

RET-9000 Programming Software for the Retevis RT-9000D

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RT-9000D Sample.RT9000D ×			-
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3 220.05000 220.05000 Simplex 25.1Hz None 88.5 Hz 88.5 4 220.05250 220.05250 Simplex 25.1Hz None 88.5 Hz 88.5 5 220.07500 Simplex 25.1Hz None 88.5 Hz 88.5 6 220.08750 23.08750 Simplex 25.1Hz None 88.5 Hz 88.5 7 221.0000 220.01250 Simplex 25.1Hz None 88.5 Hz 88.5 8 220.11250 Simplex 25.1Hz None 88.5 Hz 88.5	Memory Channel Functions (left to right) Receive Frequency Optional Signaling	OH OH OH OH OH OH OH OH	
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The RET-9000 Programmer is designed to give you the ease and convenience of programming the memories and set menu options of your radio from your PC.

The Programmer works for the VHF, UHF and 220MHz radios. Each file created will be for a specific band just as the radios operate in one band.

Memory Channels Include:

- 200 Memory Channels
- 2 Limit Memories (1 pair)
- 1 VFO Channel

Other Menu Item Categories Include:

- Common 1
- Common 2
- DTMF
- 2Tone
- 5Tone

The Programmer Is for so Much More than Just Memory Management. With the RET-9000 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 Windows XP (SP3), Vista, Windows 7 (32 or 64 bit) or Windows 8 or 8.1 (full version), Windows 10. CD drive for installation. Local USB port and RT Systems USB-29A interface cable (6' length). The cable connects the radio to the computer from the USB port on the computer to the data jack on the radio. Internet connection for software installation.





RET-9000 Programming Software **Memory Types**

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KT-9000D Sample.RT9000D * × Receive Transmit Offset Offset Channel v - v - v - v - v - v - v - v - v - v	By By DCS Option	al Optional Squelch Tx chie State	DTME STone Scrambler Busic Channel	
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	88.5 Hz 023 023 Both N Off	1 Carrier High 50 kHz		<u> </u>
	Limit N	Aemories		
	(left	to right)		
	Receive Frequency	Optional Signaling		
	Transmit Frequency	Optional Code		
	Offset Frequency	Squelch Mode		
	Offset Direction	Tx Power		
	Channel Spacing	Skip		
	Name	Step		
	Tone Mode	DTMF PTT ID		
	CTCSS	5Tone PTT ID		
4 ↔ >> Memories Limit Memories VFO	Rx CTCSS	Scrambler Switch		•
eady	DCS	Busy Channel Lockout		CAP NUM SCRL
	Rx DCS	Compander		
	DCS Polarity	Comments		

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.

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Receive Transmit Offset Offset Channel Tone Mode CTCSS Rx Frequency Frequency Direction Spacing Tone Mode CTCSS CTCSS	DCS Rx DCS Optional Op DCS Polarity Signaling C v 023 v 023 v Both N v Off v 1	tional Squelch Tx Step DTMF 5 ode Mode Power Step PTT ID F v Carrier v High v 10 kHz v Off v Off	Tone Scrambler Busy Channel Compander Commen	d A
	-	unctions to right)		
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	Offset Direction	Tx Power		
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	Tone Mode	DTMF PTT ID		
	CTCSS	5Tone PTT ID		
	Rx CTCSS	Scrambler Switch		
H ← → H Memories Limit Memories VFD	DCS	Busy Channel Lockout		T I
Ready	Rx DCS	Compander	[CAP]N	
	DCS Polarity	Comments		

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.





