

WCS-7600 Programming Software for the Icom IC-7600

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_				ana z	* 8							
	IC-7600 San	ple.IC760										
	Receive Frequency	Operating Mode	Data Mode	Name	Tone Mode	CTCSS	Rx CTCSS	Filter	Select Scan		Comment	
1	3.50000		Off		None	88.5 Hz	88.5 Hz	Filter 1			1	
2	3.57250	AM	8#		None	88.5 Hz	88.5 Hz	Filter 1			/'	
3	3.58500		Off	\sim	None	88.5 Hz	88.5 Hz	Fil				
4	3.59750		Off		None	88.5 Hz	88.5 Hz	Fil 💧	Memo	orv Channe	el Functions	
5	3.61000 /		Off		None	88.5 Hz	98.5 Hz	Fil		(left to rig	ht)	
6	3.62250		Off		None	88.5 Hz	88.5 Hz	-		(ieit to rigi	iii)	
7	3.63500 /	AM	Off		None	88.5 Hz	88.5 Hz	Fil	Receive	Frequency	CTCSS	
B								'	(eceive	riequency	01000	
9	28.10000		Off		None	88.5 Hz	88.5 Hz	Fil (Doeratir	ng Mode	Rx CTCSS	
0	28.11250		Off		None	88.5 Hz	88.5 Hz	Fil		0		
1	28.12500		Off		None	88.5 Hz	88.5 Hz		Data Mo	ode	Filter	
2	28.13750	AM AA				88.5 Hz	88.5 Hz	Fil			Calast Case	
3	28.15000	AM IVI	emor	y iyp	Jes	88.5 Hz	88.5 Hz	Fil	Name		Select Scan	
4	28.16250		(left to	right)		88.5 Hz	88.5 Hz	Fil -	Fone Mo	ahe	Comment	
5	28.17500			0		88.5 Hz	88.5 Hz	1.11		Juc	Comment	
6	28.18750	AM N	1emorie	es		88.5 Hz	88.5 Hz	Filtern	011			
17								-				
8	50.20000		imit Me	emorie	S	88.5 Hz	88.5 Hz	Filter 1				
9	50.21250		FO			88.5 Hz	88.5 Hz	Filter 1				
20	50.22500	11.1	10			88.5 Hz	88.5 Hz	Filter 1				
21	50.23750		Z	-	NONE	88.5 Hz	88.5 Hz	Filter 1				
22	50.25000		2ff		None	88.5 Hz	88.5 Hz	Filter 1				
23	50.26250		Off		None	88.5 Hz	88.5 Hz	Filter 1				
24	50.27500		Off		None	88.5 Hz	88.5 Hz	Filter 1				
25	50.28750 A		Off		None	88.5 Hz	88.5 Hz	Filter 1	UII			
	<pre>m Memor</pre>		memories	VFU								

The WCS-7600 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 Memory Channels
- 2 Limit Memories (1 pair)
- 33 VFO Channels

Other Menu Item Categories Include:

- Set Mode 1
- Set Mode 2
- Set Mode 3

The Programmer Is for so Much More than Just Memory Management. With the WCS-7600 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 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 (SP3), Vista, Windows 7 (32 or 64 bit) or Windows 8 or 8.1 (full version). CD drive for installation. Local USB port and RT Systems USB-RTS01 interface cable (6' length). The cable connects the radio to the computer from the USB port on the computer to the remote jack on the radio. Internet connection for software installation.





	IC-7600 Programmer - IC-76	00 Sample.IC7600	- 🗆 🗙
Eile Edit Communications Settings Window Help			
L 🗃 🖬 🖇 🗠 🖨 🔂 ↓ 🦓 ≜↓ 🤋			•
Proving Occupies Data	er1	Comment	 2
	Limit Memo (left to right		
	Receive Frequency Operating Mode	CTCSS Rx CTCSS	
	Data Mode	Filter	
	Name Tone Mode	Comment	
I ← → → Memories / Limit Memories / VFD /			
Ready			CAP NUM SCRL

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.

