

TIDRADIO H9

PROGRAMMING A REPEATER

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

SETTINGS

fill in your own repeater

SETTING	EXAMPLE	YOUR REPEATER
Receive Frequency	146.760 MHz	_____
Offset Direction	Minus -	_____
Offset Amount	0.600 MHz	_____
PL Tone (CTCSS)	107.2 Hz	_____
TX Power	High	_____
Bandwidth	Wide	_____
Memory Channel	001	_____

THIS RADIO HAS TWO MENUS

RADIO MENU

Squelch, step frequency, time-out timer. Settings that apply to the whole radio.

CHANNEL MENU

Bandwidth, power, offset, tone, save. Settings stored per channel.

The same menu number means different things in each. Check which menu you are in.

COMMON MISTAKES

- ✗ Offset direction set the wrong way
- ✗ Offset amount wrong for the band
- ✗ Wrong or missing PL tone
- ✗ Forgetting to save to memory

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 offset direction and PL tone first — it is nearly always one of those.

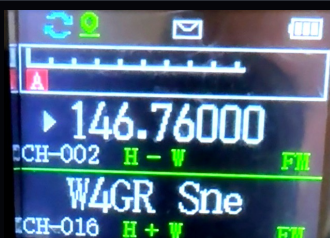
TIDRADIO H9

STEP BY STEP

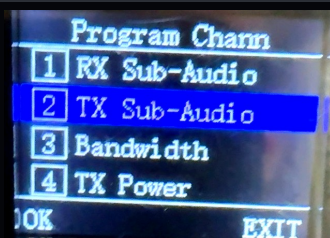
PAGE 2 OF 2 · HOW TO SET IT

Orange squares are **steps**. Highlighted numbers are **Program Chann menu items** — they run in order, so you scroll down the menu once, top to bottom.

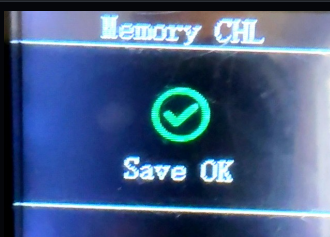
After choosing a value, press **MENU** to commit it. **BACK** exits without saving.

1 Enter the frequency**VFO MODE**

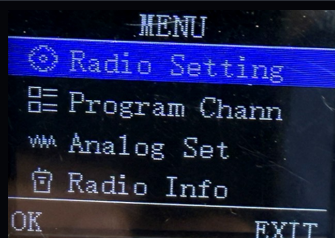
Key in the repeater's receive frequency.

5 Bandwidth & power**3 4** BANDWIDTH / TX POWER

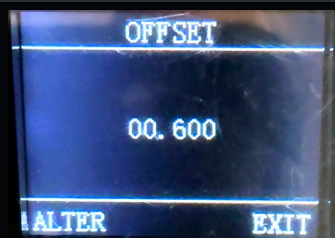
Wide, and High. MENU after each.

9 Save it**12** CONFIRM

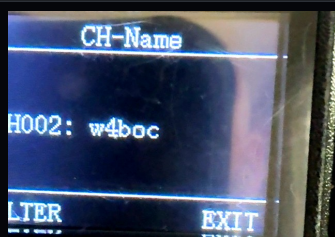
Save OK means it is stored.

2 Open the channel menu**MENU → PROGRAM CHANN**

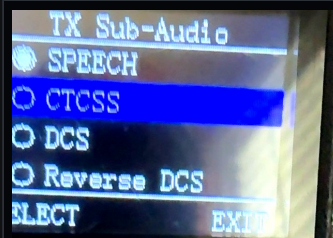
Every repeater setting is in this list.

6 Set the offset amount**10** OFFSET

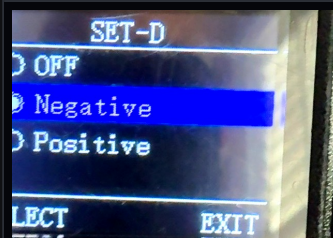
ALTER, enter 00.600 for 2 m, then MENU.

10 Name the channel**15** CH-NAME

ALTER to type. Use the callsign.

3 Turn the tone on**2** TX SUB-AUDIO

Choose CTCSS, not DCS. Press MENU.

7 Set the direction**11** SET-D

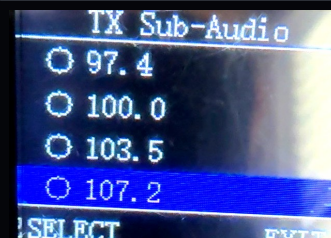
Negative for 2 m, then MENU. Most-missed step.

⚠ If it will not open the repeater

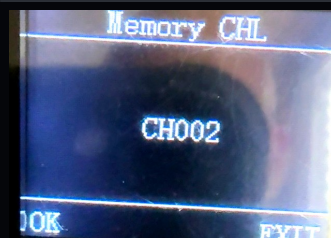
Check **SET-D** first — wrong direction is the usual cause.

Then the **tone**. It must be CTCSS and match exactly.

If nothing stuck at all, you likely exited with **BACK** instead of MENU.

4 Pick your tone**2** SAME SCREEN

Scroll to yours, 107.2 shown. Press MENU.

8 Choose a memory slot**12** MEMORY CHL

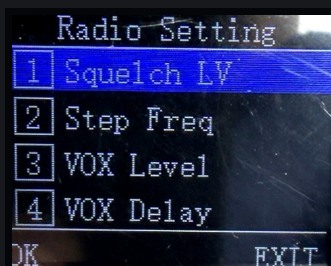
Pick an empty channel.

▶ Then get on the air

Press **V/M** to switch to memory mode and find your channel.

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

A courtesy tone back means you are in.

⚙ Radio Setting — a different menu, worth setting once

1 Squelch LV Level 1 opens for weak signals without constant hiss.

2 Step Freq 5.0K suits most 2 m repeater spacing.

5 TOT Time-out timer. 180 seconds is a courteous default.

Its item numbers start at 1 again. A "2" here is Step Freq, not TX Sub-Audio.