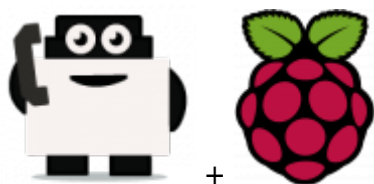


# Installation for Raspberry

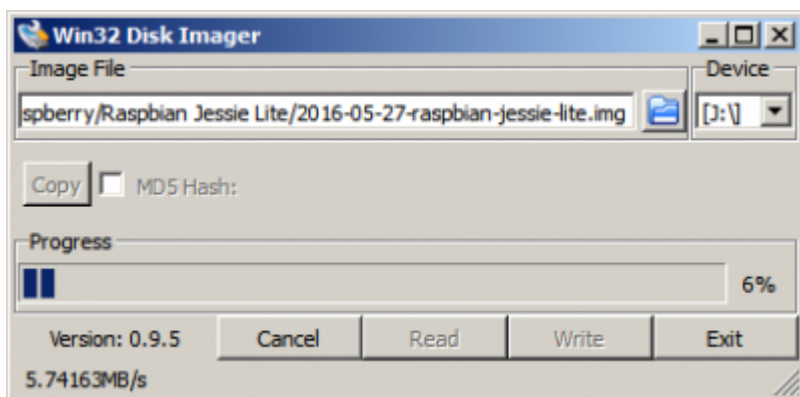


## Hardware requested

- 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 \(from raspberrypi.org\)](http://www.raspberrypi.org)

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

Insert the flashed MicroSD and switch on your Raspberry.

The default login access is :

- user : pi
- password : raspberry

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

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

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

It is a runnable script that processes 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 \(from raspberrypi-asterisk.org\)](#)

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 instructions : [Flash Image \(from raspberrypi.org\)](#)

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

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

Connect to SSH (raspbx/raspberry) to complete the installation with the Voximal installer package. The default login acces 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
```

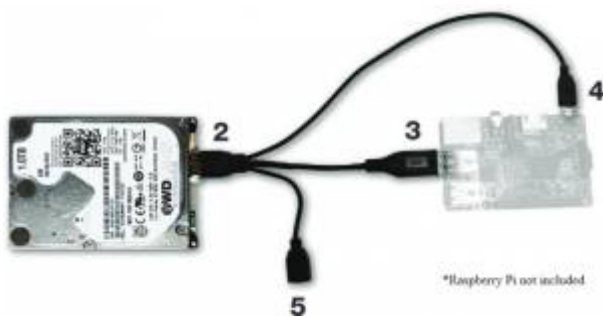
Once your RasPBX has successfully booted, run this command on the console to install the latest additions and improvements:

```
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 Raspberry 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:raspberrypi:start&rev=1473768010](https://wiki.voximal.com/doku.php?id=installation_guide:raspberrypi:start&rev=1473768010)

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

