

Baofeng Cheat Sheet

(<https://amazon.com/dp/B072HXQ5GG/?tag=w7apk-20>)

The **Baofeng UV-5R** (<https://amazon.com/dp/B072HXQ5GG/?tag=w7apk-20>) is a great cheap little radio, but it's notoriously difficult to use, with poor documentation. Here are some tips and resources I've found to help me use them.

Baofeng UV-5R on Amazon (<https://amazon.com/dp/B072HXQ5GG/?tag=w7apk-20>)



Accessories

I've found the following accessories to be useful. These are my recommended brands. Some similar/cheaper things didn't work.

- **Baofeng USB Programming Cable** (<https://amazon.com/dp/B00HUB0ONK/?tag=w7apk-20>)
- **Reverse SMA Antenna** (<https://amazon.com/dp/B00M9LPHBA/?tag=w7apk-20>) - give your Baofeng superpowers with a better antenna
- **1/8" to Baofeng Connector** (<https://amazon.com/dp/B01LMIBAZW/?tag=w7apk-20>) - connects the radio to an iPhone/Android

Menu Reference

Note: This guide was originally written for the Baofeng UV-5R, but may work on other models as well. So far this has been confirmed to work on the following models. If you have a different model that you've been able to use with this cheat sheet, please [let me know](#) (/contact) !

- Baofeng BF-F8HP

Commonly Used Menu Items

0	SQL	RF Squelch
2	TXP	Transmit power (Tap # to temporarily change power)
11	R-CTCS	Receive CTCSS (PL)
13	T-CTCS	Transmit CTCSS (PL)
25	SFT-D	Repeater Shift Direction
26	OFFEST	Repeater Offset (MHz)
27	MEM-CH	Save to memory channel
28	DEL-CH	Delete memory channel

WTF Menu Items

7	TDR	Dual watch (monitor A and B at same time). May change the transmit side – be careful with TDR-AB setting*
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34	TDR-AB	Side for transmit after receiving a signal when TDR is on
9	TOT	Limit transmission time to xx seconds
14	VOICE	Voice confirmation of keypresses/menu selections. Choice of English, Chinese, or OFF
15	ANI-ID	A coded signal that is sent when an "alarm" is activated. You probably don't need this.
17	S-CODE	Sends a DTMF code on transmit/end of transmit
19	PTT-ID	Activates the DTMF code on transmit/end of transmit. Best left OFF.
20	PTT-LT	Delay before sending PTT-ID
23	BCL	Busy channel lockout – prevents transmitting when a channel is busy. (What is "busy"?)
32	AL-MOD	Alarm mode.
35	STE	Squelch Tail Elimination – squelches tail noise in simplex.
36	RP-STE	Squelch Tail Elimination Repeater – squelches tail noise from a repeater (i.e., the courtesy tone)
37	RPT-RL	Squelch Tail Delay.
39	ROGER	Sends an end-of-transmission tone after PTT release. Turn this OFF or you'll annoy people quick.
40	RESET	Resets all settings and erases memories.

Based on a PDF from Jon Perelstein WB2RYV

Programming Guide

Here is a great [guide to how to manually program the Baofeng UV-5R \(http://www.buytwowayradios.com/blog/2016/08/how_to_manually_program_the_baofeng_uv-5r_from_the_keypad.aspx\)](http://www.buytwowayradios.com/blog/2016/08/how_to_manually_program_the_baofeng_uv-5r_from_the_keypad.aspx), copied below.

How to manually program a simplex channel

- **Step 1. Press [VFO/MR] and enter *Frequency Mode*.**
- **Step 2. Press [A/B] and choose the *A Side* (upper display).**
The A side must be used to program channels into the radio. Programming data entered on the B Side (lower display) will not be saved.
- **Step 3. Press [BAND] for the frequency band.**
Toggle [BAND] to choose 136 MHz (VHF) or 470 MHz (UHF).
If the incorrect band is chosen for the frequency entered in Step 5, the radio will cancel the operation.
- **Step 4. Disable TDR (*Dual Watch/Dual Standby*).**
Press [MENU] 7 [MENU] [press up/down arrow keys] OFF [MENU] [EXIT]
It is highly advised to turn TDR off when programming directly from the radio.
- **Step 5. Enter the frequency.**
Use the keypad to enter the frequency into the radio.
- **Step 6. optional - Enter the transmit CTCSS/DCS code.**
 - CTCSS - [MENU] 13 [MENU] [enter/choose code XXXX] [MENU] [EXIT]
 - DCS - [MENU] 12 [MENU] [choose code XXXXX] [MENU] [EXIT]
- **Step 7. Assign the frequency to a channel.**

