

303-586-6510 | www.rtsystemsinc.com

KRS-F6 Programming Software for the Kenwood TH-F6/TH-F7

ile	<u>E</u> dit <u>C</u> omm	unications	<u>S</u> ettings <u>V</u>	<u>V</u> indow <u>H</u> e	lp										
-	TH-F6 Samp	ole ×													
	Receive Frequency	Transmit Frequency	Offset Frequency	Offset Direction	Offset Reverse	Operating Mode	Name	Tone Mode	CTCSS	Rx CTCSS	DCS	Skip	Step	Comment	
0	0.54699	0.54000		Simplex		AM		None	88.5 Hz	88.5 Hz	023		10 kHz	7	
1	3.50000	3.50088	-	Simplex		LSB		None	88.5 Hz	88.5 Hz	023		5 kHz		
2	51.00000	51.00000		Simplex		FM		Marra	00 5 11-	00 5 11-	000		-10 kHz		
}	87.90000	87.90000		Simplex		WFM	N	lemory	Chan	nol Fu	nctic	ne	5 kHz		
	118.00000	118.00000	-	Simplex 💌		AM 🗸	1.	icinory			incuc	/115	12.5		
	144.00000	144.00000		Simplex		FM			(left to	right)			5 kHz		
	179.75000	179.75000		Simplex		WFM	R	eceive Fre	allency	/ To	ne Mo	de	5 kHz		
												ac			
	223.00000	223.00000		Simplex		FM	Tr	ansmit Fr	equenc	:v C1	CSS		20 kHz		
	223.01250	223.01250		Simplex		FM				, 	0700	~	20 kHz		
)	223.02500	223.02500			Ŧ		01	fset Frequ	uency	R)	CTCS	S	20 kHz		
	223.03750	223.03750	N	Aemory	y Type	es		fset Direc	tion	D	20		20 kHz		
2	223.05000	223.05000		(left to	right)			iset Direc	liun	D	55		20 kHz		
1					0 .		01	fset Reve	rse	Sk	in				
	440.00000	440.00000		Memorie	S		Operating Mode Step						25 kHz		
i	475.75000	475.75000		Limit Me	morioc	M							50 kHz		
	475.76250	475.76250			mones	M							50 kHz		
7	475.77500	475.77500		VFO Ban	Аb	M	INA	Name Comments			ITS	50 kHz			
:	475.78750	475.78750				M			100.0112	00.0116	1020		-60 kHz		
1	475.80000	475.80000		VFO Ban	d B	м		None	88.5 Hz	88.5 Hz	023		50 kHz		
)	475.81250	475.81250				м		None	88.5 Hz	88.5 Hz	023		50 kHz		
				Home											
2	1240.00000	1240.00000		Symplex		FM		None	88.5 Hz	88.5 Hz	023		12.5 kHz		
3	1240.01250	1240.01250		Simplex		FM		None	88.5 Hz	88.5 Hz	023		12.5 kHz		
Ļ	1240.02500	1240.02500	/	Simplex		FM		None	88.5 Hz	88.5 Hz	023		12.5 kHz		
5	Memori		V	Band A VP		Home									

The KRS-F6 Programmer is designed to give you the ease and convenience of programming the memories and set menu options of your radio from your PC. (TH-F7 European version)

Memory Channels Include:

- 400 Memory Channels
- 20 Limit Memories (10 pairs)
- 3 VFO Band A Channels
- 11 VFO Band B Channels
- 3 Home Channels
- 10 Info Channels (I-O 1-9)
- 2 Priority Channels

Other Menu Item Categories Include:

- Common
- DTFM Settings

The Programmer Is for so Much More than Just Memory Management. With the KRS-F6 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-K4Y interface cable. The cable connects the radio to the computer from the USB port on the computer to the speaker/mic jack on the radio.





