

Baofeng UV5R

Programming Memories Manually

**The following steps must be followed exactly.
Do NOT skip any steps along the way.**

Programming a Repeater Channel with Standard Offsets

**This example is for: 146.700 MHz
600kHz minus offset
into channel 99
CTCSS tone 123.0**

1. Set radio to VFO Mode (Frequency Mode)
 - a.) **UV5R/GT3** - Press VFO/MR button
 - b.) **UV82** - Turn radio OFF, then Press/Hold MENU button during PowerON.
2. Select Display A **(this is a must)**
 - a.) **UV5R/GT3** - Press **[A/B]** and select the **Upper Display**.
 - b.) **UV82** - Press **[EXIT A/B]** and select the **Upper Display**.
3. Disable TDR (Dual Watch/Dual RX) which toggles between A and B.
Press **[Menu] 7 [Menu]**
Select **OFF**
Press **[Menu] [Exit]**
4. Delete Prior Data from the channel to be programmed.
Press **[Menu] 2 8 [Menu]**
Enter **9 9** (Memory Channel to clear)
Press **[Menu] [Exit]**
5. Enter the Repeater Offset.
Press **[Menu] 2 6 [Menu]**
Enter **0 0 6 0 0**
Press **[Menu] [Exit]**
6. Enter the Transmit Frequency Shift.
Press **[Menu] 2 5 [Menu]**
Enter **2** for Minus shift.
Press **[Menu] [Exit]**

7. Set CTCSS or DCS codes for Transmit.
(example = CTCSS TX tone 123.0 Hz)
Press **[Menu] 1 3 [Menu]**
Enter **1 2 3 0 [Menu] [Exit]**
8. Enter the repeater output frequency, **1 4 6 . 7 0 0**
9. Store RX frequency
Press **[Menu] 2 7 [Menu]**
Enter **9 9** (Memory Channel) (000 to 127)
This is the channel that was cleared in step 4.
Press **[Menu] [Exit]**
10. Press the **[* Scan]** button.
This activates Reverse Mode and displays the TX frequency.
11. Press **[Menu] 2 7 [Menu]**
Enter the same **Memory Channel** entered above.
Press **[Menu]**
12. Press the **[* Scan]** again to exit the Reverse Mode.
13. Press **[Exit]**

This will now appear it in the channel list when you switch to Channel Mode.
(MR)

SUMMARY of above
146.700, - .600 split, 123.0 tone

1. **Set radio to VFO Mode (Frequency Mode)**
2. **[EXIT A/B] must be set to Upper Display.**
3. **Turn TDR OFF**
[Menu] 7 [Menu] OFF [Menu] [Exit]
4. **Delete Prior Data**
[Menu] 2 8 [Menu] Ch No. (99) [Menu] [Exit]
5. **Repeater Offset.**
[Menu] 2 6 [Menu] 0 0 6 0 0 [Menu] [Exit]
6. **Enter the TX Frequency Shift.**
[Menu] 2 5 [Menu] Shift [Menu] [Exit]
7. **Set TX CTCSS or DCS codes for Transmit.**
[Menu] 1 3 [Menu] 1 2 3 0 [Menu] [Exit]
8. **Enter RX frequency**
1 4 6 . 7 0 0
9. **Store RX frequency**
[Menu] 2 7 [Menu] Ch No. (99) [Menu] [Exit]
10. **Reverse RX TX display**
[* Scan]
11. **[Menu] 2 7 [Menu] Ch No. (99) [Menu] [* Scan] [Exit]**

Switch to Channel Mode. (MR)

Programming a Repeater Channel with any offset (Standard or Odd Split)

**This example is for: 146.700 MHz
600kHz minus offset
into channel 99
CTCSS tone 123.0 (optional)**

1. Set radio to VFO Mode (Frequency Mode)
 - a.) **UV5R/GT3** - Press VFO/MR button
 - b.) **UV82** - Turn radio OFF, then Press/Hold MENU button during PowerON.

2. Select Display A **(this is a must)**
 - a.) UV5R - Press **[A/B]** and select the **Upper Display**.
 - b.) UV82 - Press **[EXIT A/B]** and select the **Upper Display**.

