

# GNU Radio Installation Instructions

\* It is strongly recommended to use Linux OS for installing and using GNU Radio tools as Windows and macOS have very little support available to deal with installation issues.

## 1. Linux Installation

For Debian and Ubuntu (16.04 LTS or higher), it is easy to install GNU Radio by running the following commands:

```
$ sudo apt-get update
$ sudo apt-get upgrade
$ sudo apt-get install gnuradio
```

Installation instructions for other Linux distributions can be found at the below link:

<https://wiki.gnuradio.org/index.php/InstallingGR>

If you are using a lower version of Ubuntu or in case of dependencies error, follow these steps:

1. First you need to install Synaptic Package Manager. For those who have already got it installed in your system may skip the next step.
2. On the terminal, type the following commands:

```
$ sudo apt-get update
$ sudo apt-get upgrade
$ sudo apt-get install synaptic
```
3. Now, open Synaptic Package Manager. On the search tab, type gnuradio.
4. Select gnuradio package and mark for installation.
5. Select Mark option for additional required changes. Click on Apply.
6. The installation may take approximately 3-5 minutes.

## 2. Windows Installation

1. Download Installation binaries from the below link (Click Download Latest GR 3.7 Installer): <http://www.gcnddevelopment.com/gnuradio/index.htm>
2. Right Click and run as administrator.
3. Wait for the installation to finish

### 3. macOS Installation

The instructions for installing GNU Radio on a Mac can be found at the below link:

<https://wiki.gnuradio.org/index.php/MacInstall>

To run GNU Radio on Ubuntu, open the terminal and type in `gnuradio-companion` or click on show applications and search for GNU Radio Companion.