

RT85C PERSONALITY HELP for the 27C64 By: Brad Wooding VK3TAE

OPTIONS	LOCATION	13F0	13F1	13F2	13F3	13F4	13F5	13F6	13F7	13F8 Byte 1 = TX 13F8 Byte 2 = RX				Not Used			S/W Notes	
HIGHEST CHANNEL No USED		99															HIGHEST CH = 99 Ch's	
NO OPTIONS SELECTED			00	20	00	00	00	20	02	11	00	00	00	00	FF	41	43	ALL 0 OR NO
DISPLAY BLACKS AFTER 20 SEC			1-															SCN1-A = YES
TX INHIBIT IF BUSY LED ON			2-		1-				00									SCN1-B = YES
TX TOT IN MINUTES							-X											SCN1-C = SELECT TIME See TOT Table
CTCSS ENABLED				4-														SCN1-D = YES
BUSY LED 5 SEC DELAY					1-	2-			00									SCN1-E = YES
TX INHIBIT IF OPEN LED OFF			4-		1-				00									SCN1-F = YES
SILENT SWITCH ENABLED				-1	1-				00									SCN1-G = YES
OPEN HANG UP SWITCH					1-				04									SCN1-H = YES
SCAN					-4				02									SCN2-A = YES
SCAN + MULTI SCAN			-1		-4													SCN2-A + B = YES
SELF PROGRAM SCAN			-1	1-														SCN2-C = YES
DOWN DELETES CHANNEL			-5															SCN2-D = YES
PRIORITY CHANNEL				2-														SCN2-E = YES
SCAN HOLD-ON PERIOD (SECS) 0							X-											SCN2-G = TIME PERIOD SEE TABLE
????			-7															Special Function on RDNS radio Emergency Button??
SELCAL NO				2-					00									SCN3-A = NO
SELCAL ENABLED (YES)				-2					02									SCN3-A = YES
SELCAL LEAD IN DELAY (ms)								XX										SCN3-C USE ms delay Table
CAR TO CAR ENABLED				-2	1-				02									SCN3-G = YES
CAR TO CAR SEND MRC					22	14												SCN3-G + SCN 4A= YES
STATUS ENABLED			-1	26	04													SCN3-F = YES
CAR TO CAR SEND MRC					22	14												SCN4-A + SCN 3G= YES
SEND INHIBIT IF NOT OPEN			-1	22	44													SCN4-D = YES
HANDSHAKE REPLY ON END			-1	22	04													SCN4-E = YES
ANI TRAILING ENABLE			-1	22	02													SCN4-G = YES
ANI SENDS MOBILE RX CODE			-1	22	02				03									SCN4-G + H = YES
ANI SENDS BEEP			-1	22	06													SCN4-G + I = YES
OPEN LED AS POWER INDICATOR			-1			-2												SCN4-J = YES
SELCAL LOCATION TX										3-	4-	7-	2-	7-	FF	FF	FF	SELCALL No is = 34727
SELCAL LOCATION RX										-1	-1	-2	-3	-4	FF	FF	FF	SELCALL No is = 11234

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SCAN HOLD-ON PERIOD (SECS)	0					0-		
FIRST BYTE	1					1-		
	2					2-		
	3					3-		
	4					4-		
	5					5-		
	6					6-		

TIME OUT TIMER IN MINUTES								
SECOND BYTE	DISABLED					-0		
	0.25					-1		
	0.50					-2		
	0.75					-3		
	1.00					-4		
	1.25					-5		
	1.50					-6		
	2.00					-7		
	3.00					-8		

SELCAL LEAD IN DELAY (ms)	0					20		
	0.10					21		
	0.20					22		
	0.30					23		
	0.40					24		
	0.50					25		
	0.75					26		
	1.00					27		
	1.50					28		
	2.00					29		

This information has been put together over a lot of time. Many hours have been spent collating this information I hope it is appreciated by all.

Brad Wooding

The RT85C uses a 27C64 Eprom. This information relates to the HEX line 13F0 where the personality of the radio is set up.

This code suits the Hitachi HD6305 Processor and will not work on the RT85A (68705) Processor

Information supplied is to be used as a reference only

Scan channels are located in a different location compared to the standard RT85

