

# WCS-2800 Programming Software for the Icom IC-2800

									IC-28	300 Pro	ogramm	er - IC-2800 Untitled1 *			- 🗆 🗙
<u>F</u> ile	<u>E</u> dit <u>C</u> omm	unications	Settings	<u>N</u> indow <u>H</u>	elp										
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	IC-2800 Unt			ra ZV   o											
<u> </u>									-		_	1			 
	Receive Frequency	Transmit Frequency	Offset Frequency	Offset Direction	Operating Mode	Name	Tone Mode	CTCSS	Rx CTCSS	Skip	Step	(	Comment		1
1	145.07690	146.61000		+DUP	FM		None	67.0 Hz	67.0 Hz	Off	5 kHz		7		
2	146.03500	146.63589	600 kHz	+DUP	FM		None	67.0 Hz	67.0 Hz	Off	5 kHz				
3	146.06000	146.66000	600 kHz	DUP	FM		None	67.0 H;			-				
4									Mem	orv	/ Cha	annel Functions			
5	146.11000	146.71000		+DUP	FM			07.0 114		.,	(loft	to right)		_	
6	146.13500	146.73500		+DUP	FM			67.0 Ha			(left	to right)		_	
7	146.16000	146.76000		+DUP	FM		None	67.0Hk		_				_	
8	146.18500	146.78500		+DUP	FM		None	67.0 H; 67.0 H;	Receiv	/e⊦r	eque	ncy Tone Mode			
9	146.21000	146.81000		+DUP	FM				-			07000		-	
10	146.23500	146.83500	600 kHz	+DUP	FM		None	67.0 Ha	Transr	nıt F	reque	ency CTCSS		-	
11 12	146.31000	14					None	67.0 Ha	0.000	<b>-</b>				-	
13	146.33500			т			None	67.0 Hz	Offset	Frec	queric	y RX CTCSS		-	
14	146.36000		emory	у туре	es 👘			67.0 Ha	Offect	Dire	otion	Chin		-	
15	146.38500	14	(left to	right)			None	67.0 Ha	Offset	Dire	CLION	Skip		-	
16	146.41000	14	(						Opera	ting	Mode	Step		-	
17	146.43500	14 \/L	IF Mem	orioc			None	67.0 H; 67.0 H;	opera	ung	would	Step			
18	146.46000	14 V F	ii wen	Iones			None	67.0 Hz	Name			Comment			
19	146.48500	14 116	HF Men	norias				67.0 H:	Inallie			Comment			
20			II MEII	IUNES						-					
21	146.48500	140.40000		Simplex	TEN			67.0 Hz	67.0 Hz	Off	5 kHz				
22	146.51000	146.51000		Simplex	FM			67.0 Hz		Off	5 kHz				
23	146.53500	146.53500	/	Simplex	FM			67.0 Hz		Off	5 kHz				
24	146.56000	146.56000		Simplex	FM			67.0 Hz	67.0 Hz	Off	5 kHz				
25	146.58500	146.5850		Simplex	FM		None	67.0 Hz	67.0 Hz	Off	5 kHz				
14 4	VHF M	emories UH	IF Memories									•			 •
Ready															CAP NUM SCRL

The WCS-2800 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:

- 99 VHF Channels
- 6 VHF Limit Memories (3 Pair)
- 1 VHF Call Channel
- 99 UHF Memories
- 6 UHF Limit Memories (3 Pair)
- 1 UHF Call Channel

#### Other Menu Item Categories Include:

- Common
- Display
- DTMF

The Programmer Is for so Much More than Just Memory Management. With the WCS-2800 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.

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 A PC running XP SP3 (32 or 64 bit), Windows 7, Windows 8 or 8.1 (full version) or Windows 10. Local USB port and RT Systems USB-29A interface cable (6' cable length). The cable connects the radio to the computer from the USB port on the computer to the Speaker jack on the radio. Internet connection for update at end of software installation.





# WCS-2800 Programming Software Memory Types

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	Receive Frequency	Transmit Frequency	Offset Frequency	Offset Direction	Operating Mode	Name	Tone Mode	CTCSS	Rx CTCSS	Skip	Step	Comment	
2	rioquonoy	Troqueriey	rioquonoy	Direction	modo				0.000				
3													
4													
35										-	-		
36 37										-	-		
67 88					-					-			
89													
90													
91													
92													
93										-	-		
94 95													
95 96									-				
97							Limit Me	morie	20				
98								SHIOLIE	55				
99													
1A	<b>48.00000</b>	148.00000		Simplex	FM						5 kHz		
1B	144.00000	144.00000		Simplex	FM		Call Cha	nnel		Off	5 kHz		
2A 2B										-	-		
28 3A	146.01000	146.01000	-	Simplex	FM		None	88.5 Hz	88.5 Hz	Off	5 kHz		
ан 3В	140.01000	140.01000		Jimplex	L MI		NONE	00.3 HZ	00.3 Hz	oir	U N/12		
	$\epsilon$								-				

Find Limit Memories and Call Channel by scrolling down to the bottom on both VHF and UHF tabs.

