rtSYSTEMS
RADIO PROGRAMMING MADE EASY

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

Memory Channel Functions
(left to right)

Receive Frequency	DCS
Transmit Frequency	Rx DCS
Offset Frequency	DCS Polarity
Offset Direction	Tx Power
Operating Mode	Scan Add
Name	Busy Lock
Tone Mode	PTT ID
CTCSS	Signal Code
Rx CTCSS	Comment

Memory Types
(left to right)

Memories

VFO

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.
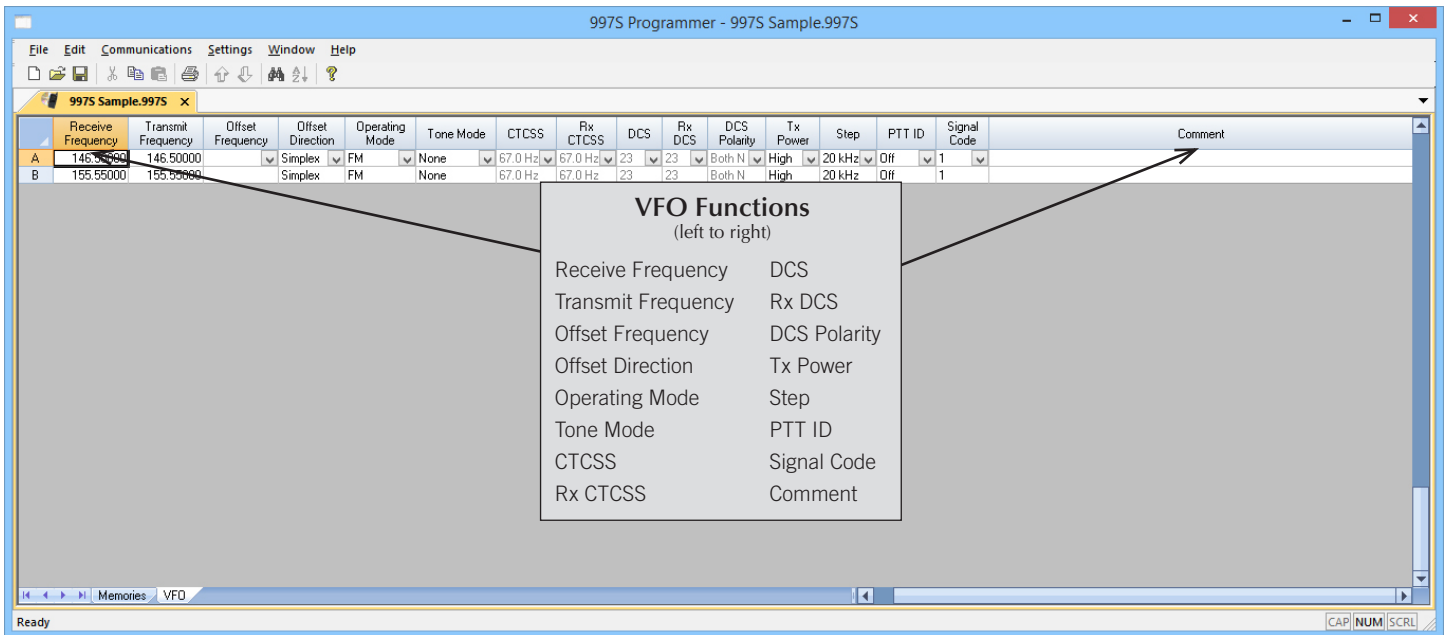
Managing all the options of this great little radio becomes easy with the Programmer. The cut, copy, paste and insert features of the Programmer make channel management easier than ever.

