

From the website

https://www.buytwowayradios.com/blog/2016/08/how_to_manually_program_the_baofeng_uv-5r_from_the_keypad.html

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 repeater output (your receiving) 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. Assign the receive frequency entered in Step 7 to the channel.**
[MENU] 27 [MENU] [enter channel number XXX] [MENU] [EXIT]
- **Step 12. Press the [*Scan] button to activate *Reverse Mode* and display the transmit frequency.**
- **Step 13. Assign the transmit frequency to the channel.**
Press [MENU] 27 [MENU] [enter the same memory channel entered in step 12] [MENU] [EXIT]
- **Step 14. Press the [*Scan] button to exit *Reverse Mode*.**

To add more channels, simply repeat the steps above. If these step-by-step instructions are followed correctly, you should be able to program all 128 channels (000-127) in your Baofeng UV-5R as you need.