

# Installation

## User Manual

RIP SOFTWARE - VERSION 11 - CALDERA 2017



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## Introduction

This manual will take you through the installation process, whether it is for an initial installation or simply for an update.

NOTE: the procedures described in this manual are either for a dedicated Debian system installation or for a macOS v10.9+. If another operating system is installed, **it will be permanently deleted**.

## Minimum hardware requirements

### For a Linux installation

A complete system matching the following hardware requirements must be dedicated to the Linux operating system and the **Caldera RIP** software:

- **System:** OS **Caldera Debian** 2.3 (APPE 3 only) or Debian "Jessie" 8.6 with MATE UI (APPE 4)
- **Processor:** Intel Core i3, i5 or i7.
- **RAM:** 4GB or 8GB (recommended). Minimum 1GB per core, recommended at least 2 GB per core.
- **HDD:** 250GB
- **Monitor / Videocard:** 1280×1024 resolution
- 3 buttons USB mouse

**Reminder, the Caldera Debian OS does not support APPE 4. Only Jessie does.**

**IMPORTANT:** Caldera doesn't provide any guarantee about installing Caldera Software on any other version of Debian than the Special Edition built for Caldera or the currently recommended official Debian, since they have not been tested. It may simply not work.

### For a macOS installation

The use of the **Caldera RIP** software is only supported on systems that are dedicated to that use. A complete system matching the following hardware requirements must be dedicated to the macOS operating system and the **Caldera RIP** Software.

The minimum recommended hardware requirements are:

- **Hardware:** Intel Core i3 ,i5 or i7 based Mac mini, iMac or Mac Pro.

**MacBook Air and MacBook Pro not supported !**

**PPC based hardware (G5, G4, ...) not supported !**

- **System:** OS 10.9+
- **RAM:** 4GB or more. Minimum 1GB per core, recommended at least 2 GB per core.
- **HDD:** 250GB
- **Monitor:** Resolution at least 1280 x 1024
- 3 button USB mouse

## Installing Caldera Debian

This chapter describes the procedures to follow in order to install the **Caldera Debian** special edition for **Caldera RIP**.

### Overview

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This version of Linux is specially designed for a new **Caldera RIP** Software installation on a 64-bit system. To ensure that your **Caldera RIP** software works properly, please only install the version of Debian Linux that comes with your package: indeed, it contains many presets and customized disk partitioning, and is easier to install than the original version.

**Reminder, the Caldera Debian OS does not support APPE 4. Only Jessie does.**

**IMPORTANT:** Caldera doesn't provide any guarantee about installing Caldera Software on any other version of Debian than the Special Edition built for Caldera or the currently recommended official Debian, since they have not been tested. It may simply not work.

### Pre-installation requirements

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Please ensure that your CPU is 64-bit compliant (AMD Athlon 64, Phenom, Intel Core 2).

Known hardware problems:

- With certain architectures, the embedded network card of the motherboard causes the Debian installation program to freeze while trying to detect the hardware. In that case, the solution is to disable the network card in the BIOS just before installing, and re-enable it just after.
- With certain architectures, the embedded USB3 controller of the motherboard causes the dongle key of **Caldera RIP** (which is USB2) to malfunction. Disabling the USB3 controller in the BIOS (permanently) solves the problem.

### Installation procedures

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Here are the steps you have to follow to perform the **Caldera Debian** installation:

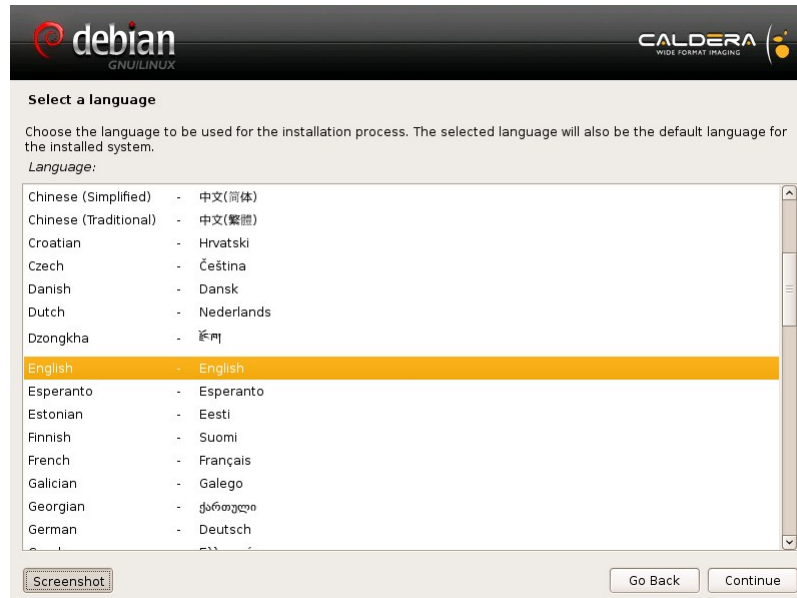
#### Boot the system

To boot the system:

1. Connect the flash drive.
2. Turn on the system.
3. Make your computer boot from the flash drive (the manipulation to select the boot unit depends on the computer used)
4. When the **Caldera Debian** installation menu shows up, you can select the graphical install option and press **Enter**.

