

## 1 Install Perl modules

Install GTK library

```
sudo apt-get install build-essential
sudo apt-get install libgtk2.0-dev libglib2.0-dev libpango1.0-dev
```

Now run cpan

```
sudo cpan
```

If cpan needs any configuration setting answer them 'yes'. Then install the following in order

```
install ExtUtils::Depends
install ExtUtils::PkgConfig
install Glib
install Pango
install Gtk2
```

other required modules:

```
install String::Similarity
```

exit cpan

```
exit
```

## 2 Install aeMB compiler

Install srecord

```
sudo apt-get install srecord
```

Download the aeMB compiler at

```
http://gnuradio.org/tools/mb-gcc-4.1.1.gr2.i386.tar.gz
```

unzip and copy it in opt folder

```
sudo cp -R microblaze/ /opt/
```

update PATH variable in .bashrc file

```
gedit ~/.bashrc
```

add below text to .bashrc file and save it

```
export PATH=$PATH:/opt/microblaze/bin
```

The 32 bit library is required on 64 bit system. If not installed run

```
sudo apt-get install lib32z1
```

## 3 Run gui application

```
cd perl_gui
./ProNoC.pl
```