

PFG-9500 Programming Software for the Pofung/Baofeng BF-9500

	BF-9500 Programm	er - BF-9500 Sample.BF9500			- 🗆 🗾
<u>File Edit Communications Settings Window H</u> elp					
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BF-9500 Sample.BF9500 ×					
Receive Frequency Transmit Offset Operating Prequency Name Tone Mode CTCSS 0 400.005 00.00000 Simplex FM Narrow None 85.4 Hz 1 400.01250 4000000 Simplex FM Narrow None 85.4 Hz 2 400.0250 Simplex FM Narrow None 85.4 Hz	CTC55 Foldilly Signaling Cour	al Squelch Tx Node Power Skip Step PTT Carrier High 12.5 kHz Off Carrier High 12.5 kHz Off	AF 5Tone Scrambler Bu ID PTTID Switch Off Off	Lockout Compander	Clock Comment
3 400.03750 400.03750 Simplex FH4.Marcov None 85.4 Hz 4 400.05000 400.05000 Simplex FM Narrov None 85.4 Hz 5 400.06250 400.05250 Simplex FM Narrov None 85.4 Hz 6 400.07500 400.05250 Simplex FM Narrov None 85.4 Hz 6 400.07500 Simplex FM Narrov None 85.4 Hz		nnel Functions o right)			
7 400.08750 Simplex FM Narrow None 68.4 Hz 8 400.10000 400.10000 Simplex FM Narrow None 85.4 Hz 9 400.11250 Simplex FM Narrow None 85.4 Hz 10 400.12500 Simplex FM Narrow None 85.4 Hz 11 400.12500 Simplex FM Narrow None 85.4 Hz 10 400.12500 Simplex FM Narrow None 85.4 Hz 10 400.12500 Simplex FM Narrow None 85.4 Hz	Receive Frequency Transmit Frequency	Optional Code Squelch Mode			
12 400.15000 400.15000 Simplex FM Narrow None 85.4 Hz 13 400.16250 Memory Types r/w None 65.4 Hz 14 15 440.00000 None 65.4 Hz	Offset Frequency Offset Direction	Tx Power Skip			
None 85.4 Hz 18 440.03750 19 440.05000 20 440.06500 None 65.4 Hz	Operating Mode Name	Step DTMF PTT ID	Off		
VFO None 85.4 Hz 22 440.07500 VFO None 85.4 Hz 23 440.1000 445.12500 5400 MHz Plus FM None 85.4 Hz 24 440.11250 445.12500 5400 MHz Plus FM None 85.4 Hz 24 440.11250 445.12500 5400 MHz Plus FM None 85.4 Hz	Tone Mode CTCSS	5Tone PTT ID	0ff 0ff 0ff 0ff		
20 4401 (200) 4401 (200) 4401 (200) FM None 656 4 Hz 27 4401 (200) 4451 (320) (500 MHz Plus FM None 656 4 Hz 28 4401 (520) 4455 (200) (500 MHz Plus FM None 656 4 Hz 28 4401 (520) 4455 (200) (500 MHz Plus FM None 654 Hz 440 (1620) 4455 (200) (500 MHz Plus FM None 654 Hz	Rx CTCSS	Scrambler Switch Busy Channel Lockout			
leady	DCS	Compander			CAP NUM SCF
	Rx DCS	Clock Shift			
	DCS Polarity	Comment			
	Optional Signaling				

The PFG-9500 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:

- 200 Memory Channels
- 1 VFO Channels

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 PFG-9500 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-31 interface cable (6' cable length). The cable connects the radio to the computer from the USB port on the computer to the Mic jack on the radio. Internet connection for update at end of software installation.





PFG-9500 Programming Software Memory Types

	BF-9500 Program	mer - BF-9500 Sample.BF9500	-	. 🗆 🗙
Eile Edit Communications Settings Window Help				
□ ☞ 묘 ※ 唱 등 ☞ ↓ ♣				-
Receive Frequency Transmit Frequency Offset Frequency Offset Frequency Offset Frequency Offset Frequency Offset Frequency Offset Frequency Frequency Source Frequency Frequency	DCS DCS Optional Optional So Polarity Signaling Code N	auelch Tx Step DTMF 5Tone St fode Power Step PTTID PTTID St ier ↓ Low ↓ 6.25 kHz ↓ Off ↓ Off ↓	crambler Busy Channel Compander Clock Comment	
	-	unctions to right)		
	Receive Frequency	Optional Code		
	Transmit Frequency	Squelch Mode		
	Offset Frequency	Tx Power		
	Offset Direction	Step		
	Operating Mode	DTMF PTT ID		
	Tone Mode	5Tone PTT ID		
	CTCSS	Scrambler Switch		
	Rx CTCSS	Busy Channel Lockout		
H 4 → H Memories VFD	DCS	Compander		T I
Ready	Rx DCS	Clock Shift	CAP	NUM SCRL
	DCS Polarity	Comment		
	Optional Signaling			

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.





