Baofeng UV5R Programming for NCARC repeater use.

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If your radio has stopped working on the NCARC repeaters following changes in the CTCSS tones, you can re-program it via the keypad. To do this, prepare for a fair amount of button pushing, and follow these steps. To ensure everything is correct, we will delete and re-program the memory of the channel you need to set up.

One caution: If you pause longer than about 9 seconds during any step that involves pressing the MENU key, the menu mode will exit, and you will need to begin that step again. Once you've finished a step, however, you do not have to hurry to the next.

1. Make sure you're in VFO (or FREQUENCY) mode, not MEMORY (CHANNEL) mode: press FREQUENCY/MEMORY (VFO/CHANNEL) key (just below the left of the display) to change.

2. Make sure you're on VFO A (top display), not B (bottom display): press A/B key (below the VFO/MEMORY key) to choose A.

3. Set the frequency step to 5khZ to properly enter frequencies in this area: press MENU (top left on the number pad), 1, MENU, 1, MENU, EXIT (top right on the number pad).

4. Clear the single memory channel, substituting NNN for the memory number you need to reprogram: press MENU, 28, MENU, NNN, MENU, EXIT.

5. Enter the repeater output frequency, e.g., 447.275: press 447275.

6. Set the offset direction: MENU, 25, MENU, 2 (for minus), MENU, EXIT.

7. Set the offset amount: MENU, 26, MENU, nnnnn (for VHF, 00600; for UHF, 05000), MENU, EXIT.

8. Set T-CTCSS for 100 hZ: MENU 13, MENU, 100, MENU, EXIT.

*9. Turn R-CTCSS off: MENU, 11, MENU, 0, MENU, EXIT.

10. Check the channel: call for signal check and listen for a response. If all isn't well, go to step 1.

11. Check other settings, e.g., POWER: MENU, UP or DOWN and check the settings. Press EXIT when finished.

12. Program the receive memory: MENU, 27, MENU, nnn, MENU, EXIT.

13. Switch to reverse: press the STAR key (below EXIT).

14. Program the transmit memory: MENU, 27, MENU, nnn, MENU, EXIT.

15. Switch to memory (CHANNEL) mode and check to make sure the memory works: call and listen.

Congratulations! You've successfully navigated the Baofeng keypad, and are ready to go.

*If you want to set the R-CTCSS to 110.9 as well, change step 9 to the following:
9. Set R-CTCSS for 110.9: MENU, 11, MENU, 1109, MENU, EXIT.
However, your HT should still work properly without setting R-CTCSS. This way, you won't have to change it again if R-CTCSS is changed later on the repeaters.

Please also note that you can use these steps to program a new memory channel as well. Just substitute the appropriate frequency, offset direction and amount, and CTCSS tones.