# How To Use The Baufeng Standing Rock Radio Image

## Chirp

First things first. Download Chirp.
http://chirp.danplanet.com/projects/chirp/wiki/Home

This is an open source radio programming tool that will create images that can be uploaded to many different kinds of radios. See the Home page above for a list of radios that it works with.

If you are in Linux, you will want to open chirpw with root privileges. The easy way to do this is simply to go to the command line and type "sudo chirpw". The GUI will open up for you.

## Download Radio Settings

If your radio is turned on, turn it off. Connect your radio to your computer using the appropriate connector for your device*. Turn your radio on, and turn the volume up to its highest setting. In the main menu, under Radio, choose Download from radio. This will grab the correct settings for your radio based on its firmware and current programming.

You will be overwriting the data in "Memories" to create the list of channels that you want to have access to. Once you have the current settings for your radio in Chirp, you may also want to explore the settings tab on the left side of the screen to change the welcome screen, default channels, and other things.

*NB: Cheap USB radio chords are not a good idea. Go for a mid-range one, as the least expensive chords have problems and break easily.

## Copy-Paste settings from Baufeng Standing Rock

In the main menu, go to Open and then find the Baufeng_UV-5R-StandingRock.img file where you downloaded it. Copy the "memories" lines from that file into the file that was created when you downloaded your radio settings. Delete any lines you don't want with the Delete button. (Backspace does not delete lines.) Use ctrl-Up arrow or ctrl-Down arrow to move lines around in the file if you like.

When you are done, save your file to a new name.

NB: In Linux we have found that overwriting images doesn't work properly, even when you are running the application with root privileges. You can avoid much heartache by simply saving to a new file each time you make changes.

## Upload to your radio

Connect your radio to your computer using the same method as described in "Download Radio Settings" above. In the main menu, under **Radio**, chose **Upload to radio**. When your new settings are uploaded, your radio will reboot itself.

You are done!

## Learning more about the Baufeng UV-5R

The Baufeng UV-5R is a great little radio at an affordable price, but the manual that comes from the manufacturer is not terribly helpful. Luckily, there is an open source, Creative Commons licensed manual that makes up for that problem.

Go to https://radiodoc.github.io/ and download the PDF to learn much more about the radio's capabilities.

We recommend that you familiarize yourself with Chapter 5: Scanning to get the most use out of the Baufeng UV-5R Standing Rock radio image.

## About the Image

The  Baufeng UV-5R Standing Rock radio image was developed by the happy humanitarian hackers of Tech Warrior Camp at Oceti Sakowin Camp in order to help people keep in contact and keep an ear out for local news. The list of locally active and important channels was collated by @eye_foreign_eye, @aretvet, and @lishevita as well as some other folks who are either unknown or wish to remain anonymous. If you have any additions or other suggestions, please email Lisha Sterling at lisha@gwob.org.