

TIDRADIO H8 GEN 3

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	—	146.760 MHz	_____
Bandwidth	0	Wide	_____
TX power	2	High	_____
Transmit tone	13	107.2 Hz	_____
Offset direction	23	Minus	_____
Offset amount	24	00.600	_____
Channel store	25	CH-001	_____

SET EVERYTHING BEFORE YOU STORE THE CHANNEL

"If you want to set CTCSS tones, DCS codes or the frequency offset, you have to do it before storing the channel." — TD-H8 manual
Menu 25 saves a snapshot of what the radio is doing right now. Change the tone afterwards and the stored channel keeps the old one. It is also why Direction, Step and the CTCSS menus refuse to work once you are in channel mode. Do the work in VFO, then save.

COMMON MISTAKES

- ✗ Offset direction set the wrong way — Menu 23
- ✗ Storing the channel before setting the tone
- ✗ Pressing EXIT instead of MENU to confirm
- ✗ Using H9 or UV-5R menu numbers on an H8
- ✗ Assuming a different H8 generation matches

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

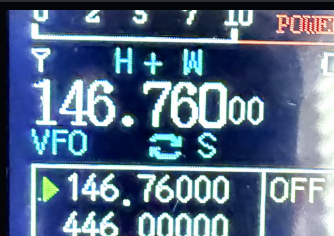
- 1 LISTEN**
Make sure the repeater is clear before you key up.
- 2 IDENTIFY**
Key up and give your callsign. Keep it short.
- 3 CONFIRM**
Listen for the courtesy tone. That means you made it in.
- 4 NO LUCK?**
Check Menu 23 and Menu 13 first — it is nearly always one of those.

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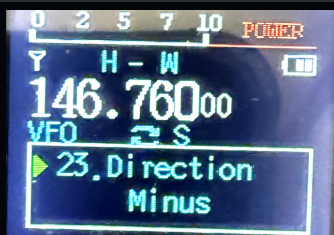
FRONT-PANEL STEPS

PAGE 2 OF 2 · HOW TO SET IT

Orange squares are **steps**. Highlighted numbers are the **H8 menu number** — press MENU, type the number, you are there. One flat list, 0 to 25. After choosing a value press MENU to commit it. EXIT leaves without saving.

1 Enter the frequency**VFO MODE**

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

5 Offset direction**23** DIRECTION

Minus for 2 m. Most-missed step.

⚠ If it will not open the repeater

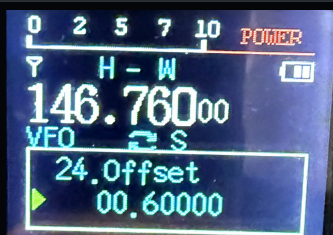
Check **23** first — wrong direction is the usual cause.

Then **13**. Tone must be Tx CTCSS and match exactly.

If nothing stuck, you pressed **EXIT** instead of MENU, or saved before setting the tone.

2 Bandwidth**0** BANDWIDTH

Wide, 25 kHz. Press MENU.

6 Offset amount**24** OFFSET

00.600 for 2 m, 05.000 for 70 cm.

➡ Then get on the air

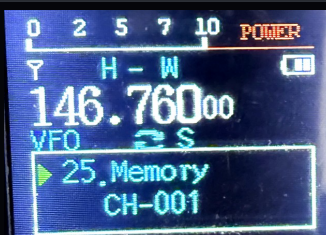
Press **VFO/MR** for channel mode and find your channel.

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

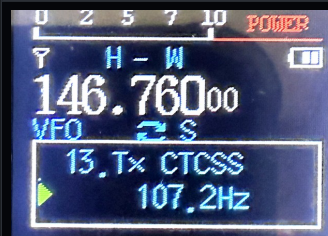
A courtesy tone back means you are in.

3 TX power**2** TX POWER

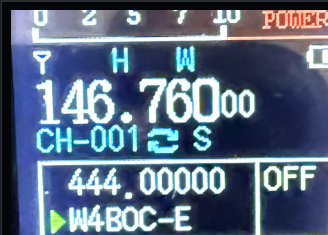
High. Press MENU.

7 Store the channel**25** MEMORY

Pick an empty channel. MENU stores it.

4 Transmit tone**13** TX CTCSS

Scroll to yours, 107.2 shown. Press MENU.

8 Check it saved**VFO/MR → CHANNEL**

Frequency and channel number should match.

⚙ Worth setting once — and two that catch people out



8 TOT Time-out timer, 180 s shown. Set it to OFF and you must *hold* PTT to keep transmitting.



22 AUTO LK Locks the keypad after 15 s. The usual reason a radio “stops responding” in a pocket.

1 Squelch Level 1 opens for weak signals without constant hiss. **4 Step** 12.5 kHz suits most 2 m spacing.

Menu numbers checked against the TD-H8 3rd-generation manual (July 2025) and photographed on the radio. Other generations may number these differently — check the label on screen, not just the number.