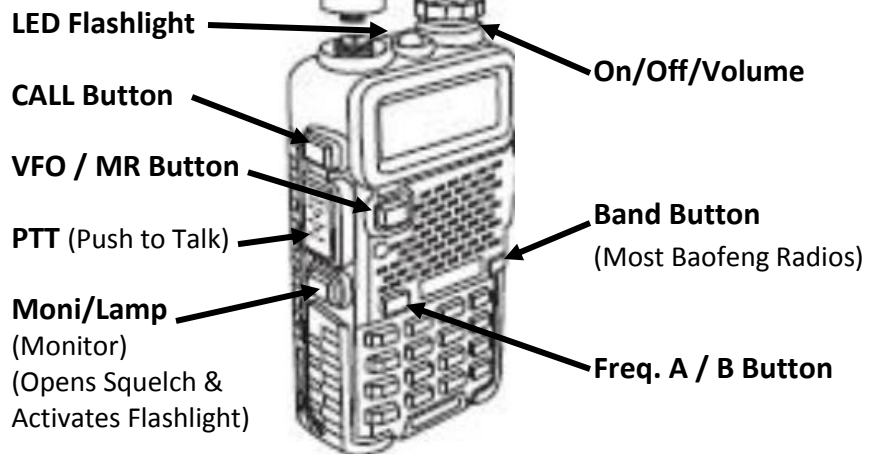


## BAOFENG



Key Pad



Baofeng Quick Reference Guide by Rich Bugarin W6EC

**Functions:** Most keys on key pad have 2 functions, Primary Function (PRESS KEY), Secondary Function (PRESS & HOLD KEY).

**Basic Operation:** The VFO / MR Button toggles basic operation between VFO = Variable Frequency Operation mode (Frequency Mode) and MR = Memory mode (Channel Mode). From VFO mode press the VFO / MR key once to enter memory channel mode, from memory mode press VFO / MR once to enter VFO Frequency mode.

**A/B Frequency:** This is a dual band radio that will display two frequencies but monitor only one at a time. To Monitor or transmit you must first select which of the two displayed frequencies you wish to use by using the A/B key.

**Menu Mode:** There are 41 Items in the settings mode (0-40) that may be used to alter the radio operation. Press the [MENU] button to enter the menu next use the [UP] and [DOWN] to navigate between menu items (or key in menu number). Once the desired menu item is found, press [MENU] again to select that menu item. Use the [UP] and [DOWN] to navigate within menu until desired function is highlighted. Press [MENU] to lock in new setting press [EXIT] key to exit Menu mode.

### Useful Menu Settings:

**0 SQU** Adjusts Squelch level from 1 to 9 (try 1 or 2).

**1 STEP** Changes manual tuning setup.


**2 TXP** Changes transmit power.

**8 BEEP** turns Keypad Beep Sound on/off

**14 VOICE** turns Voice Prompt on/off

**21 MDF-A** Switch's "A" display to Freq./CH #/Name

**22 MDF-B** Switch's "B" display to Freq./CH #/Name

**Key Pad Lock:** To lock keys press and hold the  (#) (Lock) button. To unlock repeat same key sequence.

**Transmitter Time-Out Timer (TOT)** The radio can be set to automatically stop transmitting after a set period of time (Disables transmission if PTT key is stuck on). Use Menu Mode 9 to change time setting (0=15 sec. 1=30 sec each additional number adds another 15 Seconds) Default is 60 sec (3).

**Memory Tuning: AKA channel tuning.** If memory is already programmed select MR mode as previously described. You may scroll up or down to select desired memory. You may select different memory channels on "A" or "B" and use A/B key to toggle between them. Only one channel can be monitored at a time.

**Manual Tuning:** To manually tune radio, put radio into VFO mode as previously described. (Select Band "A" if you plan to save Manual tune to Memory) Key in desired frequency using numbered key pad until desired frequency is displayed. You may select different VFO Frequencies on "A" and "B" and use A/B key to toggle between them. Only one frequency can be monitored at a time.

**Changing Step:** The step changes how much the frequency will jump by each time you press up/down arrows or scan. Menu Item #1 changes the step. If you wish to increment by 10 KHz each time, When menu #1 select #3 for the 10 KHZ setting.

**Scanning:** Press and hold the [\* SCAN] key for about two seconds. Press any key to exit scanning mode. The scanner can be configured to pause/advance one of three ways: Time, carrier or search. Menu Setting 18 changes Scan configuration. (Factory setting is "Time")

**Dual Watch:** is a two-channel scanning system which allows you to operate on a frequency/Channel (A) while periodically checking a second (Channel B). Menu Setting 7 (TDR) turns on/off Dual Watch.

**Weather Broadcast Channels:** There are no preprogrammed weather channels. For Sacramento area tune to 162.400 or 162.550MHz.

**Programming Memories:** This is awkward to do manually through the radio. I suggest you program it with computer software.

**Manual procedure for Simplex:** Start with the display set to "A" using A/B Key (you cannot use display "B" for programming). Place radio into VFO mode using VFO/MR Key. Key in your desired receive frequency using the numerical keypad. We will use the menu item # 27 to save it to memory. Enter into menu item # 27 (MEM-CH), press "Menu" key use the [UP] and [DOWN] arrows to select the memory channel number you wish to program. Press "Menu" to confirm press "Exit" to exit.

**Manual procedure for Duplex:** Start with the display set to "A" using A/B Key (you cannot use display "B" for programming). Place radio into VFO mode using VFO/MR Key. Key in your desired receive frequency using the numerical keypad. We will use the menu item #13 to set CTCSS tone. Press "Menu" key use the [UP] and [DOWN] arrows to select the desired CTCSS Tone. Press "Menu" to confirm press "Exit" to exit. We will use the menu item #25 to select Negative or Positive offset. Enter menu 25, then press "menu" key use the [UP] and [DOWN] arrows to select the desired offset. Press "Menu" to confirm press "Exit" to exit. We will use the menu item #26 to select amount of offset. Enter menu 26, then press "menu" use key pad to key in desired frequency shift. For VHF Ham repeaters use 00.600MHz and for UHF Ham repeaters use 05.000MHz. Press "Menu" to confirm press "Exit" to exit. Now save this as the receive frequency (Repeater output) Enter into menu item # 27 (MEM-CH), press "Menu" key use the [UP] and [DOWN] arrows to select the memory channel number you wish to program. Press "Menu" to confirm press "Exit" to exit. Next key in the Transmit frequency (Repeater Input) onto your "A" display. **Now save that to the same memory channel** you just used previously, using menu item # 27. If this fails Just ask Rich to program it with his computer.

**Reserve memory channel #1 for the frequency you wish as your "Priority Memory Channel".**

(Some suggested Priority Memory Channel's for Hi-Landers Club members are):

146.565 MHz (Poker Run Simplex)

462.5675 MHz (FRS Chanel 2 Basecamp)

444.9875 MHz + Offset 107.2 tone (Rubicon Repeater)

146.805 MHz Neg. Offset 123 tone (Pollack Pines Rpt.)

**LED Flashlight:** Momentarily press the MONI key the LED will turn on. Momentarily press the MONI key again and the LED will flash. A third momentarily press of the MONI key will turn the LED off.

**Trouble Shooting:**

**None of keys work.** Likely problem Key Pad may be locked. (See page #1 to unlock keys)

**You as the licensed control operator are responsible for the compliance of all FCC rules of operation, including use of proper bands, power and proper identification.**