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KRS-D7G Programming Software for the Kenwood TH-D7G

<u>F</u> ile	Edit Comm	unications	<u>S</u> ettings <u>M</u>	/indow <u>H</u> el	lp .									
	TH-D7G San	nple X												
	Receive Frequency	Transmit Frequency	Offset Frequency	Offset Direction	Offset Reverse	Operating Mode	Name	Tone Mode	CTCSS	Rx CTCSS	Skip	Step	Tx Step	Comment
0	144.24508	144.27500		Simplex		FM		None	88.5 Hz	88.5 Hz			5 kHz	7
1	144.28125	144.28125		Simplex		FM		None	88.5 Hz	88.5 Hz		5 kHz	5 kHz	
2	144.28750	144.28750		Simplex		FM			0050	00000			5 kHz	
3	144.29375	144.29375		Simplex		FM	M	emory (Chanr	iel Fui	nctio	ons	5 kHz	
4	144.30000	144.30000		Simplex		FM			(left to r				5 kHz	
5						-				0			[
6	146.80000	146.20000		Minus		FM	Re	eceive Free	quency	Tor	ie Mo	ode	5 kHz	
7	146.81250	146.21250		Minus		FM				. OT	200		5 kHz	
8	146.82500	146.22500		Minus		FM	Irá	ansmit Fre	quency		CSS		5 kHz	
9	146.83750	146.23750		Minus		FM	Of	fset Frequ	ency	Rx	СТС	35	5 kHz	
10	146.85000	146.25000	600 kHz	1emory	/ Type	s			2				5 kHz	
11			1.				_ Of	fset Direct	ion	Ski	р			
12	438.00000	438.00000		(left to	right)					01.			5 kHz	
13	438.01250	438.01250		N emories		l		fset Rever	se	Ste	р		5 kHz	
14	438.02500	438.02500		viennones	>	- E	Or	perating M	ode	Тх	Step		5 kHz 5 kHz	
15 16	438.03750 438.05000	438.03750 438.05000	L	imit Mer	nories	- E			ouc				5 KHZ 5 kHz	
	438.05000	438.05000		150			– Na	ame		Cor	nmer	nt	5 KHZ	
17 18	440.00000	445.00000	5 00 MU-	/FO									5 kHz	
18	440.00000	445.00000		lome				None	88.5 Hz	88.5 Hz		25 KHZ 25 kHz		
20	440.01250	445.01250		IUME			-	None	88.5 Hz	88.5 Hz		25 kHz 25 kHz		
20 21	440.02500	445.02500		Plus		EM		None	88.5 Hz	88.5 Hz		25 kHz		
21	440.03750	445.05750		Flys Flus		FM		None	88.5 Hz	88.5 Hz		25 kHz		
22 23	440.05000	445.06250		Plus		FM		None	88.5 Hz	88.5 Hz		25 kHz		
23	440.08230	445.08250		Plus		FM		None	88.5 Hz	88.5 Hz		25 kHz		
24 25	440.07500	445.07500		Plus		FM		None	88.5 Hz	88.5 Hz		25 kHz		

The KRS-D7G Programmer is designed to give you the ease and convenience of programming the memories and set menu options of your radio from your PC.

Memory Channels Include:

- 200 Memory Channels
- 20 Limit Memories (10 pairs)
- 4 VFO Channels
- 2 Home Channels

Other Menu Item Categories Include:

- Common
- DTFM
- APRS

The Programmer Is for so Much More than Just Memory Management.

With the KRS-D7G Programmer you can begin a new "factory fresh" file into which frequencies and option settings are entered. Or, you can read from the radio, store these details on your computer and make changes. Then, with minimal button pushing, send the new configuration back to the radio.

The Programmer allows you to create and save as many files as you want for your radio. Files can even be shared between users via

email or the Internet. Any RT Systems Version 4.50 program can open a file from any other RT Systems Version 4.50 programmer... even from a different radio.

Managing all the options of this great little radio becomes easy with the Programmer. The cut, copy, paste and insert features of the Programmer make channel management easier than ever.

Open more than one file at a time. Memory channel information can be copied from one file to another within the Programmer making it really easy to set up a new file.



Hardware Requirements:

A PC running Windows XP, Vista, Windows 7 (32 or 64 bit) or Windows 8 (full version). A CD drive (local or network) for installation. A free USB port. The RT Systems USB-82 interface cable. The cable connects the radio to the computer from the USB port on the computer to the PC jack on the radio.





