

BAO-8HX Programming Software for the Pofung/Baofeng UV-8HX

| | | | | | | | | | UV-8X | Program | nmer - | UV-8H | IX Samp | le.UV | 3X | | | | × |
|---|----------------------|-----------------------|--------------------------------|---------------------|-------------------|------|------|--------|----------|-------------|--------|-----------|-----------------|------------|------|--------------|--------|----------------|---------------------------------------|
| Eile Edit <u>C</u> ommunications Settings <u>W</u> indow <u>H</u> elp | | | | | | | | | | | | | | | | | | | |
| | | b 🛍 🥔 | A D A | M 41 🤊 | | | | | | | | | | | | | | | |
| UV-8HX Sample.UV8X × | | | | | | | | | | | | | | | | | | | |
| | Receive Frequency | Transmit Frequency | Offset Frequency | Offset Direction | Operating Mode | Name | Ton | e Mode | CTCSS | Rx CTCSS | DCS | Rx DCS | DCS Polarity | Tx Powe | | Busy Lock | PTT ID | Signal Code | Comment |
| 0 | 146.55500 | 146.50000 | | Simplex | FM | | None | | 67.0 Hz | 67.0 Hz | 23 | 23 | Both N | High | Scan | | Off | 1 | |
| 1 | 146.51250 | 146.51250 | ~ | Simplex | FM | | None | | 67.0 Hz | 67.0 Hz | 23 | 23 | Both N | High | Scan | | Off | 1 | |
| 2 | 146.52500 | 146.52500 | | Simplex | FM | | None | | | | | _ | | | Scan | | Off | 1 | |
| 3 | 146.53750 | 146.53750 | | Simplex | FM | | None | Me | mory | ' Cha | nne | l Fur | nctio | ns | Scan | | Off | | |
| 4 | 146.55000 | 146.55000 | | Simplex | FM | | None | | 1 | | o righ | | | | Scan | | Off | 1 | |
| 5 | 146.56250 | 146.56250 | | Simplex | FM | | None | | | (.e.e.e | | - | | - | Scan | | Off | 1 | |
| 6 | 146.57500 | 146.57500 | | Simplex | FM | | None | Rec | oivo Fr | equen | CV | DCS | 2 | | Scan | | Off | 1 | |
| 7 | 146.58750 | 146.58750 | | Simplex | FM | | None | Neu | | equen | Су | DUU |) | | Scan | | Off | 1 | |
| 8 | 146.60000 | 146.60000 | | Simplex | FM | | None | Tran | smit F | requer | ICV | Rx I | DCS | _ | Scan | | Off | 1 | |
| 9 | 146.61250 | 146.01250 | | Minus | FM | | None | | | • | - | | | _ | Scan | | Off | 1 | |
| 10 | 146.62500 | 146.02500 | | Minus | FM | | None | Offs | et Frea | juency | | DCS | S Polar | ity 🗏 | Scan | | Off | 1 | |
| 11 | 146.63750 | 146.03750 | 600 KHZ | Minus | FM | | None | 0.00 | | | | | _ | - | Scan | | Off | 1 | |
| 12 13 | 155.55000 | _ | | | FM Narrow | | None | Offs | et Dire | ction | | IXI | Power | - | Scan | | Off | 1 | |
| 14 | 155.56250 | Mem | orv T | vpes | FM Narrow | | None | One | rating | Modo | | 500 | n Add | - | Scan | | Off | 1 | |
| 15 | 155.57500 | (10 | 10ry T y eft to righ | | FM Narrow | | None | Obe | rating I | woue | | SCa | II Auu | | Scan | H | Off | 1 | |
| 16 | 155.58750 | (IE | ar to righ | it) | FM Narrow | | None | Nam | ie | | | Bus | y Lock | | Scan | | Off | 1 | |
| 17 | 155.60000 | Mem | orios | | FM Narrow | | None | | | | | | - | ` | Scan | | Off | 1 | |
| 18 | 155.61250 | wern | IONES | | FM Narrow | | None | Tone | e Mode | 9 | | PTT | D | - | Scan | | Off | 1 | |
| 19 | 155.62500 | VFO | | | FM Narrow | | None | 0.7.0 | ~~ | | | ~ | | | Scan | | Off | 1 | |
| 20 | 155.63750 | VIO | | | FM Narrow | | None | CTC | SS | | | Sigr | nal Coc | de | Scan | | Off | 1 | |
| 21 | 155.65000 | 155.65000 | | Simplex | FM Narrow | | None | D., (| TOOO | | | 0 | | | Scan | | Off | 1 | |
| 22 | 155.66250 | 155.66200 | | Simplex | FM Narrow | | None | KX (| TCSS | | | Con | nment | | Scan | | Off | 1 | |
| 23 | 155.67500 | 155,6 500 | | Simplex | FM Narrow | | None | | 07.0 HZ | 07.0 HZ | 23 | 23 | DUITIN | ngn | Scan | | Off | 1 | |
| 24 | 155.68750 | 155 68750 | | Simplex | FM Narrow | | None | | 67.0 Hz | 67.0 Hz | 23 | 23 | Both N | High | Scan | | Off | 1 | |
| . . | Memor | ies VFO | | | | | | | | | | | | | • | | | | · · · · · · · · · · · · · · · · · · · |
| eady | | | | | | | | | | | | | | | | | | | CAP NUM SCRL |
| auy | | | | | | | | | | | _ | | | | | | | | CAP NOM SCR |