PFG-9500 Programming Software Radio Option Setting Screens

Power On Message	Auto Power Off	Memory Channel
	Off 🗸 🗸	0 🗸
	Backlight Brightness	Scan Resume
Scrambler Frequency	8 🗸	Time 🗸
Hz	Rx Backlight Color	Squelch Level
	Blue 🗸	5 v
Веер	Tx Backlight Color	Tail Eliminator
	Orange 🗸 🗸 🗸	Off 🗸 🗸
Key Lock	Standby Backlight Color	Time Out Timer
Priority Scan	Purple V	3 minutes 🗸 🗸
Channel Only Mode	Display Mode	Tone Burst
	Name 🗸	1750 Hz 🗸 🗸
	Display Type	
	VFO V	
Scan Mode		
Enable		
Priority Channel Select	Revert Channel	Dropout Delay
Off 🗸 🗸	Selected V	3.0 seconds 🛛 👻
Priority Channel 1	Look Back Time A	Dwell
	1.5 seconds 🛛 👻	3.0 seconds 🛛 🗸
0 ~		
0 V Priority Channel 2	Look Back Time B	

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	u Settings for BF-9500 - Untitled.rsf
<u>F</u> ile <u>T</u> abs <u>H</u> elp	
Common 1 Common 2 DTMF 2Tone	5Tone
Emergency Information	Key Assignments
Alarm Alarm	▼ Function
ENI Type Select	PF1 CALL V PF2 V/M V PF2 BADIO
ID	PF3 RADIO V PF4 BATTERY V
Alarm Time	× .
10 seconds	v
Tx Duration 1 second	v
Rx Duration 1 second	
ENI Send Select	
Assigned Channel Channel	v
0	~
Cycle Continuous	~



	Menu Settings for BF-9500 - Untitled.rsf	×
<u>F</u> ile <u>T</u> abs <u>H</u> elp		
Common 1 Common 2 DTMF	2Tone 5Tone	
1st Digit	Group Code Number	
200 ms 🗸 🗸		
Auto Reset	Interval Character M2	
10.0 seconds 🛛 👻	× • • M3	
Decode Response	PTT ID Delay M5	
None 🗸 🗸	Off V M6	
Encode Delay	Speed M7	
200 ms 🗸 🗸	50 ms ¥ M8	
Encode Preload	M9	
500 ms 🗸 🗸	M10 Use E for * and F for #	
	✓ Side Tone	
	Tx Continue	
	DTMF Lock	
Self ID		
12345		
PTT ID Start (BOT)		
0000000000000000		
PTT ID End (EOT)		
000000000000000000000000000000000000000		

DTMF

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

abs <u>H</u> e n 1 Com	mon 2 [TMF 2To	ine 5Tone	•	
Enc	ode	1.4 7.4 4.4	2nd Tone	Name	Tone Duration
	1	1st Tone 321.7	2nd Tone 928.1	Name	1st 0.5 seconds V
	3				2nd 0.5 seconds 🗸
	5				Long 1.0 seconds 👻
	7 8 9				Gap Time 1000 ms 🗸
	10 11				Auto Reset
	12 13				10.0 seconds ∨
	14 15 16				
	10	1			
Dec	ode				
					Tone Frequency
	Decodin	Call Formal g Response		>	A 321.7 B 928.1 C 626.5 D 2043.8

2Tone

Set options for a 2Tone functionality specific to your system.



Men	u Settings for BF	-9500 - Unti	tle	d.rsf			
ile <u>T</u> abs <u>H</u> elp							
Common 1 Common 2 DTMF 2Tone	e 5Tone						
Decode Standard	Self ID 12345	Decoding Re None Decode Time 0 ms		v			× ×
ZVEI1 0 2400.0 Hz 8 2000.0 Hz 1 1060.0 Hz 9 2200.0 Hz 2 1160.0 Hz A 2800.0 Hz 3 1270.0 Hz B 810.0 Hz	✓ Side Tone	Decode Ton 70 ms Encode Dela		me V	PTT Off Stop	ID Delay Code	~
4 1400.0Hz C 970.0Hz 5 1530.0Hz C 970.0Hz 6 1670.0Hz E 2600.0Hz 7 1830.0Hz F 680.0Hz		200 ms Encode Preid 500 ms		¥ ¥	F Stop 200	Time	v
Encode IE		Encode Standa ZVEI1	bre 🗸	Encode T 70 ms	ime V	Name	
2 3 4			< < <		* *		
5 6 7			> > >		> > >		
8			v		¥		-
BOT P	IT ID Encode ID			Encode	Standa	rd Encode	e Time
EOT						¥	¥
Information ID							
Function Option	Decoding Response None	1	ID	Fu	nction	Name 🔺	
2 Squelch Off 🗸 🗸	None v						
	None v	1				-	

5Tone

Set options for a 5Tone paging sytem.



PFG-9500 Programming Software **Preferences**

Pre	eferences								
	Grid Display	Memory Defaults	Font	Other					
	_	1			Mark the colum	ins to hide.			
	Freeze	1			Column	Hide	-		
	A +	ernate row			nit Frequency				
	AIL	A			Frequency				
		Row 1			Direction				
	2			Name					
		Row 3		Tone M CTCSS					
	4	Row 4		RxCT					
		Fore Back		DCS					
		Fore Back		TxPov	ver				
				Busy C	hannel Lockout				
	🔲 Use Co	mbo for Check box		Skip					
				Clock :	Shift				
	Langua	qe:		Battery					
	English	-		Comm	ent				
					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 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	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.