

# Radio Programming

Every radio operates differently, and once programmed, it's easy to forget how to set up new frequencies (especially if there's a repeater offset and tone involved).

In the spirit of emergency preparedness, here are quick reference guides on how to program different radios. The aim is to condense on **one page** that can be printed, everything that is needed to setup a new frequency in VFO mode with the proper offset and tone. This is a list in progress, please feel free to post your own list here or email it to [Patrick](#) if you need help.

Radio	Reference Guides	Other
Icom IC-207H	<a href="#">Libre Office, PDF</a>	
Kenwood TM-D710G	<a href="#">Libre Office, PDF</a>	
QYT KT-8900	<a href="#">Libre Office, PDF</a>	<a href="#">Menu List</a>
Baofeng UV-5R	<a href="#">Libre Office, PDF</a>	<a href="#">Chirp</a>

## Example: IC-207H

## Frequencies

Here are frequencies programmed on VA7FI's radios (updated on Jul 20, 2020):

- [Spreadsheet List](#)
- [PDF List](#)
- [Chirp List](#)

And a few details:

- My mobile QYT KT-8900 radios have all channels programmed in, where as the Baofeng radios only have channels 0 to 127.
- The Link columns identifies repeaters that are linked together.
- I tried to roughly sort repeaters from North to South for the Island and West to East for the mainland, while trying to keep linked repeaters grouped together.
- Channel 1 (XbandR) is what I use when I need to setup a [crossband repeater](#) at home. You don't need to program that one.
- See the [Links: Scanner Frequencies](#) page for more information about the non-ham frequencies listed.
- The repeaters I hang out on most are on channels: 2, 3, 12, 21, 27, 44, 58

If you notice any mistakes, please let me know.

## Simplex

It's also worth remembering that only specific simplex frequencies are allowed by the RAC band plans:

<b>For 2m:</b>	146.415, 146.430, 146.445, 146.460, 146.475, 146.490, 146.505, 146.520 <sup>†</sup> , 146.535, 146.550, 146.565, 146.580, 146.595	15 kHz between each channel.
<b>For 70cm:</b>	446.000 <sup>†</sup> , 446.025, 446.050, 446.075, 446.100, 446.125, 446.150, 446.175	25 kHz between each channel.

†: National calling frequencies.

Or more succinctly:

<b>2m</b>	146.415 – 146.595	$\Delta = 15 \text{ kHz}$
<b>70cm</b>	446.000 – 446.175	$\Delta = 25 \text{ kHz}$