

TS-590SG/TS-590S PC Control Command Reference Guide

Errata

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Version 1.2
14 December 2014

The “TS-590S/TS-590SG PC Control Command Reference Guide” (Kenwood document B5A-0316-00 October 23, 2014) has several errors and omissions. These are detailed here.

Command	Change from	To
AN	P1 0: ANT1 1: ANT2	P1 1: ANT1 2: ANT2
EX (TS-590SG)	Menu 000: Display Brightness	Menu 000: Firmware Version
IF	P1 11-digit displayed frequency (for example, 00014175000 is 14.175 MHz). P3 RIT/XIT frequency ± 9990 Hz The IF command cannot read the transceiver status while it is in DATA mode.	P1 11-digit <i>displayed</i> frequency (for example, 00014175000 is 14.175 MHz), <i>ignoring any RIT/XIT offset</i> . The <i>actual</i> TX/RX frequency can be calculated as follows: if P8=1 and P5=0: actual TX freq = P1 if P8=1 and P5=1: actual TX freq = P1 + P3 if P8=0 and P4=0: actual RX freq = P1 if P8=0 and P4=1: actual RX freq = P1 + P3 P3 RIT/XIT frequency “9990” to “-9990” Hz The IF command cannot read the transceiver status while it is in DATA mode.
NB		[Add a comment] All modes except FM.
NR	2: NR2 ON	2: NR2 ON (not FM)
RS (undocumented)		RS: Reads the Radio Status Read: RS; Answer: RS0; OFF RS1; ON
SH/SL	P1 00 - 99	P1 00 – 14 [see also below and on the next page]
UR/UT	Each parameter has a range from 00-30 (where 00 is -24 dB, 06 is 0 dB, and 30 is +6 dB; each value decreases the step by 1 dB).	Each parameter has a range from 00-30 (where 00 is +6 dB, 06 is 0 dB, and 30 is -24 dB; each increase in value increases the step by 1 dB).
XI	Answer [second row of parameters] 1 2 3 4 5 6 7 8 9 10 P1 P1 P1 P2 P3 P4 P4 ;	Answer [second row of parameters] 11 12 13 14 15 16 17 18 P1 P1 P1 P2 P3 P4 P4 ;

SH/SL (continued)

There are several errors and omissions in the mode/audio frequency tables for the SH/SL commands. The revised tables are shown on the next page, by MODE and DATA ON/OFF setting – reformatted for easier reading.

SSB: DATA OFF	SH: HI-CUT														P1 Hz
	00	01	02	03	04	05	06	07	08	09	10	11	12	13	
	1000	1200	1400	1600	1800	2000	2200	2400	2600	2800	3000	3400	4000	5000	
	SL: LO-CUT														
SSB: DATA ON	00	01	02	03	04	05	06	07	08	09	10	11			
	0	50	100	200	300	400	500	600	700	800	900	1000			
	SH: SHIFT (TS-590S)														
	00	01	02	03	04	05	06	07	08	09	10	11	12		
	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2210		
	SH: SHIFT (TS-590SG)														
00	01	02	03	04	05	06	07	08	09	10	11	12	13		
1000	1100	1200	1300	1400	1500	1600	1700	1750	1800	1900	2000	2100	2210		
SL: WIDTH															
00	01	02	03	04	05	06	07	08	09	10	11	12	13		
50	80	100	150	200	250	300	400	500	600	1000	1500	2000	2500		

FM: DATA OFF	SH: HI-CUT													
	00	01	02	03	04	05	06	07	08	09	10	11	12	13
	1000	1200	1400	1600	1800	2000	2200	2400	2600	2800	3000	3400	4000	5000
	SL: LO-CUT													
FM: DATA ON	00	01	02	03	04	05	06	07	08	09	10	11	12	13
	0	50	100	200	300	400	500	600	700	800	900	1000		
	SH: HI-CUT													
	00	01	02	03	04	05	06	07	08	09	10	11	12	13
	1000	1200	1400	1600	1800	2000	2200	2400	2600	2800	3000	3400	4000	5000
	SL: LO-CUT													
00	01	02	03	04	05	06	07	08	09	10	11			
0	50	100	200	300	400	500	600	700	800	900	1000			

AM: DATA OFF	SH: HI-CUT			
	00	01	02	03
	2500	3000	4000	5000
	SL: LO-CUT			
00	01	02	03	
0	100	200	300	

AM: DATA ON ***	SH: HI-CUT			
	00	01	02	03
	2500	3000	4000	5000
	SL: LO-CUT			
00	01	02	03	
0	100	200	300	

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CW: DATA OFF	SH: SHIFT														
	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14
	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000
	SL: WIDTH														
00	01	02	03	04	05	06	07	08	09	10	11	12	13		
50	80	100	150	200	250	300	400	500	600	1000	1500	2000	2500		

PSK	SL: WIDTH (Shift fixed at 1500Hz)			
	00	01	02	03
	250	500	1000	1500