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KRS-F6 Programming Software **Memory Types**

	F6 Programm <u>E</u> dit <u>C</u> omi		ample <u>S</u> ettings <u>W</u>	(indow <u>H</u> e	lp									x
	TH-F6 Sam	ple ×												•
	Receive Frequency	Transmit Frequency	Offset Frequency	Offset Direction	Offset Reverse	Operating Mode	Name	Tone Mode	CTCSS	Rx CTCSS		Step	Comment	
L0 U0	1		-			-			•	-	•	•		
L1 U1 L2 U2 L3 U3 L4 U5 U5 L6 U5 L6 U6 L7 U7 L8 U8	L1 U1 U1 L2 U2 L3 U3 U3 U4 L4 U4 L5 U5 L6 U5 L6 U5 L6 U6 U U U U U U U U U U U U U U U U U					Limit Receive Transmit Offset Fr Offset Di Offset Re Operatin, Name	Freque Freque equenc rection everse	ency y		Mode S TCSS				
U8 L9 U9														
14 4	► ► Mema	ries 🚽 Limit Me	emories VFO	Band A VF	O Band B	Home						1		▼ ▶

Limit Memories

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

TH-	F6 Programme	er - TH-F6 Sa	mple					a service of the service of the service of the	- • ×
<u>F</u> ile	<u>E</u> dit <u>C</u> omm	unications	<u>S</u> ettings <u>W</u> indow	<u>H</u> elp					
	TH-F6 Samp	le ×							•
	Receive Frequency	Transmit Frequency	Offset Offset Frequency Direction	Offset n Reverse	Operating Mode	Tone Mode CTC35 C	Rx DCS Step	Comment	^
2m	144,06900	144.00000	Simplex				5 Hz 🗨 023 💌 5 kHz 💌	7	
1.25m 70cm	222.98000 440.00000	222:98900	Simplex Simplex		FM FM		5 Hz 023 20 kHz		
						VFO Band A F (left to rig			
					F	Receive Frequency	Tone Mode		
					T	Fransmit Frequency	CTCSS		
					C	Offset Frequency	Rx CTCSS		
					C	Offset Direction	DCS		
					C	Offset Reverse	Step		
					C	Operating Mode	Comments		
14 4	▶ ▶ Memori	ies 🔨 Limit Mei	mories VFO Band A	VFO Band B	Home				•

VFO Band A

The program makes available the same VFO's as in the radio (usually one per band). These channels are preprogrammed in the radio and while the frequency can be changed to another within the band, they cannot be left blank.

▲ Frequency Frequency Frequency Frequency Direct AM 0.55690 0.54000 Implement Simpl HF 350000 350990 Simpl 6m 51.00000 51.00000 Simpl Air 118.00000 118.00000 Simpl 2m 144.00000 144.00000 Simpl 1.25m 223.00000 223.0000 Simpl 1.26m 440.00000 440.00000 Simpl UHF TV 179.75000 475.75000 Simpl	olex LSB None olex FM VFM VFM VFM VFM VFM VFM VFM VFM	CTCSS CTCSS DCS Stee ■ 88.5 H2 ■ 88.5 H2 ■ 023 ■ 10 kHz 88.5 H2 ■ 88.5 H2 ■ 023 ■ 5 kHz Band B Functions (left to right)	· · · · · · · · · · · · · · · · · · ·	
230m 1240.00000 1240.00000 3mp	olex WFM Receive F olex FM Transmit I	Frequency Tone Mode Frequency CTCSS equency Rx CTCSS ection DCS verse Step		Ţ

VFO Band B

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.

TH-F	6 Programm	er - TH-F6 Sa	mple											- 0 X
<u>F</u> ile	<u>E</u> dit <u>C</u> omm	unications	<u>S</u> ettings <u>V</u>	<u>V</u> indow <u>H</u> el	р									
	TH-F6 Samp	ole ×												•
	Receive Frequency	Transmit Frequency	Offset Frequency	Offset Direction	Offset Reverse	Operating Mode	Name	Tone Mode	CTCSS	Rx CTCSS	DCS	Step	Comment	A
2m	144.0000	144.00000		Simplex 💌		FM 🗖	-			88.5 Hz 💌			7	
1.25m 70cm	223.00000 440.00000	223.00000 440.00000	~	Simplex Simplex		FM FM		None	88.5 Hz	88.5 Hz		5 kHz 1kHz		
1-0	440.00000	440.00000		Simplex		гM	Hom	ie Char	nnel F	unctio	ns	KHZ		
-1-1 -2						\sim	Info	o Chanı	nel Fu	nctior	IS			
1-3							Prior	ity Cha	nnel F	uncti	ons			
1-4 1-5							11101	(left	to right)	unctiv	5115			
1-5							Receive	e Frequer		Tone M	ode			
1.7									2		000			
1-8 1-9								it Freque	-	CTCSS				
PB 1							Offset F	Frequency	У	Rx CTC	SS			
PR 2							Offset [Direction		DCS				
							Offset F	Reverse		Step				
							Operati	ing Mode		Comme	ents			
							Name	-						
14 4	🕨 📕 Memori	ies 🖌 Limit Me	mories VFC) Band A 🖉 VF	O Band B	Home						•		Þ

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.