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KRS-D7G Programming Software **Memory Types**

-	D7G Program <u>E</u> dit <u>C</u> omr		G Sample <u>S</u> ettings <u>W</u>	indow <u>H</u> el	p										X
1	TH-D7G Sa	mple ×													•
U0 U0 L1 U1 L2 U2 L3 U3 L4 U4 L5 U5 L6 U6 L7 U5 L6 U6 L7 U7 U7 U8 U8 U8 U9 U9	Receive	Transmit Frequency	Offset Frequency			Operating Mode	Name	Tone Mode Limit Receive F Transmit Offset Fre Offset Dir Offset Re Operating Name	Frequer Freque equency ection verse	icy ncy /	•	Node S CSS p	Comment		
14 4	▶ ▶ Memo	ries 🚽 Limit Me	mories VFO	Home								•			▼

Limit Memories

Limit Memories are used by the radio for Program Scan. Program the same details for Limit Memories as for regular memory channels.

VFO

The program makes available the same VFO's as in the radio (usually one per band). Remember these are not real memory channels since the details are lost as soon as you tune the radio manually. There is no one button recall for these. You do not need to program into VFO before programming details into a memory channel. These channels are preprogrammed in the radio and while the frequency can be changed to another within the band, they cannot be left blank.

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Receive Frequency	ple × Transmit Offset Frequency Frequenc 144.00000	🖌 Simplex 💌 📃	erse Mode FM	- Tone Mode CILSS CT	łx Step Tx CSS Step Step Hz ↓ 5 kHz ↓ 5 kHz		Comment	_
440.00000	440.00099	Simplex	FM	Home Channel (left to righ	t)			
				Receive Frequency Transmit Frequency	Tone Mode CTCSS			
				Offset Frequency	Rx CTCSS			
				Offset Direction	Step			
				Offset Reverse	Tx Step			
				Operating Mode	Comment			
			L]		

Home

Home/Call channels are special memories accessed through one button recall on the radio. These channels are preprogrammed in the radio and while the frequency can be changed to another within the band, they cannot be left blank.





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KRS-D7G Programming Software **Radio Option Setting Screens**

<u>T</u> abs <u>H</u> elp non DTMF APRS			
Power On Message HELLO !!		SSTV	
🔲 1750 Hz Call Key	Operating Band A-Band	My Callsign	My Callsign Color White ▼
1750 Hz Tx Hold			
🔲 A Band Tone Alert	Auto Power Off 30 min 🔹	Message	Message Color White 🛛 🗸
🔲 A Band Tone Alert			
📝 Auto Repeater Offset	Battery Saver 1.0 sec 🔹	RSV	RSV Color White
🔲 Beat Shift			Wilke +
Dual Function	Contrast 8 –		
Duplex	Scan Resume		
🔽 Key Beep	Time -	Sky Command II	
Key Lock	TNC Packet Band	Commander Callsign	Tone Frequency
Tune Enable	A-Band	NOCALL	88.5 Hz -
Tx Inhibit	TNC DCD Sense	Transporter Callsign	
	D Or T Band 🔻	NOCALL	
Comment			

Common

Use these screens to customize other set menu features of the radio. Check boxes toggle features on or off, drop down menus list all selections and blank boxes for personalized entry add to the ease of setting up your radio exactly like you want it.

The entries on the Settings screens are made for you to "Set and Forget". Once settings are customized, you are prompted to save before exiting. The saved settings will be there every time you create a new frequency file.

nu Settings for		Untitled.rsf			
le <u>T</u> abs <u>H</u> el	р				
ommon DTMF	APRS				
	DTMF				
		Name	Code		
	0			Hold	
	1				
	2			Delay	
	4			500 ms 🔻	
	5			Speed	
	6			Fast 👻	
	7				
	9				
			Use E for * and F for #		

DTMF

Enter DTMF memory details and customize options for this function of the radio.

