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WCS-2720 Programming Software for the Icom IC-2720

IC-2	720 Programn	mer - IC-2720	0 Untitled1 *													X
<u>F</u> ile	Edit Comm	unications	<u>S</u> ettings <u>V</u>	<u>V</u> indow <u>H</u>	elp											
/ 🛃	IC-2720 Unti	itled1 * 🗙														•
	Receive Frequency	Transmit Frequency	Offset Frequency	Offset Direction	Operating Mode	Tone Mode	CTCSS	Rx CTCSS	DCS	DCS Polarity	Tx Power	Skip	Step	Bank	Comment	4
0	127.0000	127.00000		Simplex	AM	None	88.5 Hz	88.5 Hz	023	Both N	High	Off	25 kHz	None	7	
1	146.01000	146.61008	SOO kHz	+DUP		None	88.5 Hz	88.5 Hz	023	Both N	High	Off	5 kHz	None		
2	146.03500	146.63500	600 kHz	PUP	FM	None	88.5 H			~				None		
3								Memo	ory (hanr	nel Fu	ınct	ions			
4	375.00000	375.00000		Simplex	AM	None	88.5 H		'	(left to r	ight)			None		
5	375.01250	375.01250		Simplex		None	88.5 H				0			None		
6	375.02500	375.02500		Simplex		None	88.5 H 88.5 H	Receive	e Freq	uency	D	CS		None		
/	375.03750 375.05000	375.03750 375.05000		Simplex		None None		T			D		. المالية .	None		
8 9	375.05000	375.05000		Simplex	AM	None	88.5 H	Transm	it Free	quency	D	C2 P	olarity	None		
10	440.00000	445.00000	5.00 MHz -	0.00	-		88.5 H	Offset F	reque	vone	T	k Pow	/er	None		
11	440.00000	445.01250		Man			00 E LI			-			101	None		
12	440.02500	445.02500		Men	nory Ty	pes –	88.5 H	Offset D)irecti	on	SI	kip		None		
13	440.03750	445.03750		(le	ft to right)		00.511	0	4 .		0			None		
14				Memor				Operati	ng ivic	bae	51	ер				
15	500.00000	500.00000		wernor	ies		88.5 H	Tone M	ode		R	ank		None		
16	500.01250	500.01250		Limit M	emories		88.5 H	TOHE IVI	oue		D	ann		None		
17	500.02500	500.02500					88.5 H	CTCSS			C	omm	ents	None		
18	500.03750	500.03750		Left VF	C		88.5 H	D OTO	~~					None		
19	500.05000	500.05000					88.5 H	Rx CTC	55					None		
20				Right V	FÜ											
21	900.00000	900.00000		Call Ch	annels		88.5 Hz	88.5 Hz	023	Both N		Off	12.5 kHz			
22	900.01250	900.01250					88.5 Hz	88.5 Hz	023	Both N		Off	12.5 kHz			
23	900.02500	900.02500		Simplex	AM	None	88.5 Hz	88.5 Hz	023	Both N		Off	12.5 kHz			
24	900.03750	900.03750		Simplex		None	88.5 Hz	88.5 Hz	023	Both N		Off	12.5 kHz			
25	900.05000	900.05000 es / Limit Me		Simplex	AM ht VFOs / Cal	None	88.5 Hz	88.5 Hz	023	Both N	High	Off	12.5 kHz	None		
	Memori		mories / Left	vrus Kig	nt vruš / La	i unannels										

The WCS-2720 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 Memories
- 10 Limit Memories (5 pair)
- 8 VFO Channels (each left and right)
- 2 Call Channels

Other Menu Item Categories Include:

- Common
- F1 Common
- F2 Common
- DTMF

The Programmer Is for so Much More than Just Memory Management. With the WCS-2720 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-29A interface cable. The cable connects the radio to the computer from the USB port on the computer to the speaker jack on the radio.





WCS-2720 Programming Software **Memory Types**

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<u>File Edit Communications Settings Window H</u> elp		
IC-2720 Untitled1 * ×		
Pieceive Frequency Transmit Frequency Offset Frequency Offset Direction Operating Mode 18 Image: Comparison of the second se	Image: step of the ste	Comment
H + + H Memories Limit Memories Left VFDs Right VFDs	Call Channels	► E

Limit Memories

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

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1	IC-2720 Uni	titled1 * ×												-
		titled1 * × Transmit Frequency	Offset Frequency	Offset Direction Simplex Simplex Simplex Simplex Simplex Simplex Simplex	Operatin Mode	None None	VFOF (left requen requer quency ection Mode	88.5 Hz to right cy ncy	023 ions) Rx C ⁻ DCS	Both N TCSS Polarit <u>y</u> ower	High ph ph ph ph ph	Step 25 kHz 25 kHz 25 kHz 25 kHz 25 kHz 25 kHz 25 kHz 25 kHz 12 5 kHz 5 kHz 25 kHz 25 kHz	Comment	
14 4	▶ ▶ Memo	ries Limit Me	mories Left)		the VEOs 🕢	Call Channels								▼

VFO (Left and Right)

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.



