

BAOFENG UV-5R

PROGRAMMING A REPEATER FROM THE FRONT PANEL

Video and full
step-by-step at
HamCompass.com

SETTINGS

fill in your own repeater

SETTING	MENU	EXAMPLE	YOUR REPEATER
Receive frequency	—	443.350 MHz	_____
Squelch	0	1	_____
Step frequency	1	2.5K	_____
TX power	2	High	_____
Bandwidth	5	Wide	_____
Transmit tone	13	88.5 Hz	_____
Offset direction	25	Plus +	_____
Offset amount	26	005.000	_____
Channel store	27	CH-001	_____

CHECK YOUR BAND BEFORE YOU COPY THESE NUMBERS

This example is a 70 cm repeater. 443.350 with a **+5 MHz** offset. On 2 metres the offset is **0.600 MHz**, not 5.000 — copying 005.000 onto a 2 m machine will not work.

"In channel mode, the setting of these features is not possible: CTCSS/DCS tones, wide/narrow bandwidth..." — UV-5R manual. Set everything in **VFO mode**, then store with Menu 27.

COMMON MISTAKES

- ✗ 5 MHz offset on a 2 m repeater — it is 0.600
- ✗ Offset direction set the wrong way — Menu 25
- ✗ Setting tone or bandwidth while in channel mode
- ✗ Using H8 or H9 menu numbers on a UV-5R

WHERE TO FIND YOUR VALUES

- **RepeaterBook.com**
Search by state or let it use your location. Free.
- **Your local club**
Club sites list their machines and access tones.
- **RFinder app**
Worldwide directory, paid, good offline.
- **Ask on the air**
Get on a local net and ask. People are glad to help.

BEFORE YOU TRANSMIT

- 1 LISTEN**
Make sure the repeater is clear before you key up.
- 2 IDENTIFY**
Key up and give your callsign. Keep it short.
- 3 CONFIRM**
Listen for the courtesy tone. That means you made it in.
- 4 NO LUCK?**
Check Menu 25 and Menu 13 first — it is nearly always one of those.

BAOFENG UV-5R

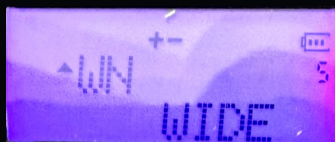
FRONT-PANEL STEPS

PAGE 2 OF 2 • HOW TO SET IT

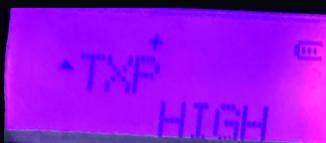
Orange squares are **steps**. Highlighted numbers are the **UV-5R menu number** — press MENU, type the number, press MENU again to enter it. **MENU** confirms. **EXIT** leaves without saving.

1 Enter the frequency**VFO MODE**

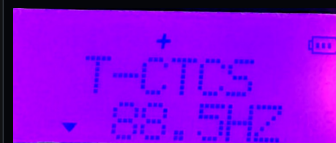
VFO/MR until you see a frequency. Key in 443.350.

2 Bandwidth**5** W/N

Wide, 25 kHz. Press MENU.

3 TX power**2** TXP

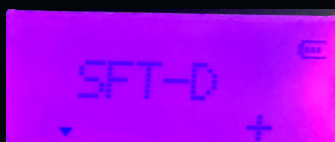
High. Press MENU.

4 Transmit tone**13** T-CTCS

Scroll to yours, 88.5 shown. Press MENU.

5 Offset amount**26** OFFSET

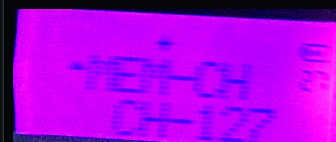
005.000 for 70 cm. 000.600 on 2 m.

6 Offset direction**25** SFT-D

Plus here. Most-missed step.

7 Store the channel**27** MEM-CH

Pick an empty channel. MENU stores it.

8 Check it saved**VFO/MR -> CHANNEL**

Channel number and frequency should match.

⚠ If it will not open the repeater

Check **25** first — wrong direction is the usual cause.

Then **13**. Tone must match the published value exactly.

Then **26**. 5.000 on 70 cm, 0.600 on 2 m — they are not interchangeable.

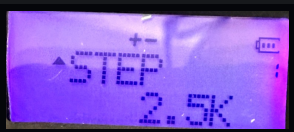
🚩 Then get on the air

Press **VFO/MR** for channel mode and find your channel.

Listen first. Key up, give your callsign, and wait.

A courtesy tone back means you are in.

⚙ Worth setting once



0 SQL Squelch. Level 1 opens for weak signals without constant hiss.

1 STEP Tuning step. 2.5K shown; 5.0K suits most repeater spacing.

Menu numbers checked against the Baofeng UV-5R / UV-5R Plus / GT-3 manual and photographed on the radio. The UV-5R numbers differ from the TIDRADIO H8 and H9 — do not mix them.