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Menu Settings for TH-D7G - Untitled.rsf						
<u>File Tabs H</u> elp						
Common DTMF APRS						
TNC My Callsin NOCALL Position Limit Off miles APK002	col Sel	Name	Tx Rate Off ▼			
All Off Duty Data Band Position A A-Band Off Data Tx Time Zor Manual UTC Display Area Tx Delay Entire 500 ms GPS Unit Tx Interv	Comment Ambiguity My Position Sel 1 V 2 N 3 N	Latitude Longitude 1 00°00.00' W 000°00.00' 1 00°00.00' W 000°00.00' 1 00°00.00' W 000°00.00'	isplay Units Distance mile ▼ Temperature °F ▼			
Not Used ▼ 5 min Packet Speed Waypoin 1200 bps ▼ Off Icon KENW00D ▼ \K		ige Reply Message Group ALL,QST,CQ,KV	/D			

APRS

With so many set menu items controlling this advanced function of the radio, the settings hold the check boxes, dropdown lists and edit boxes.



KRS-D7G Programming Software **Preferences – Version 4.50**

Preferences		
Grid Display Memory Defaults Font	Other	
Freeze 1	Mark the columns to h	ide.
Freeze 1	Column	Hide 🔼
	Transmit Frequency	
Alternate row	Offset Frequency	
A 1 Row1	Offset Direction	
2 Row 2	Name	
3 Row 3	Tone Mode	
4 Row 4	CTCSS	
	Rx CTCSS	
Fore Back	DCS	
	TxPower	
	Busy Channel Lockout	
Use Combo for Check box	Skip	
	Clock Shift	
Language:	Battery Save	
English -	Comment	
Linglion		T
	ОК	Cancel Apply

Grid Display

- RT Systems now available in English, French, German, Italian, Spanish, Portuguese and Japanese.
- Set colors for text (Fore) or background (Back) of alternate rows for easier viewing across the columns.
- Freeze columns to keep information on the screen as you scroll to the right of the page.
- Hide columns you don't use. Customize your printout: hidden columns do not print.
- Use Combo for Check boxes changes the grid to eliminate check box selections that are disabled on some systems.

Preferences			
Grid Display Memory Defaults Font Other			
	Offset Freque	ency Defaults	-
Open last file when starting programmer.	HF	100 kHz 🗸]
 Check ShowName Automatically Convert Split offsets to standard Plus or 	6m	500 kHz -]
Minus when avaliable.	2m	600 kHz -]
Disable CTCSS, DCS and other Tone	1.25m	1.60 MHz -)
columns according to the Tone Mode selection.	70cm	5.00 MHz 🗸]
Add and Remove Offsets Offset I 100 kHz Z 500 kHz Remove Remove C the first frequence Remove Remove			
3 500 kHz To add an offset 4 1.00 MHz Image: Compare the second	LIST."		
	OK	Cancel	Apply

Memory Defaults

• Set options to control auto fill information for memory channel entries.



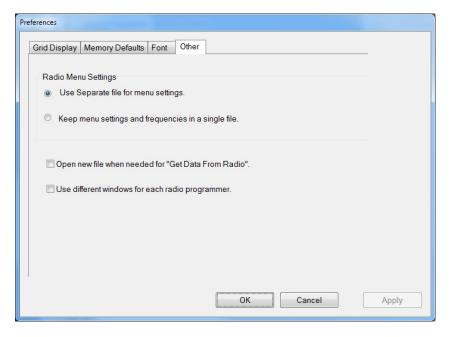
Preferences	A Comment of the second s
Grid Display Me	emory Defaults Font Other
Eont MS Sans S MS Sar MS Ser Ø MS UIC Ø MV Boli Ø MVriad Ø Mvriad Ø Mvriad Ø Nvriad Ø Narkisi Ø Niacara Ø Niacara	In Serif if Sothic ra i Pro Pro Cond Pro Cond Pro Pro Cond Pro Pro Pro Pro Pro Pro Pro Pro
	OK Cancel Apply

Font

• Set options to control the font in the column headers of the channel entry screens. Select any font and font size available on your computer.

Other

- Set options to control how the programmer handles the global Radio Menu Settings file.
 - Separate (default) handles the global settings of the radio in a "set and forget" fashion. Once you set these up and save the file you won't have to reset them for a new frequency file.
 - Together as one gives you the ability to create files that are complete with frequencies and customized global settings. In this mode, each file begins with factory defaults for every option of the radio.
- Check "Get data from Radio" new file option to prevent data loss when you read from your radio into the programmer.
- Check "different window" option to make the programmer for a different radio run in completely separate window rather than in a separate tab of the same window.





Click here to learn more about using Preferences to customize your radio programming experience.