

BAO-997S Programming Software for the Pofung/Baofeng 997S

File	Edit Comm	unications	Settings V	Vindow H	eln														
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	997S Sample	e.9975 ×																	
4	Receive Frequency	Transmit Frequency	Offset Frequency	Offset Direction	Operating Mode	Name To	ne Mode	CTCSS	Rx DC	s Rx DCS	DCS Polarity	Tx Power	Scan Add	Busy Lock	PTT ID	Signal Code		Comment	
0	146.50800	146.50000		Simplex	FM	Non		67.0 Hz	67.0 Hz 23	23	Both N	High	Scan		Off	1			
1	146.51250	146.51250	~	Simplex	FM	Non		67.0 Hz	67.0 Hz 23	23	Both N	High	Scan		Off	1			
2	146.52500	146.52500		Simplex	FM	Non			-						Off	1			
3	146.53750	146.53750		Simplex	FM	Non		Mer	nory C	hann	el Fui	nctio	ns		Off	1	-		
4	146.55000	146.55000		Simplex	FM	Non				eft to rig					Off	П			
5	146.56250	146.56250		Simplex	FM	Non			(16	ar to fig	5110				Off	1			
6	146.57500	146.57500		Simplex	FM	Non		Poco	ive Frequ	onev	DCS	2	F		Off	1			
7	146.58750	146.58750		Simplex	FM	Non		Rece	ive riequ	ency	DU	2			Off	1			
8	146.60000	146.60000		Simplex	EM	Non		Trans	mit Frequ	iency	Rv	DCS			Off	1			
9	146.61250	146.01250		Minus	FM	Non		man	mining	JUTICY	117	000			Off	1			
10	146.62500	146.02500		Minus	FM	Non		Offse	t Frequer	ICV	DC	S Polar	ritv –	<u> </u>	Off	1			
11	146.63750	146.03750	600 kHz	Minus	FM	Non	e			-				<u> </u>	Off	1			
12 13	155.55000	155,55000		Simplex	EM Narrow	Non	_	Offse	t Directio	n	Tx I	Power			Off	1			
14	155.56250		-		FM Narrow	Non					~				Off	1			
14	155.56250	Mem	ory T	ypes	FM Narrow	Non		Oper	ating Moc	le	Sca	n Add			Off	1			
16	155.58750		ft to righ		FM Narrow	Non		NI			D				Off	1			
10	155.60000		in to right	.,	FM Narrow	Non		Nam	e		Bus	sy Lock	< _		Off	1			
18	155.61250	Mem	orios	-	FM Narrow	Non		Tono	Mode		PT1		_		Off	1			
19	155.62500	INIGILI	01165		FM Narrow	Non		Tone	woue		ΓII	D			Off	1			
20	155.63750	VFO			FM Narrow	Non		CTCS	22		Sig	nal Coo	de	H	Off	1			
21	155.65000	,10			FM Narrow	Non					Jigi			H	Off	1			
22	155.66250	155.66250		Simplex	FM Narrow	Non		Rx C	TCSS		Cor	nment		H H	Off	1			
23	155.67500	155.67500		Simplex	FM Narrow	Non					001			H H	Off	1			
24	155.68750	155,66750		Simplex	FM Narrow	Non		67.0 Hz	67.0 Hz 23	23	Both N	High	Scan	П	Off	1			
25	155,70000	155/0000		Simplex	FM Narrow	Non			67.0 Hz 23	23	Both N	High	Scan		Off	1			
	Memor												•						•

The BAO-997S 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:

- 128 Memory Channels
- 2 VFO Channels

Other Menu Item Categories Include:

Common

The Programmer Is for so Much More than Just Memory Management. With the BAO-997S 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 (32 or 64 bit), Windows 8 or 8.1 (full version) or Windows 10. Local USB port and RT Systems USB-K4Y interface cable (6' cable length). The cable connects the radio to the computer from the USB port on the computer to the Speaker/Mic jack on the radio. Internet connection for update at end of software installation.





BAO-997S Programming Software **Memory Types**

	997S Programmer - 997	'S Sample.997S		- 🗆 ×
Eile Edit Communications Settings Window Help D D D D D D D D				
9975 Sample.9975 ×				•
Receive Frequency Transmit Offset Offset Operating Tone Mode CTCSS A 14655990 145 60000 Simplex FM None 67.0 Hz B 155.55000 155 55999 Simplex FM None 67.0 Hz	✓ 67.0 Hz ✓ 23 ✓ 23 ✓ Both N	rower .	TT ID Signal Comm Code Comm	ent 📃
	VFO Func (left to rig			
	Receive Frequency	DCS		
	Transmit Frequency	Rx DCS		
	Offset Frequency	DCS Polarity		
	Offset Direction	Tx Power		
	Operating Mode	Step		
	Tone Mode	PTT ID		
	CTCSS	Signal Code		
	Rx CTCSS	Comment		
			J	
Nemoties VFD				
Ready				CAP NUM SCRL

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.





BAO-997S Programming Software Radio Option Setting Screens

		Menu Settings for 997S - Untitle	d.rsf	×
<u>File Tabs H</u> elp Common				
☐ Auto Lock ✔ Beep ☐ Busy Channel Lockout ✔ Menu in Channel Mode ✔ FM Radio Enabled ☐ Key Lock ☐ Dual Watch Enable	Battery Save 1:3 v Backlight (ABR) 5 seconds v Px Backlight Blue v	Scan Resume Time V Squelch Level 3 V Time Out Timer 60 secs V	DTMF Encode 1 20202 2 11111 3 22222 4 33333 5 44444	DTMF-ST DT-ANI v DTMF Speed On Time 80 ms v
Reset Enabled Welcome Welcome	Tx Backlight Orange v Wait Backlight Purple v	Tx Dual Watch Off v Tail Tone On v	6 55555 7 66666 8 77777 9 88888	Off Time 80 ms 🗸
A Band Display Mode Channel+Frequency v B Band Display Mode Channel+Frequency v Alarm Mode Site v	Power On Message Welcome v PTT ID Off v PTT Delay 5 v	Tail Tone (Repeater) 5	10 99999 11 12121 12 34343 13 56565 14 78787 15 30303	ANHD ☐ Press PTT to Send ☑ Release PTT To Send Number 80808
Number of 128 Channels	Roger Off ✓	VOX Off v		

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.



BAO-997S Programming Software **Preferences**

Preferences								
Grid Display	Memory Defaults	Font	Other					
_	1			Mark the colum	ns to hide.			
Freeze	1			Column	Hid	e	+	
	ernate row		Transr	nit Frequency				
Alt	A A			Frequency				
	I Row1			Direction				
	2 Row 2		Name					
	3 Row 3		Tone M					
	4 Row 4 Fore Back					-		
				CSS		-		
				ver		-		
				hannel Lockout		-		
Use Co								
			Skip Clock :	Shift				
Langua			Battery	/ Save				
	-		Comm					
Englis	n 🔻							
							-	
				ОК	Cance	: 		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 frequency remove to delete it from Pick an offset frequency Pick an offset			
2 500 kHz Remove			
3 600 kHz 4 1.00 MHz 4 1.00 MHz 4 1.00 MHz			
4 1.00 MHz double click "END OF	LIST."		
[ок	Cancel	Apply
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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.