

Mémo Installation Xastir

depuis les sources sur Raspberry Pi3

Ce mémo a été testé avec succès sur un Raspberry Pi modèle 3B et Raspbian Stretch.

Installation des dépendances :

Mettre à jour Raspbian avec les commandes apt-get update/upgrade

```
$ sudo apt-get install build-essential
```

```
$ sudo apt-get install git autoconf automake xorg-dev graphicsmagick gv libmotif-dev libcurl4-openssl-dev
```

```
$ sudo apt-get install gpsman gpsmanshp libpcrc3-dev libproj-dev libdb5.3-dev python-dev libx25-dev libwebp-dev
```

```
$ sudo apt-get install shapelib libshp-dev festival festival-dev libgeotiff-dev libwebp-dev libgraphicsmagick1-dev
```

```
$ sudo apt-get install xfonts-100dpi xfonts-75dpi
```

```
$ xset +fp /usr/share/fonts/X11/100dpi,/usr/share/fonts/X11/75dpi
```

Installation de Xastir

```
$ mkdir ~/src
```

```
$ cd ~/src
```

```
$ git clone https://github.com/Xastir/Xastir.git
```

```
$ cd Xastir
```

```
$ ./bootstrap.sh
```

```
$ cd ~/src/Xastir
```

```
$ mkdir build
```

```
$ cd build
```

```
$ ../configure CPPFLAGS="-I/usr/include/geotiff"
```

```
$ make
```

```
$ sudo make install
```

```
$ sudo chmod u+s /usr/local/bin/xastir
```

Annexes

Contrôler sa version de Raspbian installée:

```
$ lsb_release -a
```

No LSB modules are available.

Distributor ID: Raspbian

Description: Raspbian GNU/Linux 9.6 (stretch)

Release: 9.6

Codename: stretch

Contrôler le modèle du Raspberry Pi

```
$ cat /proc/cpuinfo | grep Revision
```

Chercher la correspondance dans le tableau de la page suivante.

| Code | Model | Revision | RAM | Manufacturer |
|--------|-------------------|----------|--------|--------------|
| 900021 | A+ | 1.1 | 512 MB | Sony UK |
| 900032 | B+ | 1.2 | 512 MB | Sony UK |
| 900092 | Zero | 1.2 | 512 MB | Sony UK |
| 920092 | Zero | 1.2 | 512 MB | Embest |
| 900093 | Zero | 1.3 | 512 MB | Sony UK |
| 9000c1 | Zero W | 1.1 | 512 MB | Sony UK |
| 920093 | Zero | 1.3 | 512 MB | Embest |
| a01040 | 2B | 1.0 | 1 GB | Sony UK |
| a01041 | 2B | 1.1 | 1 GB | Sony UK |
| a02082 | 3B | 1.2 | 1 GB | Sony UK |
| a020a0 | CM3 | 1.0 | 1 GB | Sony UK |
| a21041 | 2B | 1.1 | 1 GB | Embest |
| a22042 | 2B (with BCM2837) | 1.2 | 1 GB | Embest |
| a22082 | 3B | 1.2 | 1 GB | Embest |
| a32082 | 3B | 1.2 | 1 GB | Sony Japan |
| a52082 | 3B | 1.2 | 1 GB | Stadium |
| a020d3 | 3B+ | 1.3 | 1 GB | Sony UK |
| 9020e0 | 3A+ | 1.0 | 512 MB | Sony UK |

source :

<https://www.raspberrypi.org/documentation/hardware/raspberrypi/revision-codes/README.md>

Sources

<http://xastir.org/index.php/HowTo:Raspbian>

<https://xastir.org>