

GRv3.8 (Sourced from <https://wiki.gnuradio.org/index.php/InstallingGR>)

- Use Ubuntu v20
- `sudo add-apt-repository ppa:gnuradio/gnuradio-releases-3.8`
- `sudo apt-get update`
- `sudo apt install gnuradio`

v3.8 gr-rfml (Sourced from <https://github.com/mkzo/gr-rfml>)

- Dependencies
  - `sudo apt install git`
  - `sudo apt install cmake`
  - Check python3 is installed: `python3 --version`
  - `sudo apt install python3-pip`
  - `pip install pybind11 (version 2.9)`
  - `pip install numpy protobuf==3.16.0`
  - `pip install onnx`
  - `pip install onnxruntime==1.9.0`
- gr-rfml Installation
  - `git clone https://github.com/mkzo/gr-rfml.git`
  - `cd gr-rfml`
  - `mkdir build`
  - `cd build`
  - `cmake ..`
  - `make`
  - `sudo make install`

GRv3.9 (Sourced from <https://wiki.gnuradio.org/index.php/InstallingGR>)

- Use Ubuntu v20
- `sudo add-apt-repository ppa:gnuradio/gnuradio-releases-3.9`
- `sudo apt-get update`
- `sudo apt install gnuradio`
- `gnuradio-config-info --version`

v3.9 gr-rfml (Sourced from <https://github.com/mkzo/gr-rfml>)

- Dependencies
  - `sudo apt install git`
  - `sudo apt install cmake`
  - Check python3 is installed: `python3 --version`
  - `sudo apt install python3-pip`
  - `pip install pybind11 (version 2.9)`
  - `pip install numpy protobuf==3.16.0`
  - `pip install onnx`
  - `pip install onnxruntime==1.9.0`
- gr-rfml Installation
  - `git clone --branch gnuradio-3.9 https://github.com/mkzo/gr-rfml.git`
  - `cd gr-rfml`
  - `mkdir build`
  - `cd build`
  - `cmake ..`
  - `make`
  - `sudo make install`
  - `sudo apt-get install xterm`

To use arbitrary input transform: Create python script titled `trans.py` and input path into `gr-rfml dnn_onnx_sync` module. Select 'custom' from the input transform dropdown menu.