



# Baofeng UV-5R (or Variant) Display Menu

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**To go Directly to CHL #**  
**Enter 0s First if (< than 100)**  
**001 - 009, & 010 - 099**

Change Power Temporarily by short push on **1**  Keypad Button If too long, will lock keypad

**2** **+ -** Indicates Different Transmit Frequency is Programmed on CHL, This Indicates CHL # is a Repeater

**3** **R** Reverses Repeater Transmit & Receiver Frequencies **LEAVE OFF UNLESS YOU UNDERSTAND** Indicates You didn't hold  down long enough to hear *Scanning Begin* when selecting Scan: To Fix -- Turn radio off and back On

**5** **S** = Dual Watch Option is On Transmissions **Received** on Both Upper & Lower Lines or (Banks) This Occurs when Menu Option # **7** (TDR) is Set to **ON**. Leave **OFF** Unless you Fully Understand **Creates problems for novice users**

**17** Signal Strength Meter

**4** **N** = **Narrow Band** Mode, Normally used for Comm/Public & Gov Channelized Radio Frequencies

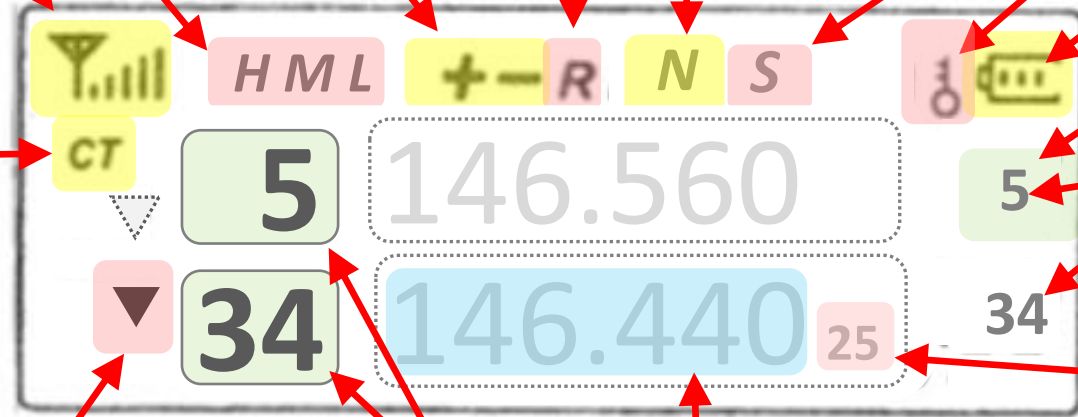
**7** Indicates Keypad Lock is ON


**8** Battery Meter

Indicates a Sub-Audible **CTCSS** Tone Programmed on CHL **Receive** Frequency is Different than **Transmit** Frequency **Best not to Use CTCSS tones on Receive Freqs**

**9** If in **Menu Mode** this becomes **Menu Option #** Otherwise its the **CHL #**

Always same as **CHL #** on Left Side of Screen



**15** **A/B** Bank Button Determines Active Bank, In In this case the  Icon Indicates the Bottom Bank is the **Active** CHL or Freq

**14** These are **CHL** Numbers displayed as Names, It is Not Possible to View (**CHL # or Name**) & **Frequency** at the Same Time on Same Bank


**13** Freqs are **NOT** displayed in **CHL Mode** unless Menu Option #(**21** Top) & #(**22** Lower) Bank is Set to View **Freq** vs **Name** or **CHL** in **CHL Mode**

