

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 | Libre Office , PDF | |
| Kenwood TM-D710G | Libre Office , PDF | |
| QYT KT-8900 | Libre Office , PDF | Menu List |
| Baofeng UV-5R | Libre Office , PDF | Chirp |

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:

| | | |
|------------------|---|------------------------------|
| For 2m: | 146.415, 146.430, 146.445, 146.460, 146.475, 146.490, 146.505, 146.520 [†] , 146.535, 146.550, 146.565, 146.580, 146.595 | 15 kHz between each channel. |
| | 147.420, 147.450, 147.480, 147.510, 147.540, 147.570 | 30 kHz between each channel. |
| For 70cm: | 446.000 [†] , 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:

| | | |
|-------------|-------------------|---------------------------|
| 2m | 146.415 – 146.595 | $\Delta = 15 \text{ kHz}$ |
| | 147.420 – 147.570 | $\Delta = 30 \text{ kHz}$ |
| 70cm | 446.000 – 446.175 | $\Delta = 25 \text{ kHz}$ |