

Install on the RasPBX



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

applicable law.

List of RasPBX specific commands:

```
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-  
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...)  
  
Setting up libraspberrypi0 (1.20160620-1) ...  
Setting up libraspberrypi-dev (1.20160620-1) ...  
Setting up libraspberrypi-doc (1.20160620-1) ...  
Setting up libraspberrypi-bin (1.20160620-1) ...  
Setting up raspbx-upgrade (1.0-43) ...  
Setting up raspi-config (20160527) ...  
Installing new version of config file /etc/init.d/raspi-config ...  
Processing triggers for initramfs-tools (0.120+deb8u2) ...  
Processing triggers for libc-bin (2.19-18+deb8u4) ...  
Processing triggers for systemd (215-17+deb8u4) ...  
Installing upgrade 22.
```

```
-----  
Fixing Asterisk startup problems in recent 2016 images  
-----
```

Installing upgrade 23.

Increasing swap size to 200MB; installing en_US locale

Generating locales (this might take a while)...

en_GB.UTF-8... done

en_US.UTF-8... done

Generation complete.

Installing upgrade 24.

1. Updating GPG keys for FreePBX

2. Enabling Apache2 rewrite module

gpg: refreshing 2 keys from hkp://pool.sks-keyservers.net

gpg: requesting key 69D2EAD9 from hkp server pool.sks-keyservers.net

gpg: requesting key B33B4659 from hkp server pool.sks-keyservers.net

gpg: key 69D2EAD9: "FreePBX Mirror 1 (Module Signing - 2014/2015)

<security@freepbx.org>" 2 new signatures

gpg: key B33B4659: "FreePBX Module Signing (This is the master key to sign FreePBX Modules) <modules@freepbx.org>" 2 new signatures

gpg: Total number processed: 2

gpg: new signatures: 4

gpg: 3 marginal(s) needed, 1 complete(s) needed, PGP trust model

gpg: depth: 0 valid: 1 signed: 1 trust: 0-, 0q, 0n, 0m, 0f, 1u

gpg: depth: 1 valid: 1 signed: 0 trust: 0-, 0q, 0n, 1m, 0f, 0u

Enabling module rewrite.

To activate the new configuration, you need to run:

service apache2 restart

Finishing RasPBX upgrades installation, installed version is now: 24

root@raspbx:~#

You can directly download the Voximal package with the wget tool :

root@raspbx:~# wget

http://downloads.voximal.com/voximal/raspbian8/armhf/latest.tar.gz

--2016-09-13 16:52:21--

http://downloads.voximal.com/voximal/raspbian8/armhf/latest.tar.gz

Resolving downloads.voximal.com (downloads.voximal.com)... 84.246.228.252, 2a02:23e0:0:4:9458:e0ff:feb7:e457

Connecting to downloads.voximal.com

(downloads.voximal.com)|84.246.228.252|:80... connected.

HTTP request sent, awaiting response... 200 OK

Length: 7819312 (7.5M) [application/x-gzip]

Saving to: 'latest.tar.gz'

latest.tar.gz 100%[=====>] 7.46M 3.34MB/s in 2.2s

2016-09-13 16:52:23 (3.34 MB/s) - 'latest.tar.gz' saved [7819312/7819312]

Untar and execute the installation script :

```
root@raspbx:~# tar xfz latest.tar.gz
root@raspbx:~# cd voximal_14.0_20160913_0voximal144raspbian8_armhf/
root@raspbx:~/voximal_14.0_20160913_0voximal144raspbian8_armhf# ./install.sh
Current Asterisk : '11.23.0.'
Module found: app_voximal.so.asterisk_v11.23.0
Asterisk 11.23.0 installed.
| core          | 13.0.57    | Enabled |
--- Voximal V14.0 Installation ---
Creating directories...
Installing binaries...
Installing a vxml sample /var/lib/voximal/helloworld.vxml
Installing default voximal.conf...
Installing libraries...
Installing app vxml for asterisk 11...
Installing sounds...
```

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

Permanent link:
https://wiki.voximal.com/doku.php?id=installation_guide:raspbx&rev=1477438096

Last update: **2016/10/25 23:28**

