

**Key Concepts**

- **ALWAYS** place the radio in “frequency mode” by toggling the orange [VFO/MR] button
- **ALWAYS** set receive and transmit frequency on the top or A line by toggling the blue [A/B] button
- **ALWAYS** delete a channel’s content before storing new content
- Receive and Transmit frequencies are stored in **two separate** operations
- **REMEMBER** to toggle back to “channel mode” to test programming.

**User Interface**

The menu system is entered via the [MENU] button, and exited via the [EXIT] button. While in the menu system, the different menu **items** can be selected by entering the item number, e.g. 13 for T-CTSS **or** using the [▲] and [▼] keys to scroll between menu items. When the desired menu item is displayed on the top line, the value can be modified by pressing [MENU] a **second** time. The voice prompt will announce the choice and the cursor will indicate that the bottom line is active This allows **entering a value directly** using the numeric key **or** using the [▲] [▼] keys to scroll between values. After the desired value has been entered/selected, press [MENU] a **third** time to hear the voice prompt {confirm} . If an error is made, you can cancel by pressing the [EXIT] button.

**Transmit and Receive Frequencies**

Repeaters typically specify **their** transit frequency and (receive) offset. VHF (2 m) repeaters typically have an offset of 0.600 MHz, UHF repeaters (70 cm) typically have a an offset of 5.000 MHz. Offset is either added (positive offset) to or subtracted from (negative offset) the repeater transmit (or Baofeng receive) frequency, depending on the repeater’s transmit frequency and local convention.

**Essential Menu Items**

The BaoFeng has 41 menu items/functions/tasks, only 3 of which are essential

Menu Item	Menu Name	Description
13	T-CTCS	Transmit – Continuous Tone Coded Squelch System
27	MEM-CH	Store a (receive/transmit) frequency to a Memory Channel
28	DEL-CH	Delete both receive and transmit frequencies from a Memory Channel

**Repeater Example**

You want to program a repeater on “147.160 MHz, +0.6 MHz offset, 146.2 Hz tone” into channel 21. The receive frequency is 147.160 MHz, while the transmit frequency will be 147.760 MHz.

- Enter Receiving Frequency on top line, omitting decimal point: 147160
- Delete channel 21: [MENU] 28 [MENU] {delete channel} 021 [MENU] {confirm}
- Set Transmit CTCSS tone: 13 [MENU] {ctcss} [▲] [▼] [MENU] {confirm}
- Set Receiving Frequency: 27 [MENU] {memory channel} 021 [MENU] {receiving memory}[EXIT]
- Enter Transmit Frequency on top line, omitting decimal point: 147760
- Set Transmit Frequency: [MENU] 27 [MENU] {memory channel} [MENU] {transmitting memory} [EXIT]