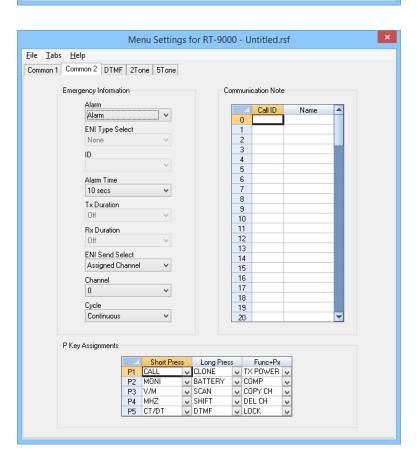
RET-9000 Programming Software Radio Option Setting Screens

Menu Se	ettings for RT-9000 - I	Untitled.rsf
<u>F</u> ile <u>T</u> abs <u>H</u> elp		
Common 1 Common 2 DTMF 2Tone 5	Tone	
Power On Message Code (Power On Password) Enable	Auto Power Off Off v Backlight Color Blue v Backlight Brightness 25 v Display Mode	Squelch Key Function Squelch Off v Squelch Level 4 v Tail Eliminator Off v Time Out Timer
Beep Channel Lock Disable Setup Menu Eliminate Squelch Tail Init Inhibit Lock	Frequency V Display Type VF0 V Memory Channel 0 V Scan Resume Time V	3 mins v Tone Burst 1750 Hz v Tx Power 65 Watts v
Scan Mode C Enable Priority Channel Select Off Priority Channel 1 0 Priority Channel 2 0 V	Enter Tone Revert Channel Selected Look Back Time A 1.5 secs Look Back Time B 2.5 secs	Dropout Delay 3.0 secs V Dwell 3.0 secs V

Common 1 and Common 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.





	Menu Settings for RT-9000	- Untitled.rsf
<u>F</u> ile <u>T</u> abs <u>H</u> elp		
Common 1 Common 2 DTMF	2Tone 5Tone	
	210he Stone	
1st Digit	Group Code	Number
200 ms 🗸 🗸	А 🗸 М	
Auto Reset	Interval Character M	2
10.0 secs 🗸 🗸	* v M	
Decode Response	PTT ID Delay	
None v	19	
	[17]	
Encode Delay		
200 ms 🗸 🗸	50 ms V M	
Encode Preload	M	
500 ms 🗸 🗸	ANI	
	✓ Side Tone	12
	M	
	M	
	M	
Self ID	M	16
123		Use E for * and F for #
PTT ID Start (BOT)		
PTT ID End (EOT)		

DTMF

2Tone

Set options for a 2Tone paging sytem.

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

File Taka Ilah	_	Me	nu Settir	ngs for RT	9000 - Untitled.rsf
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	non 2	DIMF 200	ine 51 one	9	
Enco	de				
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	3				2nd 0.5 secs V
	4				
	5				Long 1.0 secs 🗸
	6 7				
	8				Gap Time
	9				1000 ms 🗸
	10				Auto Reset
	11				10.0 secs 🗸
	12 13				
	14				 Side Tone
	15				
	16				
Deco	de				
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	Decodi	Call Forma		* *	A 321.7 B 928.1 C 626.5
					D 2043.8



PTT ID Encode ID Encode Standard Encode Time	<u>T</u> abs	<u>H</u> elp											
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4 v v v 5 v v v 6 v v v 7 v v v 8 v v v Information ID Function Option 1 Squelch Off v v 2 Squelch Off v v v						_		-		_			-
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5Tone

Set options for a 5Tone paging sytem.



RET-9000 Programming Software Preferences – Version 4.50

Pre	eferences									
	Grid Display	Memory Defaults	Font	Other						
	F	1			Mark the colum	nns to hide.				
	Freeze	1			Column	Hide	4	•		
				Transr	mit Frequency					
	Alt	ernate row		Offset	Frequency					
		A Row 1		Offset	Direction					
	2			Name						
	3			Tone I						
	4			CTCS						
				Rx CT	CSS					
	F	Fore Back		DCS						
				Tx Pov						
	— 11-1- Co	mbo for Check box		Skip	Channel Lockout					
	l Use Co	mbo for Check box		Clock	Shift					
				Battery						
	Langua	-		Comm						
	English	n -								
								-		
	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	-
Check ShowName Automatically Convert Split offsets to standand Plus or	6m	500 kHz	-
Minus when available.	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 1 100 kHz remove to delete it from 2 500 kHz Remove 3 600 kHz To add an offset 4 1.00 MHz V	n 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.