Gqrx SDR

Open source software defined radio by Alexandru Csete OZ9AEC

Install Gqrx SDR on Ubuntu Linux

Gqrx has been included in Ubuntu Linux for many years now. Although these versions are often a bit outdated, they may sufficient for your use.

If you want to use the latest version, you can use packages from our own personal package archive (PPA) available for **Ubuntu 14.04 – 18.04 on i386 and amd64** architectures. This PPA depends on a few other third party package archives to provide the latest SDR drivers and GNU Radio packages.

To start using the PPA, first make sure that you do not have any other source or binary installation of gqrx, gnuradio or the SDR driver libraries installed. The following commands remove binary installations of gqrx and gnuradio, but not installations from source:

```
sudo apt-get purge --auto-remove gqrx
sudo apt-get purge --auto-remove gqrx-sdr
sudo apt-get purge --auto-remove libgnuradio*
```

You should now remove the gqrx/releases or gqrx/snapshots PPA from the list of repositories / package source if you have been using these.

Then add the new repositories to the package manager by typing the following in a terminal – one line at a time:

```
sudo add-apt-repository -y ppa:bladerf/bladerf
sudo add-apt-repository -y ppa:myriadrf/drivers
sudo add-apt-repository -y ppa:myriadrf/gnuradio
```

```
sudo add-apt-repository -y ppa:gqrx/gqrx-sdr
sudo apt-get update
```

If that went well without errors, continue with installing gqrx:

```
sudo apt-get install gqrx-sdr
```

You can now find gqrx in the desktop menu or start it from a terminal by typing gqrx.

Once you have installed Gqrx from the PPA, updates will be available through the package manager.

It is recommended that users also install the libvolk1-bin package and run the volk_profile tool to optimize GNU Radio performance on the specific computer it is being used on.

```
sudo apt-get install libvolk1-bin
volk_profile
```

Wait for it to finish, then enjoy the performance boost :-)

Feel free to ask for help or guidance if you are unsure or run into trouble. Please see user support for how to contact us.

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