

# KENWOOD TM-V71 and TM-D710 Commands

by  
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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
											<a href="#">Step, 0-A: See Step table.</a>
	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
Answer											P9
											<a href="#">Tone frequency, 1-42: See Tone and CT mapping table</a>
	1	2	3	4	5	6	7	8	9	10	P10
	C	C	P1	P2	P2	P2	P2	P2	P2	P2	<a href="#">CT frequency, 1-42: See Tone and CT mapping table</a>
											P11
	11	12	13	14	15	16	17	18	19	20	<a href="#">DSC, 0-103: See DSC mapping table</a>
	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
	A	E									Unknown
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 ?
											P3
Answer	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
											P3
Answer	1	2	3	4	5	6	7	8	9	10	P4
	T	Y	P1	P2	P3	P4	P5				Jumper 1? 0: Max TX expansion
	1	2	3	4	5	6	7	8	9	10	P5
	T	Y	P1	P2	P3	P4	P5	P5	P5		Jumper 2? 1: Cross Band
											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	
											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	
											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 6: B band, 220 - 7: B band, 300 - 8: B band, 430 9: B band, 1200	
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.) TM-V71 Up to 6 characters. * TM-D710 Up to 8 characters.	
Read	1	2	3	4	5	6	7	8	9	10		
	M	N	P1	P1	P1							
Answer	1	2	3	4	5	6	7	8	9	10		
	M	N	P1	P1	P1	P2	P2	P2	P2	P2		
	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.) TM-V71 Up to 6 characters. * TM-D710 Up to 8 characters.	
Read	1	2	3	4	5	6	7	8	9	10		
	M	S										
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
											<a href="#">Step, 0-A: See Step table.</a>
	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
											<a href="#">Tone frequency, 1-42: See Tone and CT mapping table</a>
Answer	1	2	3	4	5	6	7	8	9	10	P10
	M	E	P1	P1	P1	P2	P2	P2	P2	P2	<a href="#">CT frequency, 1-42: See Tone and CT mapping table</a>
											P11
	11	12	13	14	15	16	17	18	19	20	<a href="#">DSC, 0-103: See DSC mapping table</a>
	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											Use TT or RX to stop.
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									P1
Read	1	2	3	4	5	6	7	8	9	10	A	S	P1										0: A Band, 1: B Band P2
Answer	1	2	3	4	5	6	7	8	9	10	A	S	P1	P2									0: Normal, 1: Reverse

SR		Reset										Parameters:											
Set	1	2	3	4	5	6	7	8	9	10	S	R	P1										P1
Read	1	2	3	4	5	6	7	8	9	10													0: VFO 1: Part 2: PM 3: Full
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	P1																							
	11	12	13	14	15	16	17	18	19	20													P2	P2	P2	P3	P4	P5	P6	P7	P8	P9	0: A Band, 1: B Band P2												
	21	22	23	24	25	26	27	28	29	30																								P9	P10	P10	P11	P11	P11	P12	P12	P12	P12	Freq. in Hz (10 digit). Must be within the selected band. P3	
	31	32	33	34	35	36	37	38	39	40																																			P12
																																		P9	P10	P10	P11	P11	P12	P12	P12	P12	P12	P12	Shift direction, 0: No shift, 1: Plus, 2: Minus P5
										P12	P12	P12	P12	P13							Reverse, 0: Off, 1: On P6																								
Read	1	2	3	4	5	6	7	8	9	10	F	O	P1										Tone, 0: Off, 1: On P7																						
Answer	1	2	3	4	5	6	7	8	9	10	F	O	P1	P2	P2	P2	P2	P2	P2	P2	P2	P1																							
	11	12	13	14	15	16	17	18	19	20													P9	P10	P10	P11	P11	P11	P12	P12	P12	P12	0: DSC, 0: Off, 1: On P8												
	21	22	23	24	25	26	27	28	29	30																								P9	P10	P10	P11	P11	P12	P12	P12	P12	P12	Tone frequency, 1-42: See Tone and CT mapping table P10	
	31	32	33	34	35	36	37	38	39	40																																			P12
																																		P9	P10	P10	P11	P11	P12	P12	P12	P12	P12	DSC, 0-103: See DSC mapping table P12	
										P12	P12	P12	P12	P13							Offset frequency in Hz (8 digit) P13																								
										P12	P12	P12	P12	P13							Mode, 0: FM, 1: NFM, 2: AM																								

<b>BC</b>		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							

<b>VM</b>		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							

<b>CD</b>		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								

<b>0M KENWOOD</b>		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									

<b>0M PROGRAM</b>		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		

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							<a href="#">See DTMF table.</a>	
Read	1	2	3	4	5	6	7	8	9	10	P2	
											<a href="#">See DTMF Table.</a>	
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									Continuous Recording 0: OFF, 1: ON
											P11
Answer	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	<a href="#">S-meter SQL hang up time. See MENU tables.</a>
											P14
	21	22	23	24	25	26	27	28	29	30	<a href="#">Mute hang up time. See MENU tables.</a>
	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	<a href="#">Time-out timer. See MENU tables.</a>
											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	
										<a href="#">DTMF Pause. See MENU tables.</a>	
										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	
										<a href="#">PF 1 key. See MENU tables.</a>	
										P30	
										<a href="#">PF 2 key. See MENU tables.</a>	
										P31	
										<a href="#">Mic PF 1 key. See MENU tables.</a>	
										P32	
										<a href="#">Mic PF 2 key. See MENU tables.</a>	
										P33	
										<a href="#">Mic PF 3 key. See MENU tables.</a>	
										P34	
										<a href="#">Mic PF 4 key. See MENU tables.</a>	
										P35	
										Mic key lock 0: OFF, 1: ON	
										P36	
										SCAN resume 0: Time, 1: Carrier, 2: Seek	
										P37	
										<a href="#">APO. See MENU tables.</a>	
										P38	
										<a href="#">Ext. Data Band. See MENU tables.</a>	
										P39	
										Ext. DATA Speed 0: 1200, 1: 9600	
										P40	
										<a href="#">SOC Source. See MENU tables.</a>	
										P41	
										Auto PM Store 0: OFF, 1: ON	
										P42	
										Display Partition Bar 0: OFF, 1: ON	