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# **Gluon Documentation**

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Gluon is an sophisticated framework for developing OpenWRT based firmwares. Being in an early development stage it is used by several Freifunk communities in Germany.



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**Features**

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**Supported Devices**

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**License**

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## User Documentation

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### 4.1 Getting Started

```
git clone https://github.com/freifunk-gluon/gluon.git
cd gluon
git clone git://github.com/freifunk-gluon/site-ffhl.git site
make update
make
```

### 4.2 Builds

For the build reserve 6GB of disk space. The building requires packages for subversion, ncurses headers (`libncurses-dev`) and zlib headers (`libz-dev`).

#### 4.2.1 Building Gluon

To build Gluon, after checking out the repository change to the source root directory to perform the following commands:

```
git clone git://github.com/freifunk-gluon/site-ffhl.git site # Get the Freifunk Lübeck site repository
make update # Get other repositories used by Gluon
make # Build Gluon
```

When calling `make`, the OpenWRT build environment is prepared and updated. To rebuild the images only, just use:

```
make images
```

The built images can be found in the directory `images`.

#### 4.2.2 Cleaning up

There are three levels of `make clean`:

```
make clean
```

will only clean the Gluon-specific files;

`make cleanall`

will also call `make clean` on the OpenWRT tree, and

`make dirclean`

will do all this, and call `make dirclean` on the OpenWRT tree.

## **4.3 Frequently Asked Questions**

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**Features**

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## Developer Documentation

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### 6.1 Contributing to Gluon

Gluon's source is kept in [git repositories](#) at GitHub.

#### 6.1.1 Bug Tracker

The [main repo](#) does have issues enabled.

#### 6.1.2 IRC

Gluon's developers frequent [#gluon](#) on [hackint](#). You're welcome to join us!



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**Indices and tables**

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