

303-586-6510 | www.rtsystemsinc.com

## WCS-R10 Programming Software for the Icom IC-R10

	IC-R	10 Program	mer - IC-R10	Untitled	1 *								٢
F	<u>F</u> ile	<u>E</u> dit <u>C</u> omr	munications	<u>S</u> etting	s <u>W</u> ind	dow	<u>H</u> elp						
		IC-R10 Unt	itled1 * ×										•
Γ		Receive Frequency	Operating Mode	Name	Skip	Att	enuator			Comment			
	4-00	50:12580			Off					7			
1	A-01	50.87000	FM		Off		Mama	w Channa	LEunstions				
	4-02	53.22500	FM		0#		Memo	(left to righ	<b>I</b> Functions				
	4-03						Destine	-			_		
	4-04	118.75000			Off			Frequency	Skip		_		
	4-05	118.77500			Off		Operatir	ig Mode	Attenuator		_		
	4-06	146.01000		1	Off		Name		Comments		_		
	4-07	147.22500	FM		Off						_		
	4-08										_		
	4-09	370.00000		Mor	nory T	vno					_		
	A-10	372.55500				ype	<b>`</b>				_		
	A-11	432.40000		Men	nories								
	A-12	432.43750	FM	VFO							_		
	A-13			Ban	d Scan						_		
	A-14	850.20000		Fasy	Bank						_		
	A-15	850.21250		-							_		
	A-16	850.22500	FM	Auto	Band						_		
	A-17	1005 75000		-/							_		
	A-18	1295.75000			Off								
	A-19	1295.76250			Off						_		
	4-20	1295.77500		Band Sc	Off an Eas	u D ai	nk Aut	o Band			_		
Ľ		r wemo	illes VFU	banu so	ari <u>Ca</u> s	ура		obanu			_	►	

The WCS-R10 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:

- 1,000 Memory Channels (16 banks of 50) plus 2 banks of 100 program scan skip channels and memory scan skip channels.
- 1 VFO Channel
- 20 Band Scans
- 10 Easy Banks
- 15 Auto Bands

## Other Menu Item Categories Include:

- Common
- Bank Names

The Programmer Is for so Much More than Just Memory Management. With the WCS-R10 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 ear/speaker jack on the radio.





WCS-R10 Programming Software **Memory Types** 

IC-R10 Programmer - IC-R10 Untitled1 *	_ <b>O</b> X
<u>File Edit Communications Settings W</u> indow <u>H</u> elp	
IC-R10 Untitled1 * ×	-
Receive Operating Mode Step Attenuator Comment	
VF0 17500000 FM 5 kHz	
VFO Functions	
(left to right)	
Receive Frequency Attenuator	
Operating Mode Comments Step	
Jieh	
Memories VFD Band Scan Easy Bank Auto Band	

### 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.

<u>F</u> ile	<u>E</u> dit <u>C</u> om	munications	Settings	Window	<u>H</u> elp			
( E	IC-R10 Un	titled1 * 🗙						
	Start Frequency	End Frequency	Operating Mode	Name	Step	Scar Resur		Comment
0	134.80000	146.00000		×		▼ 5 Sec	<b>v</b> 0	7
1	144.00000				100 Hz	5 Sec	1	
2	144.00000	146.00890			100 Hz	5 Sec	2	
3	144.00000	146.00000		Dand	Scan E	unctio		
4	144.00000	146.00000		Danu			115	
5	144.00000	146.00000			(left to rig	gnt)		
6	144.00000	146.00000	FM	Start Frequ	ency	Step		
7	144.00000	146.00000		End Freque	ncv	Scar	n Resun	
8	144.00000	146.00000	FM		-			
9	144.00000	146.00000		Operating N	/lode	Com	ments	
10	144.00000	146.00000		Name				
11	144.00000	146.00000		-				
12	144.00000	146.00000			100 Hz	5 Sec	12	
13	144.00000	146.00000			100 Hz	5 Sec	13	
14	144.00000	146.00000			100 Hz	5 Sec	14	
15	144.00000	146.00000			100 Hz	5 Sec	15	
16	144.00000	146.00000			100 Hz	5 Sec	16	
17	144.00000	146.00000			100 Hz	5 Sec	17	
18	144.00000	146.00000			100 Hz	5 Sec	18	
19	144.00000	146.00000	FM		100 Hz	5 Sec	19	

## Band Scan

Used for Program Scanning. Set upper and lower frequency ranges for scanning. These channels are preprogrammed in the radio and while they can be changed, they cannot be left blank.