[MENU] 27 [MENU] [enter channel number XXX] [MENU] [EXIT]

How to manually program a repeater channel

- **Step 1. Press [VFO/MR] and enter *Frequency Mode*.**
- **Step 2. Press [A/B] and choose the *A Side* (upper display).**
Like the simplex channels, the A side must be used to program the repeater channels into the radio. Programming data entered on the B Side (lower display) will not be saved.
- **Step 3. Press [BAND] for the frequency band**
Toggle [BAND] to choose 136 MHz (VHF) or 470 MHz (UHF).
If the incorrect band is chosen for the frequency entered in Step 6, the radio will cancel the operation.
- **Step 4. *optional* - Clear any CTCSS/DCS codes previously assigned to the channel.**
If no previous codes exist or when setting up the channel for the first time and no codes are needed, set the menu items listed below to **OFF**.
 - *RX DCS* - [MENU] 10 [MENU] [enter 0 (OFF)] [MENU] [EXIT]
 - *RX CTCSS* - [MENU] 11 [MENU] [enter 0 (OFF)] [MENU] [EXIT]
 - *TX DCS* - [MENU] 12 [MENU] [enter 0 (OFF)] [MENU] [EXIT]
 - *TX CTCSS* - [MENU] 13 [MENU] [enter 0 (OFF)] [MENU] [EXIT]
- **Step 5. Disable TDR (*DualWatch/Dual Standby*).**
Press [MENU] 7 [MENU] [press up/down arrow keys] OFF [MENU] [EXIT]
It is highly advised to turn TDR off when programming directly from the radio.
- **Step 6. *optional* - Delete any existing data on the channel to program.**
Skip this step when setting up the channel for the first time. Press [MENU] 28 [press up/down arrow keys to choose channel number] [MENU] [EXIT]
It is highly advised to turn TDR off when programming directly from the radio.
- **Step 7. Enter the frequency.**
Use the keypad to enter the frequency into the radio.
- **Step 8. Input the repeater frequency offset.**
Press [MENU] 26 [MENU] [enter the offset for 2 meter or 70 cm repeater] [MENU] [EXIT]
- **Step 9. Enter the Transmit Frequency Shift.**
Press [MENU] 25 [MENU] [enter 1 for positive shift or 2 for negative shift] [MENU][EXIT]
- **Step 10. *optional* - Enter the transmit CTCSS/DCS code.**
 - *CTCSS* - [MENU] 13 [MENU] [enter/choose code XXXX] [MENU] [EXIT]
 - *DCS* - [MENU] 12 [MENU] [choose code XXXXX] [MENU] [EXIT]
- **Step 11. Enter the repeater output frequency.**
Use the keypad to enter the frequency into the radio.
- **Step 12. Assign the receive frequency to the same channel in Step 6.**
[MENU] 27 [MENU] [enter channel number XXX] [MENU] [EXIT]
- **Step 13. Press the [*Scan] button to activate *Reverse Mode* and display the transmit frequency.**
- **Step 14. Assign the transmit frequency to the channel.**
Press [MENU] 27 [MENU] [enter the same memory channel in step 27] [MENU] [EXIT]
- **Step 15. Press the [*Scan] button to exit .**

More Links

- [Baofeng cheat sheet \(http://www.multnomahares.org/wp-content/uploads/2015/04/BAOFENG-UV-5R-MJS-2.pdf\)](http://www.multnomahares.org/wp-content/uploads/2015/04/BAOFENG-UV-5R-MJS-2.pdf)