2							

OM	Unknown										Parameters:
Set	1	2	3	4	5	6	7	8	9	10	P1
	0	M	P1?	P2?							Unknown
	11	12	13	14	15	16	17	18	19	20	Unknown
Read	1	2	3	4	5	6	7	8	9	10	
	0	M	P1?								
Answer	1	2	3	4	5	6	7	8	9	10	
	0	M	P1?	P2?							
	11	12	13	14	15	16	17	18	19	20	

KENWOOD TM-D710 and RC-D710 TNC Commands

by
LA3QMA Kai Gunter Brandt

Rev. 01 - 26 nov. 2007

[Overview](#)

ShortCommand		Remarks		
ASYRXOVR	AS			New
AUTOLF	AU			
ABAUD	AB			New
ACKPRIOR	AC	on/off		New
AFILTER				
AX25L2V2	AX	on/off		New
AXDELAY				Choose between ax24 level v2 or v1
AXHANG				
BEACON				
BBFAIED	BB			New
BTEXT				
CBELL	CB	on/off		New
CMDTIME	CM	n		New
CHECK				Sends a bell tone through the computer or terminal when a packet connection is made
CMSG	CMS	on/off		New
CMSGDISC	CMSG	on/off		New
CPACTIME				Controls whether the tnc will initiate a disconnect sequence after it is connected to
CR				
CS	CS			New
CONOK				Returns: A-K stream IO Link state: connected/disconnected
CONMODE				
CONSTAMP				
DAYSTAMP				
DAYUSA				
DWAIT				
DIGIPEAT				
DIGISENT	DIGIS	n		New
ESCAPE	ES	on/off		New
ECHO				
EPATH				
	FI			New
FLOVER				Returns: xxxxx bytes free.Next message number 1
FLOW				
FRACK				
FULLDUP				
GBAUD				
GPSFILT1				
GPSFILT2				
GPSFILT3				
GPSFILT4				
GPSTEXT				
HBAUD				
HEALLED				
HID				
HOVRERR	HO			New
HUNDRERR	HU			New
KISS				
KILL				
LCSTREAM				
LOCATION				
LPATH				
LTEXT				
LTMON				
MONITOR				
MBOD				
MAIL				
MALL	MA	on/off		New
MCON				Determines the class of packets which are monitored
MRPT				
MSTAMP				
MYCALL				
MYALIAS				
MYMCALL				
MAXFRAME				
MCOM				
NEWMODE				
NOMODE				
NPATH				
NTSGRP				
NTSMRK				
NTSMMSG				
OVERKILL				
PACLEN				
PASSALL	PASSA	on/off		New
				Causes the tnc to display packets received with invalid crc fields

PACTIME					
PERSIST					
PPERSIST					
RCVDFRMR	RCVDF			New	
RCVDIFRA	RCVDR			New	
RCVDREJ	RCVDRE			New	
RCVDSABM	RCVDS			New	
RETRY					
RESPTIME					
ROUTE					
RXBLOCK	RX	on/off		New	Determines whether the information will be sent in standard or block format
RXCOUNT	RXC			New	
RXERRORS	RXE			New	Rxerrors
SENDPAC					
SENTFRMR	SENTF			New	
SENTIFRA	SENTI			New	
SENTREJ	SENTR			New	
SLOTTIME					
SOFTDCD		on/off		New	
SPATH					
STREAMSW					
STREAMCA					
STREAMDB					
TOUT					
TRIES					
TRACE					
TXCOUNT	TXC			New	
TXDELAY					
TXTMO	TXT			New	
UNPROTO					
USERS					
UIDIGI					
UICHECK					
UIDWAIT					
UIFLOOD					
UISSID					
UITRACE					
WPATH				New	
XFLOW					

No.	DCS Code
001	023
002	025
003	026
004	031
005	032
006	036
007	043
008	047
009	051
010	053
011	054
012	065
013	071
014	072
015	073
016	074
017	114
018	115
019	116
020	122
021	125
022	131
023	132
024	134
025	143
026	145
027	152
028	155
029	156
030	162
031	165
032	172
033	174
034	205
035	212
036	223
037	225
038	226
039	243
040	244
041	245
042	246
043	251
044	252
045	255
046	261
047	263
048	265
049	266
050	271
051	274
052	306