<u>F</u> ile		munications			ow <u>H</u> eip ↓ %						
_	IC-7600 Sa	1		ara z	* 8						
	Receive Frequency	Operating Mode	Data Mode	Name	Tone Mode	CTCSS	Rx CTCSS	Filt	er	Comment	
1-01	1.90000	ew	Off		None	88.5 Hz	88.5 Hz	Filter	1	1	
1.02	1.91000		8#		None	88.5 Hz	88.5 Hz	Filter	1	/	
1.03	1.91500		Off		None	88.5 Hz	88.5 Hz	Filte			
2.01	3.55000		Off		None	88.5 Hz	88.5 Hz	Filt	VFO Func	tions	
2.02	3.56000		Off		None	88.5 Hz	98.5 Hz	Filt	(left to rig	nt)	
2.03	3.58000		Off		None	88.5 Hz	88.5 Hz	File	(left to fight		
3-01	7.05000		Off		None	88.5 Hz	88.5 Hz	Filt	Receive Frequency	CTCSS	
3-02	7.06000		Off		None	88.5 Hz	88.5 Hz	1.000	Receive frequency	01000	
3-03	7.02000		Off		None	88.5 Hz	88.5 Hz	Filt	Operating Mode	Rx CTCSS	_
4.01	10.12000		Off		None	88.5 Hz	88.5 Hz	Filb			
4-02	10.13000		Off		None	88.5 Hz	88.5 Hz	Filt	Data Mode	Filter	
4-03	10.14000		Off		None	88.5 Hz	88.5 Hz	Filt		0	
5-01	14.10000		Off		None	88.5 Hz	88.5 Hz		Name	Comment	
5.02	14.20000		Off		None	88.5 Hz	88.5 Hz	Filt	Topo Modo		
5-03	14.05000		Off		None	88.5 Hz	88.5 Hz	Filt	Tone Mode		
6-01	18.10000		Off		None	88.5 Hz	88.5 Hz	Filter			
6-02	18.13000		Off		None	88.5 Hz	88.5 Hz	Filter			
6-03	18.15000		Off		None	88.5 Hz	88.5 Hz	Filter			
7-01	21.20000		Off		None	88.5 Hz	88.5 Hz	Filter			
7.02	21.30000	USB	Off		None	88.5 Hz	88.5 Hz	Filter	1		
7.03	21.05000	AM	Off		None	88.5 Hz	88.5 Hz	Filter	1		
8-01	24.95000	USB	Off		None	88.5 Hz	88.5 Hz	Filter	1		
8-02	24.98000	USB	Off		None	88.5 Hz	88.5 Hz	Filter	1		
8-03	24.90000	CW	Off		None	88.5 Hz	88.5 Hz	Filter	1		
9-01	28.50000	USB	Off		None	88.5 Hz	88.5 Hz	Filter	1		
H 4	Memo	ries 🖌 Limit N	1emories /	VF0							

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.



WCS-7600 Programming Software Radio Option Setting Screens

	Menu Se	ttings for IC-7600 - Untitl	ed.rsf		>
Low High SSB Off > AM Off > FM Off > CW Off > FM Off > CW Off > PRTY Off > PSK Off > Tone Control	SS8 Tx Bandwidth Vide 100 Hz v 2900 Hz v Mid 300 Hz v 2900 Hz v Nar 500 Hz v 2500 Hz v Beep Level 50% v CW 5ide Tone Level 50% v	Display Set Mode APF Width Popup MN Width Popup Meter Peak Hold Show Memory Name Power On Message Power On Message	Display Type A (Black) V Display Font Basic V LCD Brightness 50% V Key Backlight 80% V Meter Response Mid V	Meter Type (Normal) Standard V Meter Type (Vide) Bar V Screen Saver 60 minutes V Screen Saver Type Bound V	NB Set Mode Level 50% V Depth 8 V Width 50 V
Bass Treble SSB Tx 0 v SSB Tx 0 v AM Tx 0 0 v AM Tx 0 0 v AM Tx 0 0 v FM Tx 0 0 v FM Tx 0 0 v Scan Set Mode VDX Set M Delay Scan Speed Voice D Off	Gain conds V 50% V	ACC Set Mode Data Off Modulation Mic+ACC V Data 1 Modulation ACC V Data 2 Modulation Mic+ACC V Data 3 Modulation Mic V	External Meter Level 50% v External Meter Over Auto v Send Relay Type Lead v Reference Adjust 50% v	USB Modulation Level 50% ~ USB Audio SQL	Clock Set Mode Clock 2 Function Clock 2 Offset 00:00 v Clock 2 Name