The BAO-8HX 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-8HX 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-8HX Programming Software Memory Types

| | UV-8X Programmer | - UV-8HX Sample.UV8X | - 🗆 🗙 |
|---|--|--|--------------|
| File Edit Communications Settings Window Help | | | |
| □ □ □ □ ↓ □ ↓ ↓ ♀ ↓ ↓ ↓ ↓ ↓ ♀ ↓ ↓ ↓ ↓ ♀ ↓ ↓ ↓ ↓ ♀ | | | |
| Receive Transmit Offset Offset Operating | etece Bx pec Bx | DCS Tx Step PTT ID Signal Comment | 4 |
| Frequency Frequency Frequency Direction Mode | CTCSS Rx CTCSS DCS Rx DCS 67.0 Hz 67.0 Hz 23 23 23 | Polarity Power Step FITTO Code Comment | |
| B 155.55000 153.55000 Simplex FM None | | 2 Off 1 | |
| | 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 | |
| | | | |
| | | | |
| I → → Memories VF0 | | | |
| Ready | | | CAP NUM SCRL |
| | | | Con Nom Sere |

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-8HX Programming Software Radio Option Setting Screens

| | | Menu Settings for UV-8X - Untit | ed.rsf | X |
|--|--------------------------|-------------------------------------|-------------|---|
| <u>File Tabs H</u> elp | | | | |
| Common | | | | |
| Auto Lock | Battery Save | Scan Resume | DTMF Encode | |
| ☑ Beep | 1:3 🗸 | Time 🗸 | 1 20202 | DTMF-ST |
| Busy Channel Lockout | Backlight (ABR) | Squelch Level | 2 11111 | |
| Menu in Channel Mode FM Radio Enabled | 5 seconds 🗸 🗸 | 3 🗸 | 3 22222 | DTMF Speed |
| 🗌 Key Lock | Px Backlight | Time Out Timer | 4 33333 | |
| Dual Watch Enable | Blue 🗸 | 60 secs v Tx Dual Watch Off v | 5 44444 | On Time 80 ms 🗸 |
| Reset Enabled | Tx Backlight Orange ✓ | | 6 55555 | |
| PTT Sync VFO Enable | | | 7 66666 | Off Time |
| Welcome Baofeng | Wait Backlight | Tail Tone | 8 77777 | 80 ms V |
| Message Welcome | Purple 🗸 | On 🗸 | 9 88888 | |
| A Band Display Mode | Power On Message | Tail Tone (Repeater) | 10 99999 | |
| Channel+Frequency V | Welcome v | 5 ~ | 11 12121 | ANHD |
| B Band Display Mode | PTTID | Tail Tone Delay | 12 34343 | |
| Channel+Frequency v | Off 🗸 🗸 | Off 🗸 | 13 56565 | ☐ Press PTT to Send ✓ Release PTT To Send |
| Alarm Mode 🗹 Sound | PTT Delay | Voice | 14 78787 | |
| Site v | 5 🗸 | English 🗸 | 15 30303 | Number 80808 |
| Number of 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-8HX Programming Software **Preferences**

| Preferences | | | | | | | | | |
|--------------|---------------------|------|------------------|------------------------|-------------|------|---|-------|---|
| Grid Display | Memory Defaults | Font | Other |] | | | | | |
| Freeze 1 | | | | Mark the colum | ins to hide | е. | | | |
| Freeze | 1 | | | Column | H | Hide | - | | |
| | | | Transr | mit Frequency | | | | | |
| Alt | ernate row | | | Frequency | | | | | |
| | I Row1 | | | Direction | | | | | |
| | 2 Row 2 | , j | Name | | | | | | |
| | 3 Row 3 | | Tone I | | | | | | |
| | A Row 4 | | CTCS | | | | | | |
| | Fore Back | | | CSS | | | | | |
| | | | | | | | | | |
| | | | Tx Pov Bueval | Wer Channel Lockout | | | | | |
| | ombo for Check box | | Skip | | | | | | |
| | Shibe for check box | | Clock | Shift | | | | | |
| l lanau | | | Battery | / Save | | | | | |
| Langua | - | | Comm | | | | | | |
| Englis | n 🔻 | | | | | | | | |
| | | l | | | | | - | | |
| 1 ° | | | | | | | | | |
| | | | | ОК | Ca | ncel | | 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 columns according to the Tone Mode | 1.25m | 1.60 MHz | • |
| selection. | 70cm | 5.00 MHz | • |
| Add and Remove Offsets | w then click | | |
| Offset | | | |
| 2 500 kHz Remove | | | |
| 3 600 kHz 4 1.00 MHz To add an offset double click "END OF | UST " | | |
| | LIGT. | | - |
| | | | |
| | 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.