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	IC-R	10 Program	mer - IC-R1	0 Untitled1	k					
-	<u>F</u> ile	<u>E</u> dit <u>C</u> om	munication	s <u>S</u> ettings	<u>W</u> indow	<u>H</u> elp				
	-	IC-R10 Un	titled1 * ×							-
Γ		Start Frequency	End Frequency	Operating Mode	Name	Step	) Sca Resu		Comment	
	0	0.56800	-		AM BROAD		💌 5 Sec	<b>v</b> 0	7	
	1	88.00000			FM BROAD			1		
	2	118.00000	137.00000		AVIATION	10 kHz	5 Sec	2		
⊩	3	144.00000	148.00000		Fas	v Ban	k Funct	ions		
	4	150.00000 156.00000	174.00000		Luo		to right)			
⊩	5 6	225.00000			Ctart Era		0 .	_		
⊩	7	440.00000	450.00000		Start Free					
⊩	8	450.00000			End Freq	uency	Sca	n Resume		
⊫	9	849.02500			Operating	g Mode	e Con	nments		
					Name	,				
					Name					
		Mem	ories VFO	Band Scar	🚽 Easy Ban	k Auto	Band			
Ľ	-									

### Easy Bank

Frequency ranges used for EASY Mode Scanning. Set upper and lower frequency ranges for scanning. These channels are preprogrammed in the radio and while they can be changed, they cannot be left blank.

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### Auto Band

Frequency ranges used for Auto Memory Write Scanning. Set upper and lower frequency ranges for scanning. These channels are preprogrammed in the radio and while they can be changed, they cannot be left blank.



# WCS-R10 Programming Software **Radio Option Setting Screens**

Menu Settings for IC-R	10 - Untitled.rsf	X
<u>File</u> Help Common Bank Names	]	
C AFC Seep	Easy Bank	Power Save
<ul> <li>Key lock</li> <li>Message</li> <li>Memory Skip</li> <li>NB/ANL</li> <li>Program Skip</li> </ul>	Memory Bank A Program Scan Bank 0	Scan Delay 5 Second: ▼
CI-V Info	Contrast Med-High ▼	
Address 52h ▼	Light Auto 👻	
Baud Rate 9600 ▼		
V Transceive	Radio 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.

Menu Set	tings for IC-R10 - U	ntitled.rsf	×
<u>F</u> ile <u>H</u> e			
Common	Bank Names		
A		J	
В		к	
С		L	
D		м	
E		N	
F		0	
G		Р	
н		AMWS	
1		Skip	

#### **Bank Names**

Enter Bank Names for Memory, AMWS (Q) and skip channels (R).



## WCS-R10 Programming Software **Preferences – Version 4.50**

Preferences			
Grid Display Memory Defaults Font	Other		
Freeze 1	Mark the columns t		
	Column	Hide 🛆	
Alternate row	Transmit Frequency		
A	Offset Frequency		
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		
	Comment		
English 👻			
		<b>T</b>	
I			
	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	ī.
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     Pick an offset frequency       1     100 kHz       2     500 kHz       3     600 kHz       4     1.00 MHz   To add an offset double click "END OF	m the list.		
	ОК	Cancel	Apply

## Memory Defaults

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



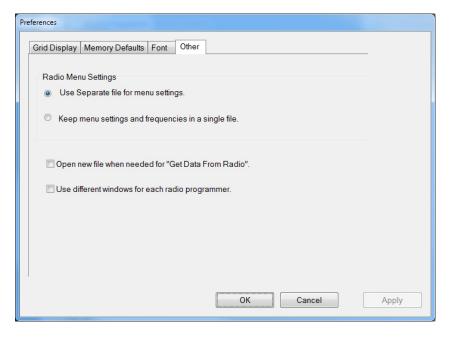
Preferences	A Comment of the second s
Grid Display Me	emory Defaults Font Other
Eont MS Sans S MS Sar MS Ser Ø MS UIC Ø MV Boli Ø MVriad Ø Mvriad Ø Mvriad Ø Nvriad Ø Narkisi Ø Niacara Ø Niacara	In Serif if Sothic ra i Pro Pro Cond Pro Cond Pro Pro Cond Pro Pro Pro Pro Pro Pro Pro Pro
	OK Cancel Apply

### 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.