IC-2720 Programmer - IC-2720 Untitled1 *					
<u>File Edit Communications Settings Window H</u> elp					
IC-2720 Untitled1 * X					•
Receive Transmit Offset Offset Oper Frequency Frequency Direction Mo		Rx DCS DCS Polarity		Comment	<u></u>
C1 145571990 146.01000		Hz 023 Both N	High 💌 5 kHz 💌 High 25 kHz	7	
	Call Channel F (left to righ				
	Receive Frequency	Rx CTCSS			
	Transmit Frequency	DCS			
	Offset Frequency	DCS Polarity			
	Offset Direction	Tx Power			
	Operating Mode	Step			
	Tone Mode	Comment			
	CTCSS				
L]		
Memories Limit Memories Left VFOs Right VFOs	Call Channels		•		

Call Channel

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.





WCS-2720 Programming Software **Radio Option Setting Screens**

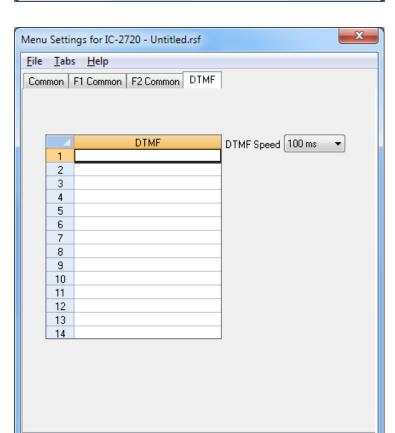
ſ	Menu Settings for IC-272	0 - Untitled.	.rsf			x
	<u>F</u> ile <u>T</u> abs <u>H</u> elp					
	Common F1 Common	F2 Common	DTMF			
	Beep F Attenuator Narrow Tx Weather Alert	Edge 🛛	Left All • T-15 •	Edge Resume	Right All ▼ T-15 ▼	
	Auto Repeater Shift R1	•		Fan	Auto 🔻	-
	Time Out Timer Off	-		Mic Level [Low 👻	
	Auto Power Off Off	•	A	ctive Band (All 👻	
	Packet Rate 120	. 00		Sql Delay [Short 👻	
	Packet Band Au	to 🔻	Sub B	and Mute	Off 👻	
	Mic UP/Down	Function	Disp	lay		
	Mic Up Mic	Up 🖣	- Brigl	htness 4 : E	Bright 🔻	
	Mic Down Mic	Down 🔻	•	Color Amb	per 🔺	
	Left Local Shift Nor	mal 🔻	Right	Local Shift (Normal 👻	
	Radio Comment					

Common, F1 Common and F2 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.

Use F1 and F2 columns to configure the settings for different activities.



DTMF

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



WCS-2720 Programming Software **Preferences – Version 4.50**

Grid Display Memory Defaults Font	Other	
Freeze 1 📩	Mark the columns to	
	Column	Hide 📤
Alternate row	Transmit Frequency	
Alternate row	Offset Frequency	
	Offset Direction	
1 Row 1 2 Row 2	Name	
	Tone Mode	
	CTCSS	
4 Row 4	Rx CTCSS	
Fore Back	DCS	
	TxPower	
	Busy Channel Lockout	
Use Combo for Check box	Skip	
	Clock Shift	
Language:	Battery Save	
	Comment	
English 👻		
		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 standand Plus or 	6m	500 kHz	•
Minus when avaliable.	2m	600 kHz	•
Disable CTCSS, DCS and other Tone columns according to the Tone Mode	1.25m	1.60 MHz	•
selection.	70cm	5.00 MHz	•
Add and Remove Offsets			_
Offset			
1 100 kHz 2 500 kHz Remove			
4 1.00 MHz To add an offset	LIST."		
	ОК	Cancel	Apply

Memory Defaults

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



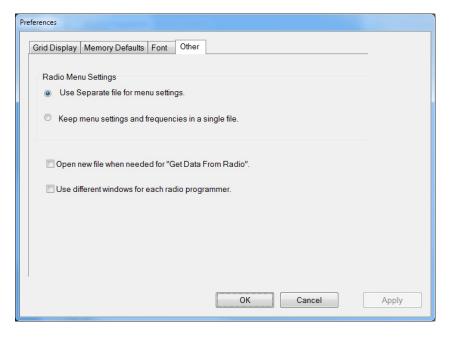
Preferences	A Comment of the second s
Grid Display Me	emory Defaults Font Other
Eont MS Sans S MS Sar MS Ser Ø MS UIC Ø MV Boli Ø MVriad Ø Mvriad Ø Mvriad Ø Nvriad Ø Narkisi Ø Niacara Ø Niacara	In Serif if Sothic ra i Pro Pro Cond Pro Cond Pro Pro Cond Pro Pro Pro Pro Pro Pro Pro Pro
	OK Cancel Apply

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.