#### **Limit Memories**

Limit Memories are used by the radio for Program Scan. Program the same details for Limit Memories as for regular memory channels. Many of the Limit Memories are preprogrammed in the radio and while the frequency can be changed to another within the band, they cannot be left blank.

#### **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-2800 Programming Software Radio Option Setting Screens

M	enu Settii	ngs	for IC-2800 - Untitled.rsf	×
<u>F</u> ile <u>T</u> abs <u>H</u> e	p			
Common Display	DTMF			
<ul> <li>✓ Beep</li> <li>Sub Band Bei</li> <li>Sub Band Mu</li> <li>RF Attenuator</li> </ul>	Ite r		VHF Scan Resume 15 s v Tx Power High v	
Memory Name	e Display		UHF	
Timeout Timer	Off	~	Scan Resume 15 s 🗸 🗸	
Auto Repeater	Off	~	Tx Power High 🗸	
Auto Power Off	Off	~	Mic Functions	
Cooling Fan	Automatic	~	HM-98 F-1 Key VHF M/C 🗸 🗸	
Packet BPS	1200	4	HM-98 F-2 Key UHF M/C 🗸 🗸	
Squelch Delay	Long	~	Up Кеу 🛛 Up 🗸 👻	
			Down Key 🛛 Down 🗸 🗸	
			HM-90 Address 1 🗸	

#### Common

Use this screen 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 Settings for IC-2800 - Untitled.rsf	×
<u>F</u> ile <u>T</u> abs <u>H</u> elp	
Common Display DTMF	
LCD Contrast	
LCD Brightness 12 🗸	
Display Type A 🗸	
Power On Message	
Comment	

## Display

Use these settings to control the radio's display functions.



		Menu Settings for IC-28	800 - Untitle	d.rsf		x
<u>F</u> ile	Tał	os <u>H</u> elp				
Com	mon	Display DTMF				
	4	DTMF	DTMF Speed	100 ms	~	
8	0					
	1		Chan. Select	0	~	
	2					
	3					
	4					
	5					
	6 7					
	8					
	9					
	A					
	B					
	C					
	D					

## DTMF

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



# WCS-2800 Programming Software **Preferences**

Pre	eferences							
		1			-			
	Grid Display	Memory Defaults	Font	Other				
	Freeze	1			Mark the colum	ns to hide.		
	TTEEZe	-			Column	Hide	-	
	Alt	ernate row			nit Frequency			
	AIU	A			Frequency			
	1	Row 1			Direction			
	2			Name				
	3			Tone N				
	4			CTCSS				
				Rx CT	CSS			
	F	Fore Back		DCS				
				Tx Pov				
	<b></b>	mbo for Check box		Skip	Channel Lockout			
	Use Co	ombo for Check box		Clock :	Shift			
				Battery				
	Langua	-		Comm				
	English	n <b>•</b>			ion c			
	1							
					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	•
<ul> <li>Check ShowName Automatically</li> <li>Convert Split offsets to standand Plus or</li> </ul>	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 frequer remove to delete it fro			
1 100 kHz Remove			
3 600 kHz To add an offset			
4 1.00 MHz double click "END O	FLIST."		
	ОК	Cancel	Apply

# Memory Defaults

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



Preferences
Grid Display Memory Defaults Font Other
Eont     Size:       MS Sans Serif     8       MS Serif     10       MS Serif     10       MS Serif     10       MV Serif     10       MV MSUIGothic     12       MV MV Boli     14       MVriad Pro     18       MVriad Pro Lohnt     18       MVriad Pro Lohnt     10       MVriad Pro Lohnt     10       Minacara Encraved     10       Sample     Sample
AaBbYyZz 0123456789
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.
  - "Single file" 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.

Preferences	
Grid Display Memory Defaults Font Other	
<ul> <li>Radio Menu Settings</li> <li>Use Separate file for menu settings.</li> <li>Keep menu settings and frequencies in a single file.</li> </ul>	
<ul> <li>Open new file when needed for "Get Data From Radio".</li> <li>Use different windows for each radio programmer.</li> </ul>	
OK Cancel	Apply



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