BAOFENG UV-5R MINI · QUICK REFERENCE

Keys

V/M	channel mode / frequency (VFO) mode
A/B	pick the active line; you TX on it
Up/Down	step channels or frequency
MENU/EXIT	settings / back out
* hold	lock or unlock the keypad
# hold	start or stop scanning
0 hold	weather channels (# hold to scan)
PTT x2	one per line: watch which you press
Side key	short: your pick (FM radio, scan, search, VOX, flashlight, SOS)
	hold: opens squelch for weak signals

Menu items that matter

Dual Watch	MENU, 2 (Radio Set), item 15. A "D" on line one means it's on
CH-MDF	NAME, to show channel names
Wireless CPS	ON for the OLA Radio phone app
Encryption	OFF: not allowed on ham bands
Radio Info	last entry: firmware version

Menus move between firmware versions: go by the names on the screen.

Tune a frequency

1. V/M into frequency mode
2. Type it without the dot: 146520
3. A repeater also needs an offset and a tone, which is why I program them in CHIRP

Repeater settings

Output	the frequency you listen on
Offset	2 m: 600 kHz 70 cm: 5 MHz, + or -
Tone	CTCSS sent on transmit; in CHIRP, Tone mode "Tone"

Wrong offset or no tone = silent repeater

Program it with CHIRP

1. K1 cable (FTDI) in, pushed all the way home
2. Radio > Download From Radio, Baofeng / UV-5R Mini
3. Save that file first: it's your backup
4. File > Import my CSV (see below)
5. Check the Power column, then Radio > Upload To Radio

No cable yet? Wireless CPS ON, then the OLA Radio app over Bluetooth (no airband).

Calling and weather

146.520	2 m national simplex calling
446.000	70 cm national simplex calling
162.400	NOAA weather, WWG75 on Haleakalā (WX2; covers Maui, Moloka‘i, Lāna‘i)

KH6COM machines (most of ch 10-31) have emergency backup power.

My Maui County channels

Ch	Name	Output	Shift	Tone
1	2M CALL	146.520	simp	-
2	70CM CALL	446.000	simp	-
3-9	WX1-WX7	162.400-162.550	RX only	
10	KAANAP 2M	146.900	-0.6	136.5
11	KAANAP 70	442.350	+5.0	136.5
12	KAPALUA	442.000	+5.0	110.9
13	NAPILI	444.800	+5.0	88.5
14	KAHAKULOA	442.400	+5.0	136.5
15	HALE 146.94	146.940	-0.6	110.9
16	HALE 147.08	147.080	+0.6	107.2
17	HALE 442.10	442.100	+5.0	136.5
18	HALE 444.22	444.225	+5.0	110.9
19	WAILUKU 2M	146.760	-0.6	100.0
20	KAHULUI	147.180	+0.6	136.5
21	WAILUKU 443	443.025	+5.0	103.5
22	WAILUKU COM	443.225	+5.0	110.9
23	PUKALANI	147.140	+0.6	88.5
24	KAHUA	442.275	+5.0	136.5
25	WAILEA	442.050	+5.0	136.5
26	KEANAE	146.900	-0.6	110.9
27	HANA	442.300	+5.0	110.9
28	LANAI	442.225	+5.0	110.9
29	PUU NANA	442.300	+5.0	136.5
30	KUALAPUU	145.370	-0.6	110.9
31	HALAWA	442.125	+5.0	110.9

Full statewide list: the CSV in the guide.

On the air

Listen first. Key up, wait a beat, then talk. Say your callsign every 10 minutes and at the end. First call: "N0CALL listening." Radio a few inches from your mouth, normal voice.

The rules (US)

Listening: anyone, anything.
Transmit on 2 m / 70 cm: ham license.
  Technician: 35 questions, 26 to pass.
Never transmit on FRS, GMRS or MURS: this radio isn't certified for them.
No encryption, no scrambling.

When something's wrong

Repeater silent	check offset and tone
CHIRP: "Radio did not respond"	push the plug in fully, then try another cable
No names shown	CH-MDF > NAME
Speaker silent	plug something into the accessory jack, pull it out