No.	DCS Code
053	311
054	315
055	325
056	331
057	332
058	343
059	346
060	351
061	356
062	364
063	365
064	371
065	411
066	412
067	413
068	423
069	431
070	432
071	445
072	446
073	452
074	454
075	455
076	462
077	464
078	465
079	466
080	503
081	506
082	516
083	523
084	565
085	532
086	546
087	565
088	606
089	612
090	624
091	627
092	631
093	632
094	654
095	662
096	664
097	703
098	712
099	723
100	731
101	732
102	734
103	743
104	754

DTMF table	
Code P1, P2	Transmit
0,0	0
0,1	1
0,2	2
0,3	3
0,4	4
0,5	5
0,6	6
0,7	7
0,8	8
0,9	9
0,A	A
0,B	B
0,C	C
0,D	D
0,E	*
0,F	#
1,1	697 Hz
1,2	770 Hz
1,3	852 Hz
1,4	941 Hz
1,5	1209 Hz
1,6	1336 Hz
1,7	1447 Hz
1,8	1633 Hz

Programmable Keys							
Code	Function	PF 1	PF 2	Mic PF 1	Mic PF 2	Mic PF 3	Mic PF 4
00	WX	X	X	X	X	X	X
01	Frequency Band	X	X	X	X	X	X
02	CTRL	X	X	X	X	X	X
03	Monitor	X	X	X	X	X	X
04	VGS	X	X	X	X	X	X
05	VOICE	X	X	X	X	X	X
06	Group Up	X	X	X	X	X	X
07	Menu	X	X	X	X	X	X
08	Mute	X	X	X	X	X	X
09	Shift	X	X	X	X	X	X
0A	Dual	X	X	X	X	X	X
0B	M>V	X	X	X	X	X	X
0C	VFO	-	-	X	X	X	X
0D	MR	-	-	X	X	X	X
0E	CALL	-	-	X	X	X	X
0F	MHz	-	-	X	X	X	X
10	Tone	-	-	X	X	X	X
11'	REV	-	-	X	X	X	X
12	LOW	-	-	X	X	X	X
13	LOCK	-	-	X	X	X	X
14	A/B	-	-	X	X	X	X
15	ENTER	-	-	X	X	X	X
16	1750 Hz	X	X	X	X	X	X

S-meter SQL hang up time	
Code	Function
0	OFF
1	125
2	250
3	500

Mute hang up time	
Code	Function
0	OFF
1	125
2	250
3	500
4	750
5	1000

Time-out timer	
Code	Function
0	3 min
1	5 min
2	10 min

DTMF Pause	
Code	Function
0	100
1	250
2	500
3	750
4	1000
5	1500
6	2000

APO	
Code	Function
0	OFF
1	30 min
2	60 min
3	90 min
4	120 min
5	180 min

DATA BAND	
Code	Function
0	Band A
1	Band B
2	TX A - RX B
3	TX B - RX A

SQC Source	
Code	Function
0	OFF
1	BUSY
2	SQL
3	TX
4	BUSY or TX
5	SQL or TX

Step size	
Code	Frequency (kHz)
0	5
1	6,25
2	8,33
3	10
4	12,5
5	15
6	20
7	25
8	30
9	50
A	100

Does not work on 1200 MHz band.

Does not work on 1200 MHz band.

Only works on Air Band.

Does not work on 1200 MHz band.

No.	Frequency (Hz)
1	67.0
2	69.3
3	71.9
4	74.4
5	77.0
6	79.7
7	82.5
8	85.4
9	88.5
10	91.5
11	94.8
12	97.4
13	100.0
14	103.5
15	107.2
16	110.9
17	114.8
18	118.8
19	123.0
20	127.3
21	131.8
22	136.5
23	141.3
24	146.2
25	151.4
26	156.7
27	162.2
28	167.9
29	173.8
30	179.9
31	186.2
32	192.8
33	203.5
34	206.5
35	210.7
36	218.1
37	225.7
38	229.1
39	233.6
40	241.8
41	250.3
42	254.1