

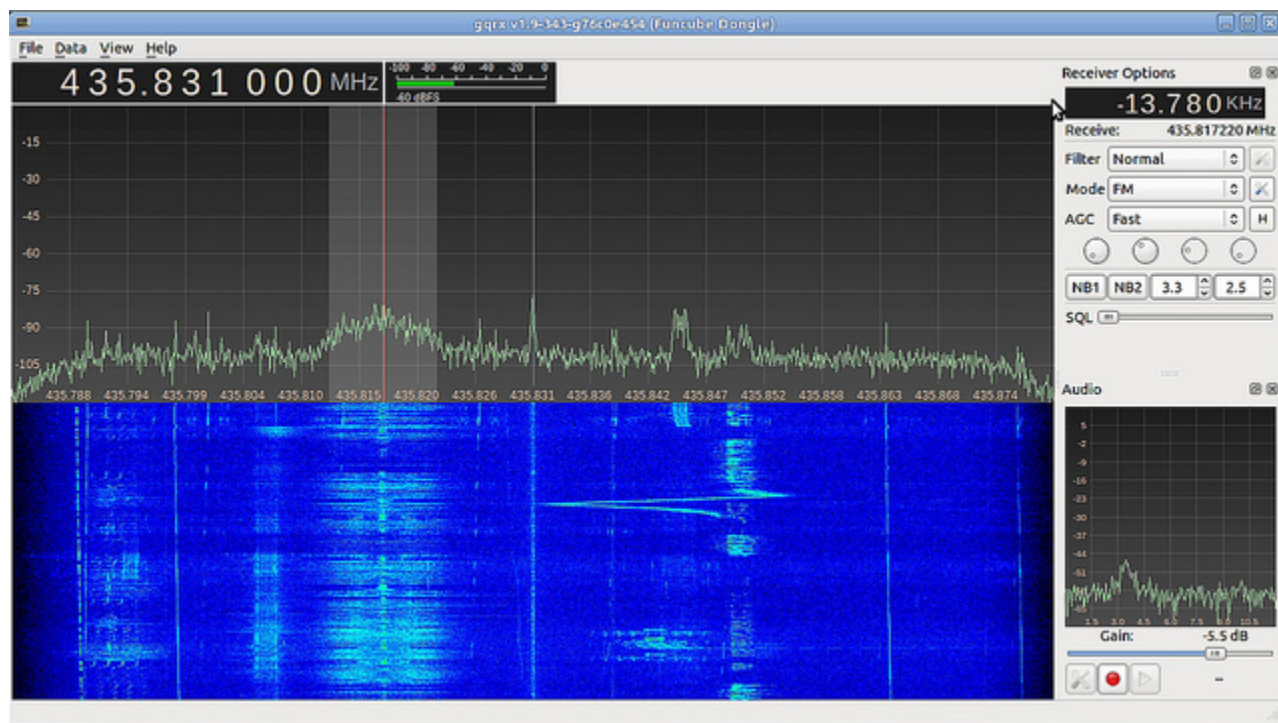
Gqrx SDR receiver

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Alexandru Csete [Radios](#) - [GNU Radio](#)

Gqrx is a software defined radio receiver for Funcube Dongle (FCD), RTL2832U-based DVB-T devices (RTL-SDR), Universal Software Radio Peripherals (USRP) and Osmo SDR devices. It is powered by [GNU Radio](#) and the [Qt GUI toolkit](#).

Gqrx is free and open source software and anyone is invited to hack the source code to suit their needs.



Status

[Gqrx 2.0](#) is more or less finished and is awaiting packaging. It supports the Funcube Dongle on Linux.

Gqrx 2.1 is a work in progress and adds support for RTL2832U-based DVB-T dongles, USRP and Osmo SDR devices via the excellent [gr-osmosdr](#) package.

Currently, gqrx offers the following features:

- Automatically detect supported devices attached to the computer
- Process I/Q data from Funcube Dongle, RTL2832U SDR, USRP and OSmo SDR
- Change frequency, gain and apply various correction (frequency, I/Q balance)
- AM, SSB, FM-N and FM-W modulations
- Variable band pass filter
- Squelch, noise blankers and AGC
- FFT plot and waterfall
- Record audio to file (play back is planned)
- Spectrum analyzer mode where all signal processing is disabled

Watch gqrx in action in [these YouTube videos](#).

Download and install

Binary and source packages containing official releases are available from its [Sourceforge project page](#). The latest development code can be forked from [Github](#). Installation instructions depend on version and are included in each package.

Tutorials

[Howto receive and decode NOAA APT images with Funcube Dongle and Gqrx](#)

Credits

Design and implementation by Alexandru Csete OZ9AEC

Many of the GUI widgets were adopted from [Cutesdr](#) by Moe Weatley

The icons come from the [GNOME](#), [Tango](#) and [Mint-X](#) icon themes.

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