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.
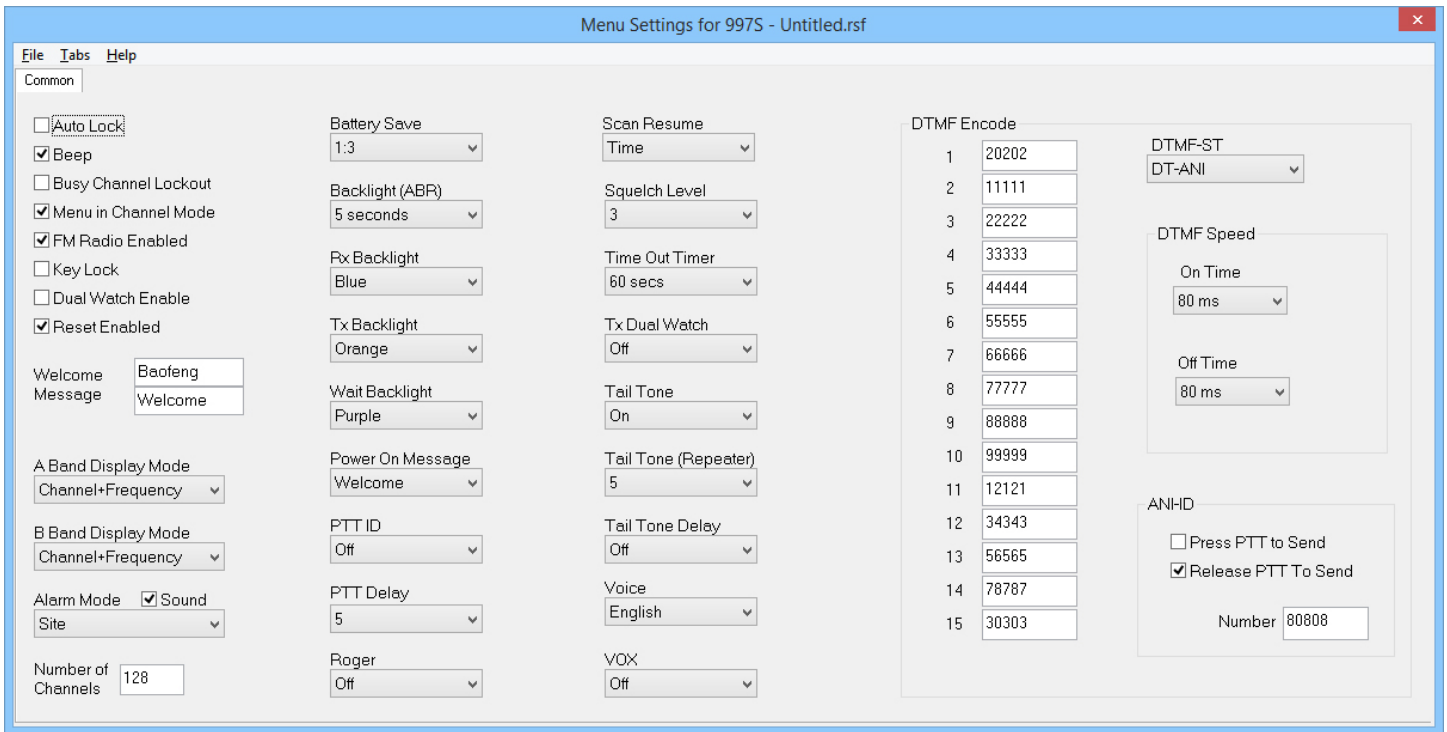

Hardware Requirements:
A PC running A PC running XP SP3 (32 or 64 bit), Windows 7 (32 or 64 bit), Windows 8 or 8.1 (full version) or Windows 10. Local USB port and RT Systems USB-K4Y interface cable (6' cable length). The cable connects the radio to the computer from the USB port on the computer to the Speaker/Mic jack on the radio. Internet connection for update at end of software installation.

VFO Functions
(left to right)