**VFO/MR** Radio Button **12** Switches Between **VFO (Freq) Mode** & **Memory Recall (CHL) Mode**

**11** Last 1 or 2 digits are shrunk if more than 6 digits in Freq are entered

Baofeng UV-5R 8W Menu Items Programmed to North ID Repeater Product, Ver 2.0, 2024-06-12			
Menu Number	Menu Abbv	Feature Explanation	Information on what each feature does and how it's programmed by North Idaho Repeater Product and other relevant information
0	SQL	Carrier Squelch Noise Reducer Feature	Change affects all CHLs/Freqs. Programmed to level 3, lower number means higher possibility of hearing distant transmissions but also higher noise level. 0 = Off
1	STEP	Frequency Step	Change affects all CHLs/Freqs. Might be necessary to change Freq Step to obtain a unique Freq not showing up during the (Freq) scanning mode
2	TXP	Temp Override of TXP Power Set By Chirp	High (H) Power can be temporarily changed on any CHL to M or L to save battery life or limit the range others can hear your transmission
3	SAVE	Battery Save Feature	Set 1:3 Optimizes battery life, limits hearing 1st words of transmission / standby mode
4	VOX	Voice Operated Transmit	Only used with headset mic, best left off unless you are transmitting all day long
5	WN	Wideband / Narrowband	Wideband (25 kHz) or narrowband (12.5 kHz) bandwidth.
6	ABR	Backlight Timeout	This is Maximum Possible 24 Seconds DO NOT ATTEMPT TO CHANGE without software Has been Programmed to Off. Might be practice to use if needed to
7	TDR	Dual Watch / Dual Reception	continuously monitor 2 priority channels instead of using scan mode that takes about 25 secs to scan all programmed North ID Repeater CHLs. Its easy to get confused about what channel to respond to if this feature is turned on
8	BEEP	Keypad Beep	Programmed On
9	TOT	Transmission Timer	Set to 120 secs, will stop transmission & require rekey of mike after 120 sec transmission
10	R-DCS	Receive Digital Coded Sql	Leave alone unless knowledgeable
11	R-CTCS	Receive ContTone Coded Sql	Only used if required to block other repeaters. Wrong code will block desired repeater
12	T-DCS	Trans Digital Coded Sql	Leave alone unless knowledgeable
13	T-CTCS	Trans Cont. Tone Coded Sql	Programmed to ensure access to Repeaters on North ID Repeater Map
14	VOICE	Menu Voice Prompt	Set to English
15	ANI-ID	Automatic Number ID	Programmed OFF, transmits way too much metadata over the air to others
16	DTMFST	DTMF Side Tones	Programmed OFF, transmits way too much metadata over the air to others
17	S-CODE	PTT-ID DTMF Code	Programmed OFF, transmits way too much metadata over the air to others
18	SC-REV	Scanning Resume Method	Programmed for CO, resumes scan after transmission or noise ends, TO stops scans for 10 Seconds, SE causes scan to stop and stay on CHL/Freq until restarted. NOTE: Only way to prevent stopping on Noise is to increase Squelch setting or use CHIRP to assign a (S) Skip option to continuously noisy channels
19	PTT-ID	When to Send PTT-ID	Programmed OFF, otherwise transmits too much metadata over the air to others
20	PTT-LT	PTT-ID Delay	Programmed OFF, otherwise transmits too much metadata over the air to others
21	MDF-A	[A] MR/CHL Mode Display	Changes View to Channel Numbers, Frequency or Name on Top line Radio Display
22	MDF-B	[B] MR/CHL Mode Display	Changes View to Channel Numbers, Frequency or Name on Bottom line Radio Display
23	BCL	Busy Channel Lock-Out	Set to Off, allows transmission over others on Freq (listen Carefully before transmitting)
24	AUTOLK	Automatic Keypad Lock	Set to Off, keypad locks if not used for 8 secs, hold #LOCK button for 3 secs to unlock
25	SFT-D	Direction Freq Shift	Only used to program new repeater difficult without using CHIRP software
26	OFFSET	Frequency Shift	Only used to program new repeater difficult without using CHIRP software
27	MEM-CH	Memory Channel Programing	Adds new Freq to Radio's CHL memory. Large CHL # are only possible with Software, This methods only provides small CHL# on right side of radio display
28	DEL-CH	Delete a Memory Channel	Can be used if you want to delete a programmed channel
29	WT-LED	Screen Color - Standby	Set to Orange as its the optimum color for brightness in daytime
30	RX-LED	Screen Color - Receive	Optional to change if desired
31	TX-LED	Screen Color - Transmit	Optional to change if desired
32	AL-MOD	Alarm for Orange Button	Programmed to Site Otherwise will transmit siren over Freq or Repeater Channel
33	BAND	Band Selection	Switches between VHF (144-148) & UHF (420-450) MHz in Freq Mode. Some Baofengs have BAND button on right-side radio. Band can be also be changed by manually changing the first digit of the Freq on display from 1 to 4 or 4 to 1.
34	TDR-AB	Dual Watch Priority	Only required if TDR option is turned on menu #7. Establishes which bank: top or bottom line will actively receive msg if two signals come in at once.
35	STE	Sql Tail Eliminate Transmit	Programmed to Off
36	RP-STE	Sql Tail Eliminate Repeater	Programmed to Off
37	RPT-RL	Delay Tail Tone Repeater	Programmed to Off
38	PONMSG	1 Second Power On Msg	Displays Repeater Map Version date to ensure radio memory data matches Map Product
39	ROGER	Transmitted Roger Beep	Programmed Off, as this feature irritates other users
40	RESET	Restore to Default Settings	<b>CAUTION</b> if you end up on this menu item & <b>SELECT MENU BUTTON 2 MORE TIMES</b> It will <b>WIPE ALL</b> programmed data on radio and reset voice prompt to Chinese. Instead select <b>EXT</b> Button on on Keypad to exit the menu mode