3. Disable TDR (Dual Watch/Dual RX) which toggles between A and B.
Press **[Menu] 7 [Menu]**
Select **OFF**
Press **[Menu] [Exit]**

4. Delete Prior Data from the channel to be programmed.
Press **[Menu] 2 8 [Menu]**
Enter **9 9** (Memory Channel to clear)
Press **[Menu] [Exit]**

5. Store RX frequency
Enter **1 4 6 7 0 0**
Press **[Menu] 2 7 [Menu]**
Enter **9 9** (Memory Channel)
Press **[Menu] [Exit]**

6. Set CTCSS or DCS codes for Transmit. (if needed)
(example = CTCSS TX tone 123.0 Hz)
Press **[Menu] 1 3 [Menu]**
Enter **1 2 3 0 [Menu] [Exit]**

7. Store TX frequency
Enter **1 4 6 1 0 0**
Press **[Menu] 2 7 [Menu]**
Enter **9 9** (Memory Channel)
Press **[Menu] [Exit]**

8. The split is now programmed.

This procedure can be used to program standard offsets as well cross band. If you know the repeater's RX and TX, you can program them separately without using the repeater offset menus.

**SUMMARY of above
RX 146.700, TX 146.100
tone 123.0 optional**

1. **Set radio to VFO Mode (Frequency Mode)**
2. **[EXIT A/B] must be set to Upper Display.**
3. **Turn TDR OFF**
[Menu] 7 [Menu] OFF [Menu] [Exit]
4. **Delete Prior Data**
[Menu] 2 8 [Menu] Ch No. (99) [Menu] [Exit]
5. **Store RX frequency into channel**
1 4 6 7 0 0 [Menu] 2 7 [Menu] Ch No. [Menu] [Exit]
6. **Set TX CTCSS or DCS codes for Transmit. (optional)**
[Menu] 1 3 [Menu] 1 2 3 0 [Menu] [Exit]
7. **Store TX frequency into channel**
1 4 6 1 0 0 [Menu] 2 7 [Menu] Ch No. [Menu] [Exit]

Switch to Channel Mode. (MR)

Programming a Basic Simplex Channel (No Tone) into channel 99

The next example shows entering TX and RX frequencies without the Shift (25) or Offset (26) functions.

This may be more reliable, since only the "A" display works for programming memories, thus, the radio can only remember one offset value for programming purposes.

To demonstrate, here is how you would program **146.580** simplex into memory**99**.

There is no CTCSS tone in this example.

1. Set radio to VFO Mode (Frequency Mode)
 - a.) **UV5R/GT3** - Press VFO/MR button
 - b.) **UV82** - Turn radio OFF, then Press/Hold MENU button during PowerON.

2. Select Display A **(this is a must)**
 - a.) UV5R - Press **[A/B]** and select the **Upper Display**.
 - b.) UV82 - Press **[EXIT A/B]** and select the **Upper Display**.

3. Disable TDR (Dual Watch/Dual RX) which toggles between A and B.
Press **[Menu] 7 [Menu]**
Select **OFF**
Press **[Menu] [Exit]**

4. Delete Prior Data from the channel to be programmed.
Press **[Menu] 2 8 [Menu]**
Enter **9 9** (Memory Channel to clear)
Press **[Menu] [Exit]**

5. Store RX frequency
Enter **1 4 6 5 8 0**
Press **[Menu] 2 7 [Menu]**
Enter **9 9** (Memory Channel)
Press **[Menu] [Exit]**

6. Store TX frequency
Enter **1 4 6 5 8 0** again

Press **[Menu] 2 7 [Menu]**
Enter **9 9** (Memory Channel)
Press **[Menu] [Exit]**

7. The simplex channel is now programmed.

SUMMARY of above
RX / TX 145.580, no tone
into channel 99

1. **Set radio to VFO Mode (Frequency Mode)**
2. **[EXIT A/B] must be set to Upper Display.**
3. **Turn TDR OFF**
[Menu] 7 [Menu] OFF [Menu] [Exit]
4. **Delete Prior Data**
[Menu] 2 8 [Menu] Ch No. (99) [Menu] [Exit]
5. **Store RX frequency into channel**
1 4 6 5 8 0 [Menu] 2 7 [Menu] Ch No. (99) [Menu] [Exit]
6. **Store TX frequency into channel**
1 4 6 5 8 0 [Menu] 2 7 [Menu] Ch No. (99) [Menu] [Exit]

Switch to Channel Mode. (MR)