I-O 1-9 – Information channels that are pre-programmed with the NOAA Weather frequencies in the American version of the radio. These channels can be changed or left blank. These channels are recalled with the [info] button on the radio.

PR1,2 – Priority channels are used for Priority Scanning. They can be left blank. If you want to use the information for a repeater already in your memories list, simply copy the channel and paste the details here.





KRS-F6 Programming Software **Radio Option Setting Screens**

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ile <u>T</u> abs <u>H</u> elp					
Common DTMF					
Antenna Attenuator Auto Repeater Offset Japanese Key Beep Key Lock	Auto Power Off 30 min Battery Saver 1.0 sec Battery Type Lithium	Operation Band Band A ▼ Packet Speed 1200 bps ▼ Scan Resume Time ▼	Band A Band B	Output Power High ▼ Output Power High ▼]
Lamp	Call Key	VOX Gain		High 🔻	
Lock Tuning	Call 🔻	4 🔻		0.1. r	
Memory Names	Contrast 8 🗸	VOX Delay 500 ms ▼	Narrow FM	Selection	🗖 70cm
Transmit Stop	Memory Recall				
Tx Hold	All Bands 🛛 🔻				
VOX Busy	Programmable Limits				
Dpening Message		Lower		Upper	
	2m		00000	орры	173.00000
/olume Balance	1.25m		00000		259.00000
Band A 50% Band B 50: 🔻	70cm	410.	00000		469.00000

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.

Men	u Setti	ngs for TH-F6 - Untitled.	rsf		×
<u>F</u> ile	<u>T</u> ab	s <u>H</u> elp			
Cor	nmon	DTMF			
Í					
		12 Sect. 12 to 1			
		DTMF Digits and			
	4	Digits	Name	DTMF Options	
	0				
	2			🔲 Hold	Lock
	3			1	
	4				
	5 6			Delay	Speed
	7			500 ms 🔻	Fast 🔻
	8			1	
	9				

DTMF

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



KRS-F6 Programming Software **Preferences – Version 4.50**

Grid Display	Memory Defaults	Font Other	r		
_	1		Mark the columns	s to hide.	
Freeze	1		Column	Hide	-
		Trans	smit Frequency		
AIt	ernate row	Offse	t Frequency		
-	A Row 1	Offse	t Direction		
2		Name	e		
3			Mode		
		CTCS	SS		
	1004	Px C	TCSS		
	Fore Back	DCS			
		Tx Pc			
		Busy	Channel Lockout		
Use Co	mbo for Check box	Skip			
			Shift		
Langua	ae:		ry Save		
English	-	Comr	ment		
Englisi					
					•
			OK	Cancel	Appl

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 standand 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 Pick an offset frequence remove to delete it from			
1 100 kHz 2 500 kHz Remove			
3 600 kHz To add an offset			
4 1.00 MHz double click "END OF	LIST."		
	ОК	Cancel	Apply

Memory Defaults

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

Want to Know Even More?

For additional details and tips, click here for the comprehensive KRS-F6 Programmer Help File.



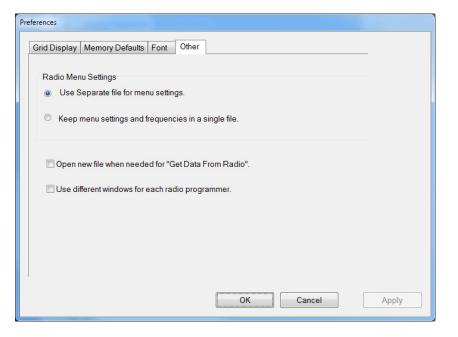
Preferences	A Comment of the second s
Grid Display Me	emory Defaults Font Other
Eont MS Sans S MS Sar MS Ser Ø MS UIC Ø MV Boli Ø MVriad Ø Mvriad Ø Mvriad Ø Nvriad Ø Narkisi Ø Niacara Ø Niacara	In Serif if Sothic ra i Pro Pro Cond Pro Cond Pro Pro Cond Pro Pro Pro Pro Pro Pro Pro Pro
	OK Cancel Apply

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.