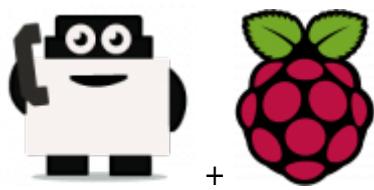


Installation for Raspberry

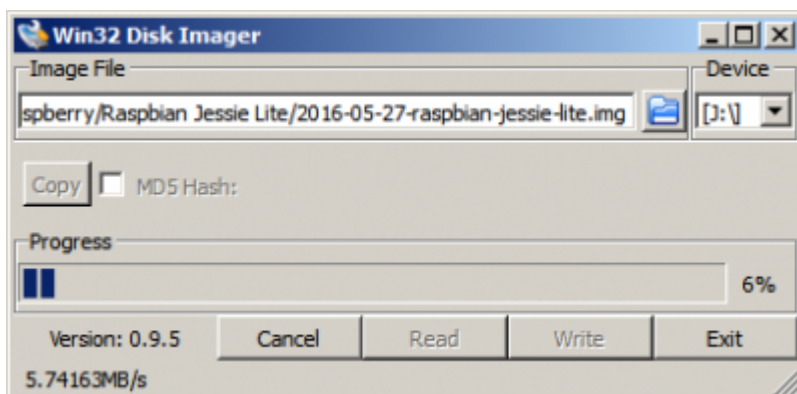


Hardware requested

- Raspberry Pi 2 Model B (~ \$30)
- Alternative: Raspberry Pi Model B+ (~ \$30, predecessor of the RPI 2 Model B)
- Case for the RPI (~ \$10, if you want the HDD, buy HDD enclosure too for ~\$10)
- Aluminum heatsink set (~ \$5)
- Power supply (~ \$9)
- MicroSD card (~ \$8-\$17, I recommend getting one with at least 16GB of space, and class 10)
- Hard Drive WD PiDrive 314Gb, (~ \$40, if you want to use fast and heavy storage)
- Ethernet cable (~ \$8)
- Alternative: WiFi USB adapter (if you don't want to use a cable)
- Optional GSM gateway if you plan to not use Voip (~ \$200, for a Goip 4 channels)

Global price should be ~ \$200 in standard (without the GSM gateway).

Install the Raspberry with a MicroSD



1. Option with Raspbian version



First download the image disk to flash it in your MicroSD.

Follow those instruction : [Flash Image \(from raspberrypi.org\)](https://www.raspberrypi.org/documentation/computers/getting-started.html)

Use the “lite” image in order to not install the graphical interface.

Insert the flashed MicroSD and switch on your Raspberry.

The default login acces is :

- user : pi
- password : raspberry

If you want to connect you raspberry with Wifi, please follow those steps : [Configure Wifi \(from raspberrypi.org\)](#)

Once you have install the OS, connect as root a proceed a standard installation with the package :

Voxibot : [lastest Voxibot for raspbian8 packages](#)

It is a runable script that process to the installation of :

- Apache
- PHP
- Mysql
- Asterisk V11
- FreePBX V12
- Voximal V14
- picoTTS (en,fr,es,it)

2. Option with Raspbx version



A 4GB card is required. First download the image disk to flash it in your MicroSD.

Get it from : [Downloads \(from raspberry-asterisk.org\)](#)

The latest image available for download is based on Raspbian (Debian 8 / Jessie) and includes:

- Asterisk 11.21.0
- FreePBX 13.0.74
- Torrent raspbx-06-03-2016.zip.torrent
- HTTP raspbx-06-03-2016.zip
- SHA-1 38665490e4ca3771ef39623c72019737d979e988

Follow those instruction : [Flash Image \(from raspberrypi.org\)](#)

RasPBX already install Asterisk with FreePBX so you only need to complete your installation with the Voximal package :

Get it from : [lastes Voximal for Raspbian package](#)

Connect to SSH (raspbx/raspberry) to complete the installation with the Voximal installer package. The default login access is :

SSH login:

- user: root
- password: raspberry

Default FreePBX login:

- user: admin
- password: admin

```
Raspbian GNU/Linux8 raspbx tty1
```

```
raspbx login : root
```

```
Password:
```

```
Welcome to RasPBX - Asterisk for Raspberry Pi
```

```
RasPBX is based on Debian. The programs included with the Debian GNU/Linux system are free software; the exact distribution terms for each program are described in the individual files in /usr/share/doc/*/copyright.
```

```
RasPBX comes with ABSOLUTELY NO WARRANTY, to the extent permitted by applicable law.
```

```
List of RasPBX specific commands:
```

```
-----
```

```
-
```

raspbx-upgrade	Keep your system up to date with the latest add-ons and security fixes
configure-timezone	Set timezone for both system and PHP
install-fax	Install HylaFAX
add-fax-extension	Add additional fax extension for use with HylaFAX
install-fail2ban	Install Fail2Ban for additional security
install-dongle	Install GSM/3G calling capability with chan_dongle
raspbx-backup	Backup your complete system to an image file

```
Last login: Sat Mar  5 18:56:10 2016
```

Once your RasPBX has successfully booted, run this command on the console to install the latest additions and improvements:

```
root@raspbx:~# raspbx-upgrade
RasPBX upgrade tool
Run "raspbx-upgrade --help" for additional options
Base version: 06-03-2016
Installed upgrade:      21
Local upgrade available: 21
Online upgrade available: 24
Running apt-get update && apt-get dist-upgrade.
```

```
... (lot of logs...)

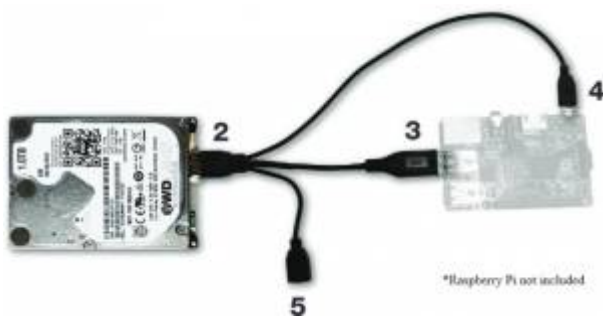
132 upgraded, 2 newly installed, 0 to remove and 0 not upgraded.
Need to get 164 MB of archives.
After this operation, 10.4 MB of additional disk space will be used.
Do you want to continue? [Y/n] y

... (installing packages...)
```

```
[root]# ./voxibot_1.x.xx_2016xxxx_0voximalxxcentos6_all.run

[root]#
```

Install the Rasberry with a WD HDD



First step is to install the berryboot installer.

Follow this steps : [Berry boot install \(from WD\)](#)

Install the Debian 8, in text only mode.

From:
<https://wiki.voximal.com/> - **Voximal documentation**

Permanent link:
https://wiki.voximal.com/doku.php?id=installation_guide:raspberry:start&rev=1473768010

Last update: **2016/09/13 12:00**