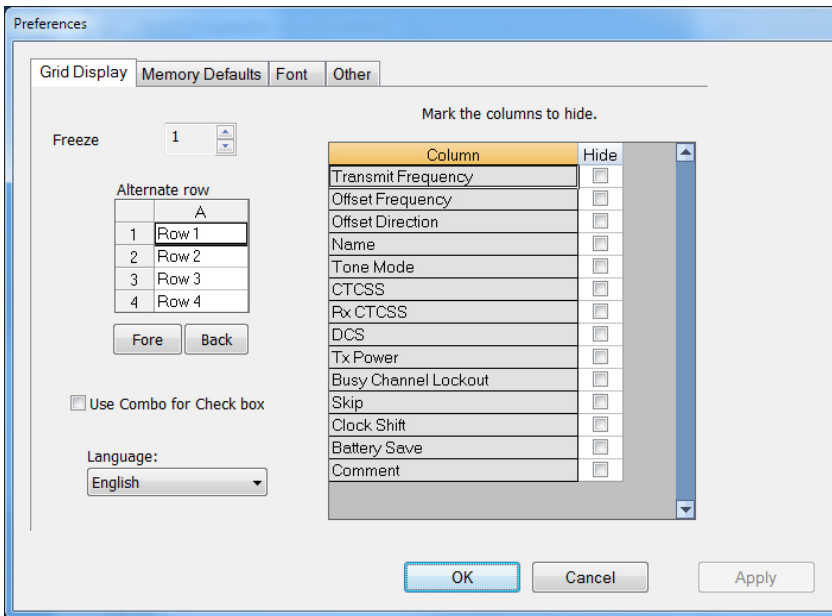|	
Receive Frequency	DCS
Transmit Frequency	Rx DCS
Offset Frequency	DCS Polarity
Offset Direction	Tx Power
Operating Mode	Step
Tone Mode	PTT ID
CTCSS	Signal Code
Rx CTCSS	Comment

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.

Menu Settings for 997S - Untitled.rsf

File   Tabs   Help

Common

☐ Auto Lock	Battery Save	Scan Resume	DTMF Encode
☑ Beep	1:3	Time	1 20202
☐ Busy Channel Lockout	Backlight (ABR)	Squelch Level	2 11111
☑ Menu in Channel Mode	5 seconds	3	3 22222
☑ FM Radio Enabled	Rx Backlight	Time Out Timer	4 33333
☐ Key Lock	Blue	60 secs	5 44444
☐ Dual Watch Enable	Tx Backlight	Tx Dual Watch	6 55555
☑ Reset Enabled	Orange	Off	7 66666

Welcome Message: Baofeng / Welcome

DTMF-ST: DT-ANI

DTMF Speed

On Time: 80 ms

Off Time: 80 ms

Wait Backlight	Tail Tone	8 77777
Purple	On	9 88888

A Band Display Mode	Power On Message	Tail Tone (Repeater)	10 99999
Channel+Frequency	Welcome	5	11 12121

B Band Display Mode	PTT ID	Tail Tone Delay	12 34343
Channel+Frequency	Off	Off	13 56565

Alarm Mode ☑ Sound	PTT Delay	Voice	14 78787
Site	5	English	15 30303

Number of Channels: 128	Roger	VOX
	Off	Off

ANI-ID

☐ Press PTT to Send
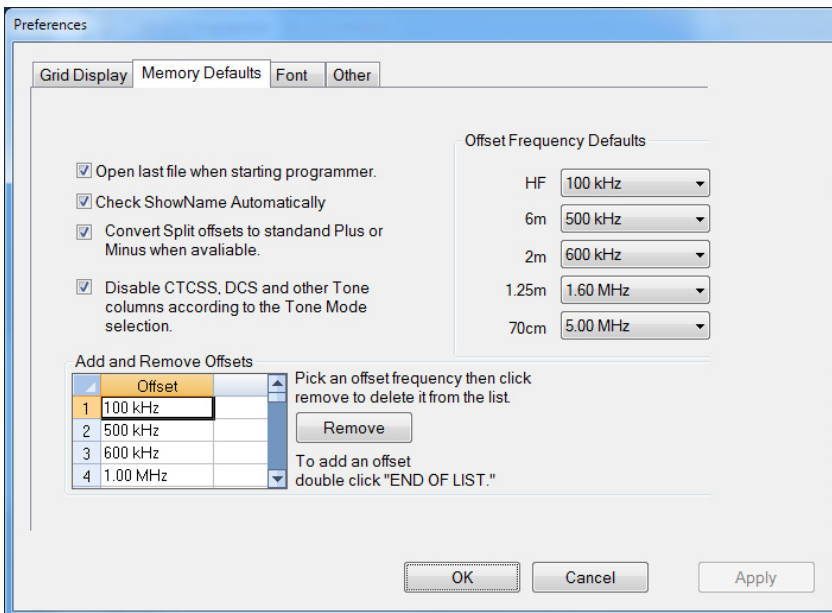☑ Release PTT To Send