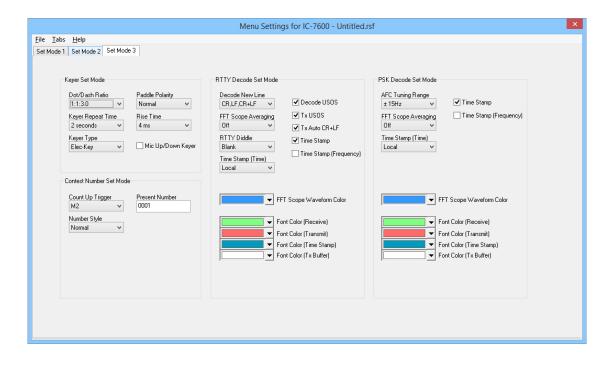
Node 1 Set Mode 2 Set Mode 3			Corres Contrada	
Other Set Mode	AM Notch Filter Auto/Manual v SSB Notch Filter Auto/Manual v Anterna Auto v APF Type Soft v Auto Tuning Step High v Band Edge Beep Dn (Default) v Beep Frequency 1000 Hz v Cw Normal Side LSB v	Memo Pad Channels 5 v Mic Up/Down Speed High v PSK Tone Frequency 1500 Hz v RF/SQL Operation RF/SQL Operation RF/SQL Operation RF/SQL Operation RT/Y Keying Polarity Normal v RTTY Mark Frequency 2125 Hz v RTTY Shift Width 170 Hz v Speech Language English v	Scope Set Mode Scope Set Mode Scope During Tx Max Hold Center Type Display Filter Sweep Speed 2.55Hz Mid 4.255Hz Mid 4.255Hz Mid 4.255Hz Fast 5.55Hz Fast 4.255Hz Fast 4.255	Fixed Edges 0.03 - 1.60 MHz 750 1250 1.60 - 2.00 MHz 750 1250 2.00 - 6.00 MHz 7500 7300 8.00 - 11.00 MHz 7000 7300 8.00 - 11.00 MHz 10100 10150 11.00 - 15.00 MHz 14000 14150 15.00 - 2.00 MHz 14006 18168 20.00 - 22.00 MHz 21000 21450 22.00 - 26.00 MHz 24800 28500 30.00 - 45.00 MHz 30000 30500 45.00 - 60.00 MHz 50000 50500
Speech S-Level Announce SSB/CW Sync Tuning Tuner Auto-Start Transverter Offset 16.000	Keyboard Type English v Keyboard Repeat Delay 250 ms v Keyboard Repeat Rate 10.9 cps v	Speech/Lock Speech/Lock Speech Speed Slow Transverter Auto V	Voice Set Mode Auto Monitor Short Play Time 5 seconds Normal Record Time 15 seconds V	User Band Edge 1 1.800000 1.999393 2 3.500000 3.999393 3 7.00000 7.30000 4 10.100000 10.150000 5 14.000000 14.350000

Set Mode 1 and Set Mode 2

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.





Set Mode 3

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.





WCS-7600 Programming Software Preferences – Version 4.50

Preferences									
Grid Display	Memory Defaults	Font	Other						
_	1			Mark the colum	ins to hide.				
Freeze	1			Column	Hic	de	4		
			Transr	nit Frequency]			
Alt	ernate row		Offset	Frequency]			
	A I Row1		Offset	Direction]			
	2 Row 2		Name			-			
	2 Row 2		Tone N			-			
	4 Row 4		CTCS			-			
			RxCTCSS						
	Fore Back		DCS						
			Tx Pov						
			-	hannel Lockout		-			
Use Co	ombo for Check box		Skip						
			Clock !			-			
Langua	ige:		Battery						
English	h 🗸		Comm	ent					
							-		
				ОК	Canc	el		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	1.25m	1.60 MHz 🔹	
columns according to the Tone Mode selection.	70cm	5.00 MHz 👻	
Add and Remove Offsets Offset Pick an offset frequent remove to delete it fro 1 100 kHz Remove 2 500 kHz 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
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	
 Radio Menu Settings Use Separate file for menu settings. Keep menu settings and frequencies in a single file. 	
 Open new file when needed for "Get Data From Radio". Use different windows for each radio programmer. 	
OK Cancel	Apply



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