

## Channel Programming on a Baofeng Radio

The basic process for programming a Baofeng UV-5R is to set the frequency, offset, and tone while in VFO mode and then to save the configuration in to a channel. Repeaters need an extra save step to work properly. The menu options vary slightly with different models, the principles are the same.

### Simplex

1. Make sure you are in VFO (frequency) mode:
  - a. If you see small channel numbers under the battery indicator, you are in memory mode. Press [VFO/MR] if you are in memory mode.
2. Type in the frequency that you want to save.
3. Save the frequency to memory:
  - a. Press [MENU] to enter the radio menu.
  - b. Press [2][7] to go to "MEM-CH". This is the option for saving new memory channels.
  - c. Press [MENU] to enter the "MEM-CH" menu. Use the up and down arrow to select an empty channel to save to.

**Note:** Some channels will appear like this "CH-###" where "###" is the channel number. This means the channel is already used. If the channel appears as only a number without "CH-" ("###") then it is empty.

- d. Press [MENU] to save the frequency. The channel should go from "###" to "CH-###". Press [EXIT] to go to the main screen.

### Repeater

1. Make sure you are in VFO mode:
  - a. If you see small channel numbers under the battery indicator, you are in memory mode. Press [VFO/MR] if you are in memory mode.
2. Type in the **repeater transmit** frequency that you want to save.
3. Set the offset direction:
  - a. Press [MENU] to enter the radio menu.
  - b. Press [2][5] to go to "SFT-D". This option sets the offset direction.
  - c. Press [MENU] to enter the "SFT-D" menu.
  - d. Use the up and down arrows to select the offset direction: "-" for negative, "+" for positive or "OFF" for none.
  - e. Press [MENU] to save and [EXIT] to return to the main screen.

4. Set the offset amount:
  - a. Press [MENU] to enter the radio menu.
  - b. Press [2][6] to go to "OFFSET". This option sets the offset amount.
  - c. Press [MENU] to enter the "OFFSET".
  - d. Use the number pad to select offset amount.
  - e. Press [MENU] to save and [EXIT] to return to the main screen.
5. Set the transmit tone:
  - a. Press [MENU] to enter the radio menu.
  - b. Press [1][3] to go to "T-CTCS". This option sets the transmit tone.
  - c. Press [MENU] to edit the option.
  - d. Use the number pad or the up and down arrows to select the right transmit tone.
  - e. Press [MENU] to save and [EXIT] to return to the main screen.
6. Save the frequency to memory:
  - a. Press [MENU] to enter the radio menu.
  - b. Press [2][7] to go to "MEM-CH". This is the option for saving new memory channels.
  - c. Press [MENU] to enter the "MEM-CH" menu.
  - d. Use the up and down arrow to select an empty channel to save to. (See "Note" from the Simplex section for identifying empty channels.)
  - e. Press [MENU] to save the frequency. The channel should go from "###" to "CH-###". Press [EXIT] to go to the main screen.
7. Re-save the frequency to make it a repeater frequency:
  - a. Press [EXIT] to exit the menu and return to the normal screen.
  - b. Press the [\* SCAN] button to view the repeater receive frequency. An "R" should appear at the top of the screen.
  - c. Repeat step 6 and re-save to **the same channel**. This ensures the radio remembers both the receive and transmit frequencies.