Number: 80808

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.
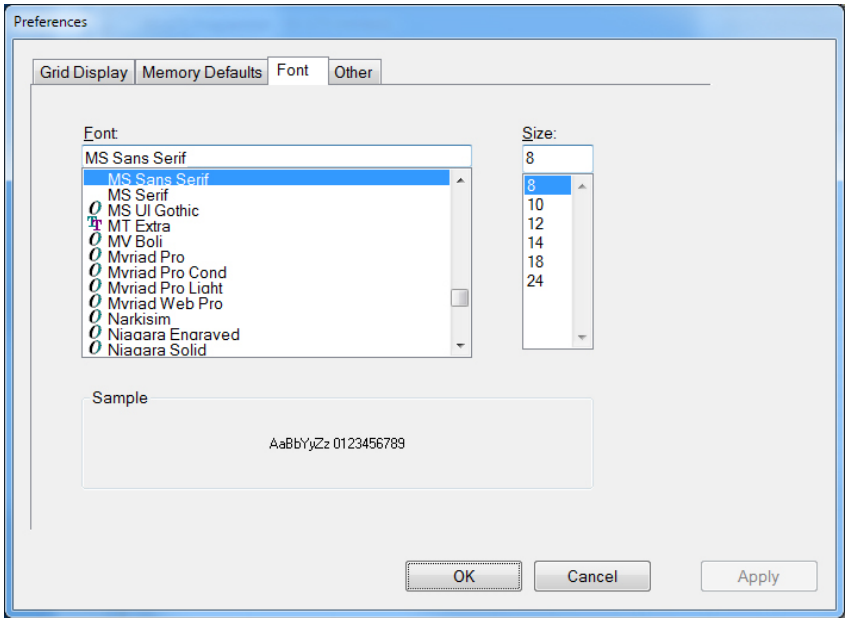
Grid Display

- 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 print-out: hidden columns do not print.
- Use Combo for Check boxes – changes the grid to eliminate check box selections that are disabled on some systems.
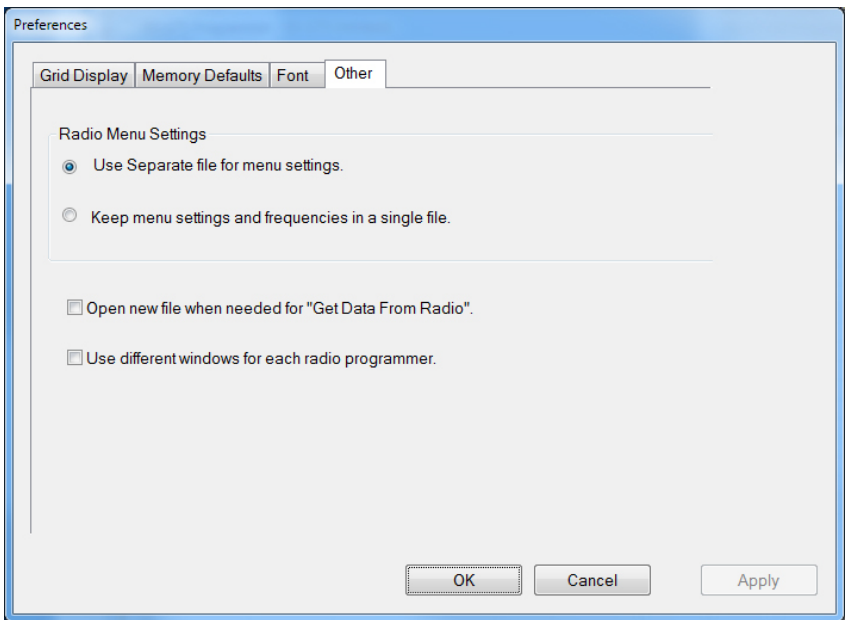

Memory Defaults

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

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.

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