

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
Read	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
											P8
	1	2	3	4	5	6	7	8	9	10	DSC, 0: Off, 1: On
	C	C	P1								P9
											Tone frequency, 1-42: See Tone and CT mapping table
	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
Answer											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
Read											CTRL Band remains.
	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
Read											P2
	1	2	3	4	5	6	7	8	9	10	Unknown
Answer	A	E									
	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	
	P2	P2	P2								

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											P3
											Firmware version
	1	2	3	4	5	6	7	8	9	10	P4
	F	V	P1	P2	P2	P2	P3	P3	P3	P4	Unknown
											P5
	11	12	13	14	15	16	17	18	19	20	Unknown
	P5										

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											P3
											Jumper 1? 0: Max TX expansion
	1	2	3	4	5	6	7	8	9	10	P4
	T	Y	P1	P2	P3	P4	P5				Jumper 2? 1: Cross Band
	1	2	3	4	5	6	7	8	9	10	P5
	T	Y	P1	P2	P3	P4	P5	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											P1
	1	2	3	4	5	6	7	8	9	10	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											P1
	1	2	3	4	5	6	7	8	9	10	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	
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											P2
	1	2	3	4	5	6	7	8	9	10	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		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		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	
	M	N	P1	P1	P1						TM-V71 Up to 6 characters.
Answer	1	2	3	4	5	6	7	8	9	10	
	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	
	M	S									TM-V71 Up to 6 characters.
Answer	1	2	3	4	5	6	7	8	9	10	
											* TM-D710 Up to 8 characters.

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
Read											P8
	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	P1
	T	X									0: TX on A Band, 1: TX on B Band
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	Use TT or RX to stop.
	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	P1
	A	S	P1	P2							0: A Band, 1: B Band
Read	1	2	3	4	5	6	7	8	9	10	P2
	A	S	P1								0: Normal, 1: Reverse
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	P1
	S	R	P1								0: VFO
Read	1	2	3	4	5	6	7	8	9	10	1: Part
											2: PM
Answer	1	2	3	4	5	6	7	8	9	10	3: Full

FO	Sets or reads the VFO channel.										Parameters:
Set	1	2	3	4	5	6	7	8	9	10	P1
	F	O	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	Freq. in Hz (10 digit). Must be within the selected band.
	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
Read	1	2	3	4	5	6	7	8	9	10	P6
	F	O	P1								Tone, 0: Off, 1: On
Answer	1	2	3	4	5	6	7	8	9	10	P7
	F	O	P1	P2	P2	P2	P2	P2	P2	P2	CT, 0: Off, 1: On
											P8
											DSC, 0: Off, 1: On
											P9
											Tone frequency, 1-42: See Tone and CT mapping table
	11	12	13	14	15	16	17	18	19	20	P10
	P2	P2	P2	P3	P4	P5	P6	P7	P8	P9	CT frequency, 1-42: See Tone and CT mapping table
											P11
	21	22	23	24	25	26	27	28	29	30	DSC, 0-103: See DSC mapping table
Answer	P9	P10	P10	P11	P11	P11	P12	P12	P12	P12	P12
											Offset frequency in Hz (8 digit)
	31	32	33	34	35	36	37	38	39	40	P13
	P12	P12	P12	P12	P13						Mode, 0: FM, 1: NFM, 2: AM

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.
											P2
	11	12	13	14	15	16	17	18	19	20	DTMF Code (16 digit)
Read	1	2	3	4	5	6	7	8	9	10	For Codes with fewer digits, replace the remaining digits with SPACE.
	D	M	P1								
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
Read	51	52	53	54	55	56	57	58	59	60	P8
	P42										Playback repeat 0: OFF, 1: ON
Answer											P9
	1	2	3	4	5	6	7	8	9	10	Playback repeat interval 00-60
	M	U									P10
											Continuous Recording 0: OFF, 1: ON
	1	2	3	4	5	6	7	8	9	10	P11
	M	U	P1	P2	P3	P4	P5	P6	P7	P8	VHF AIP 0: OFF, 1: ON
											P12
	11	12	13	14	15	16	17	18	19	20	UHF AIP 0: OFF, 1: ON
	P9	P9	P10	P11	P12	P13	P14	P15	P16	P17	P13
											S-meter SOL hang up time. See MENU tables.
	21	22	23	24	25	26	27	28	29	30	P14
	P18	P19	P20	P21	P22	P23	P24	P25	P26	P27	Mute hang up time. See MENU tables.
											P15
	31	32	33	34	35	36	37	38	39	40	Beat Shift 0: OFF, 1: ON
	P28	P29	P29	P30	P30	P31	P31	P32	P32	P33	P16
											Time-out timer. See MENU tables.
	41	42	43	44	45	46	47	48	49	50	P17
	P33	P34	P34	P35	P36	P37	P38	P39	P40	P41	Recall method 0: All, 1: Current
											P18
	51	52	53	54	55	56	57	58	59	60	EchoLink Speed 0: Fast, 1: Slow
	P42										P19
											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
											Unknown
											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

by
LA3QMA Kai Gunter Brandt

IMPORTANT: Use SPACE between the Command and the first Parameter, divide the Parameters with Comma.

[illegible]

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	Choose between ax24 level v2 or v1
AXDELAY				
AXHANG				
BEACON				
BBFAIED	BB		New	
BTEXT				
CBELL	CB	on/off	New	Sends a bell tone through the computer or terminal when a packet connection is made
CMDTIME	CM	n	New	Sets timeout value
CHECK				
CMSG	CMS	on/off	New	Enable a message to be transmitted whenever there is a connection made
CMSGDISC	CMSG	on/off	New	Controls whether the tnc will initiate a disconnect sequence after it is connected to
CPACTIME				
CR				
CS	CS		New	Returns: A-K stream IO Link state: connected/disconnected
CONOK				
CONMODE				
CONSTAMP				
DAYSTAMP				
DAYUSA				
DWAIT				
DIGIPEAT				
DIGISENT	DIGIS	n	New	
ESCAPE	ES	on/off	New	
ECHO				
EPATH				
	FI		New	Returns: xxxxx bytes free.Next message number 1
FLOVER				
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	Determines the class of packets which are monitored
MCON				
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					
RCVDIFRMR	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