Chirp

Complete Reset of BoaFeng BF-F8HP

☐ Step 1. Turn radio on.
☐ Step 2. Push menu button down.
☐ Step 3. Push down arrow until you get to the reset screen.
☐ Step 4. Push menu button down twice.
☐ Step 5. Use arrows to select "All".
☐ Step 6. Push menu button down to reset all.
☐ Step 7. Turn radio off then on. It should be speaking in Chinese.
☐ Step 8. Push menu button down.
☐ Step 9. Push up arrow until you get to the language screen.
☐ Step 10. Push menu button down.
☐ Step 11. Push down arrow to select English "ENG".
☐ Step 12. Push menu button down to confirm.
☐ Step 13. Push exit button to exit the menu.

Connecting To Radio

☐ Step 1. Start Chirp
☐ Step 2. Turn radio off.
☐ Step 3. Connect cable to DATA jack plug all the way in.
☐ Step 4. Put USB into computer slot.
☐ Step 5. Turn radio on. You can now interact with Chirp.

Programming A Repeater

☐ Step 1. Get information about the repeater you want to add: Downlink Frequency, Uplink frequency, offset, and uplink tone.
☐ Step 2. Enter frequency mode on Baofeng by pushing VFO/MR button. Make certain the topline on the Baofeng has the arrow. Switch between the two lines using the A/B button.
☐ Step 3. At the top line, type in the downlink frequency of the repeater. Do this by typing in using the keypad.
☐ Step 4. Press menu button and use up arrow button to scroll to OFFSET. Press menu button and type in the offset. Press menu button to accept the offset.
☐ Step 5. Press menu button and go to menu item 95 SFT-D. Press menu button and use up arrow key to scroll thru to the + or – offset direction. Press menu button to accept the offset direction.
☐ Step 6. Press menu button and use up arrow key to go to menu MEM-CH. Press menu button to change the memory channel. Then enter the memory channel number using the keypad. Press menu to accept the memory channel.

☐ Step 7. Press exit to go back to the frequencies. Enter the transmit frequency using the keypad. Press menu button to accept the transmit frequency.

☐ Step 8. Press menu button and use down arrow to go to menu item 13 T-CTCS. Press menu button to change the uplink tone. Type in the tone using the keypad. Press menu button to accept the uplink tone frequency.

☐ Step 9. Press menu button and use arrows to go to "MEM-CH" at the same memory channel used earlier to save the uplink tone frequency. Press menu button to save the uplink tone frequency to memory.

☐ Step 10. Press VFO/MR to change to frequency mode and you can use the saved channel to address the repeater.

Tone Mode

This sets the mode used to transmit or receive squelch tones (or related selective calling technologies). The following explains what the options means:

- (None): No tone or code is transmitted, receive squelch is open or carrier-triggered.
- Tone: A single CTCSS tone is transmitted, receive squelch is open or carrier-triggered. The tone used is that which is set in the Tonecolumn.
- TSQL: A single CTCSS tone is transmitted, receive squelch is tone-coded to the same tone. The tone used is that which is set in the ToneSqlcolumn.
- DTCS: A single DTCS/DCS code is transmitted, receive squelch is digitally tone-coded to the same code. The code used is that which is set in the DTCS Code column.
- Cross: A complex arrangement of squelch technologies is in use. See the definition of the Cross Mode column for details.

Name

Used for setting an optional alpha tag up to 7 characters.

- Alpha characters: A B C D E F G H I J K L M N O P Q R S T U V W X Y Z
- Numeric digits: 0 1 2 3 4 5 6 7 8 9
- Special characters: ! @ # $ % ^ & * ( ) + - = [ ] < > ? , . /

Tone

Sets the receive (and sometimes transmit) CTCSS frequency. Only used when enabled by other options [UV-5R bug: receive tone frequencies of 136.5 Hz and lower will always be skipped when scanning regardless of the Skip setting].

DTCS Code

Sets the transmit DCS code. Only used when enabled by other options.

DTCS Rx Code

Sets the receive (and sometimes transmit) DCS code. Only used when enabled by other options.

DTCS Pol

Sets the DCS code polarity. Only used when enabled by other options.

- NN Transmit normal/Receive normal
- RN Transmit reversed/Receive normal
- NR Transmit normal/Receive reversed
- RR Transmit reversed/Receive reversed

Cross Mode

Used for setting squelch using carrier squelch and/or CTCSS (aka PL) and/or DTS (aka DPL). Only used when enabled by other options.

- Tone->Tone The radio will use CTCSS for transmit and a different CTCSS for receive
- Tone->DTCS The radio will use CTCSS for transmit and DCS for
- DTCS->Tone The radio will use DCS for transmit and CTCSS for receive
- ->Tone The radio will not transmit CTCSS or DCS but will enable CTCSS for receive
- ->DTCS The radio will not transmit CTCSS or DCS but will enable DCS for receive
- DTCS-> The radio will use DCS for transmit. In this mode, the receiver is carrier squelch
- DTCS->DTCS The radio will use DCS for transmit and a different DCS for receive

Duplex

Used for determining the transmit (TX) frequency.

- (none) Simplex. Sets the transmit frequency to the same value as the receive frequency (aka simplex)
- - Sets the transmit frequency lower than the receive frequency by the Offset amount (aka - duplex)
- + Sets the transmit frequency higher than the receive frequency by the Offset amount (aka + duplex)
- split Sets the transmit frequency to the value in Offset (same value range as the receive frequency)
- off Receive only (transmit inhibited).

Offset

Used for setting the transmit frequency difference (offset) from the receive frequency. When Duplex is set to 'split' this value is the actual transmit frequency

Mode

Sets the transmitter deviation and receiver IF bandwidth

- FM – 5KHz deviation (for Part 97 - Amateur Radio Service)
- NFM – 2.5KHz deviation (for Part 90 - Private Land Mobile Radio Services)

Power

Sets the transmit output power level

- High – 4 watts
- Low – 1 watt

Skip

Sets the channel scan lockout

- Scan channel in scanning mode
- S – Skip (lockout) channel in scanning mode