To Print: Set Top/Bottom Margin 0.25" Left/Right Margin 0.03"

Additional Items for Understanding Features of Baofeng Radios	
Button Acronyms VFO/MR A/B	VFO = Variable Freq Oscillator, MR = Memory Recall or Channel, A/B = Switches Active Channel between (A) Top & (B) Bottom Channel Banks on
To Select/Go directly to Programmed Channel	Enter 1 or 2 zeros before channel numbers less than 100. Example: Select 008 for CHL 8, and 088 for CHL 88 or use the scroll buttons to find a specific channel
Temporarily Hear Weak transmission	Push & Hold <b>MON</b> button below PTT button as long as you want to hear weak signal. This temp turns Squelch Off. <b>Note: Quick Tap turns on Radio Flashlight</b>
Baofeng Has (2) Banks or Lines that Display 2 Channels or 2 Frequencies	Baofeng Radios are capable of monitoring two different CHLs or Freqs at the same time if Menu item 7 (TDR) is turned on. This creates many problems because its difficult to determine what line Top or Bottom a received call came in on, thus causing user to frequently transmit on wrong Channel or Frequency
To Scan All Memory Channels or Frequencies 	Select either Freq or CHL mode then press and hold * SCAN Button until you hear the SCANNING BEGIN Prompt. You must select either VHF (144-148) or UHF (420-450) MHz Band to Scan in the Freq Mode). To stop Scan select any button on keypad. To restart if scan stuck on noise reselect Scan button. If Scan stops too long on noise increase Squelch level (Menu 0) until resolved
To Change Features In Menu Items (0-40)  Note: Squelch # is 0 First Item Displayed When Menu Opened	Select <b>MENU</b> Button on keypad, within 10 secs enter menu # (0 for Sql) from keypad or use scroll buttons. To change menu Item: Within 10 seconds select Menu Button again, use scroll buttons to select new option from list. Within 10 seconds select Menu Button a third time to input change into memory. You should hear a <u>CONFIRM</u> Prompt identifying desired change has been made
Baofeng UV-5R BF-F8HP  <b>CAPABILITIES BEYOND HAM RADIO FREQUENCIES</b>	These (5 - 8 Watt) Baofengs are (Freq Modulated <b>FM</b> ) radios that operate on 2 seperate Ham Bands, <b>2 Meter (VHF)</b> (144 to 148 MHz) and <b>70cm (UHF)</b> (420 to 450 Mhz) Bands. Most Baofengs come from factory with capabilities well outside these Freqs limits, hence they can operate on many other FM Bands like GMRS/FRS (half to 2 watt radios) Walmart type, Marine Band, MURS, as well as other Commercial, Public Service and Gov FM Band radios. The North Idaho Repeater Map product includes many additional Freqs outside of Ham Bands that would be valuable during Emerg or Grid Down situations. Some of these Freqs have been programmed to transmit as well as receive, others like local Public Service Repeaters are only configured for receiving the Repeater Freqs because transmitting on on them could get unauthorized user in trouble.
Baofeng UV-5R BF-F8HP  <b>RANGE LIMITATIONS</b>	Baofengs are only capable of Line-of-Sight communications unless using a repeater. This limits ( <b>handheld radio -to- handheld radio</b> ) communication to maximum of 7 miles (due to curvature of earth) when using the best attached antenna & about 15 miles if both parties are using 14 Ft roll up J-Pole antenna hung on a tree or side of a house. Generally distances will be much less than those described above due to environmental reasons. Ranges can exceed 50 miles if using a Repeater depending on elevation of the repeater and type of antenna on your Baofeng and other radio. Its possible to talk from Canadian Border to Spokane Airport when two Baofeng radios are connected to two separate but Grouped (connected) Repeaters that are part of North Idaho Repeater Group. Antenna height & quality is critical to range of Baofengs
North Idaho Repeater Map and Spreadsheet of Freq Data	Repeaters on NID Repeater Map have been validated & Freq, Offset, Tone data is depicted in spreadsheet format to ensure data integrity. Repeaters have been assigned an arbitrary CHL number not used by other organizations and are linked to a visual depiction of their approximate location on a colored map on reverse the side of the spreadsheet product. Repeaters on map are Yellow Diamonds unless they are part of a Repeater Group, then they are (colored coded Red or Gold). Black Diamonds depict GMRS Repeaters for use in an emergency situation. A cell phone Google Earth App product is available by request at <a href="mailto:nid2m70cm@gmail.com">nid2m70cm@gmail.com</a>