## System language selection

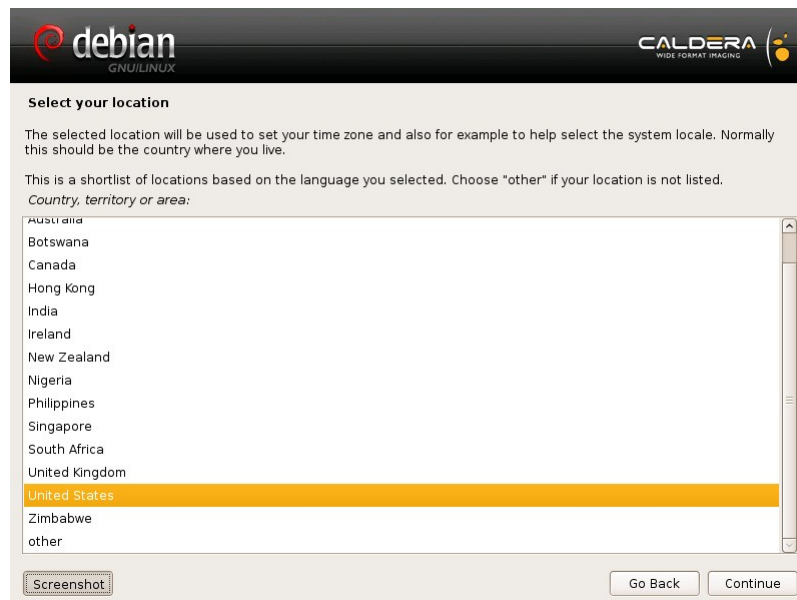
This step provides the selection of the language in which the system will be installed. Choose your language in the list then click on **Continue**.



## Location and time zone selection

Select your location and click **Continue**.

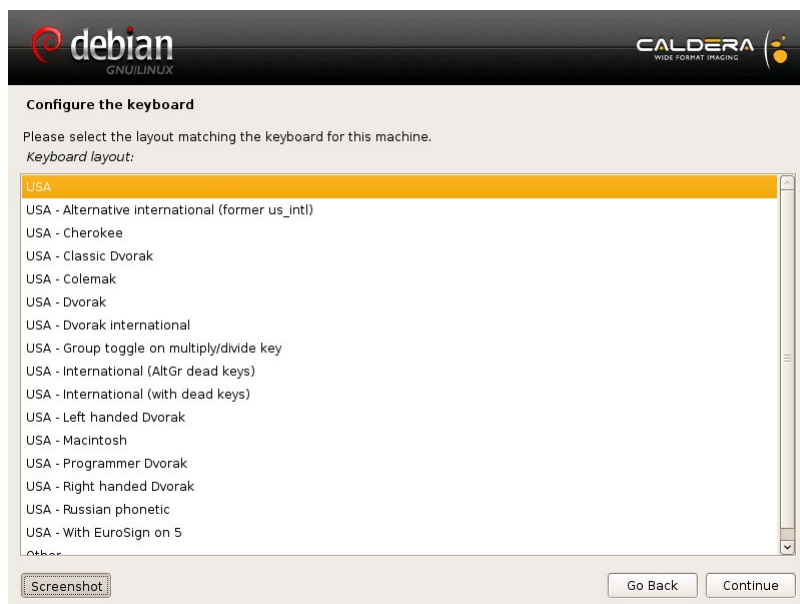
The time zone will be configured accordingly to the chosen country.



# INSTALLING CALDERA DEBIAN

## Keyboard selection

Select your keyboard layout in the list and click **Continue**.

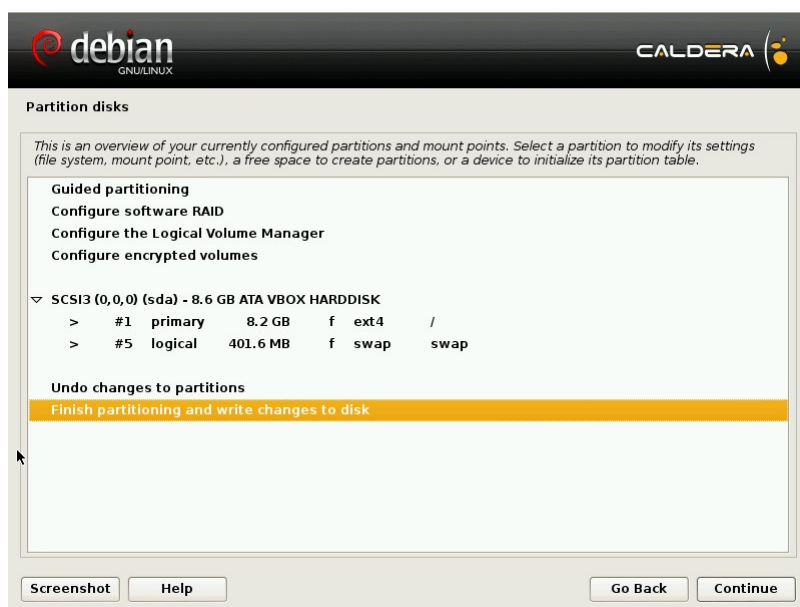


After this screen, you may also have to specify your time zone in order to set the clock.

## Partition disks

This screen shows you an overview of your currently configured partitions and mount points. If you want to change it, select one of the partitions. You can also just pass to the next step by clicking **Continue**.

This is for versions 2.0 and 2.1 only.



## Finalizing the installation

After this step the system will automatically install all the needed packages.

The installation can take quite a while, please wait until it tells you to remove the flash drive and to restart the computer.

Once the computer has rebooted, you can now log in the Caldera User account (default password is "caldera") to continue with the RIP installation.

## Installing Debian "Jessie"

This chapter describes the procedures to follow in order to install the Debian Jessie.

**Reminder, the Caldera Debian OS does not support APPE 4. Only Jessie does.**

**IMPORTANT:** Caldera doesn't provide any guarantee about installing Caldera Software on any other version of Debian than the Special Edition built for Caldera or the currently recommended official Debian, since they have not been tested. It may simply not work.

## Installation procedures

Here are the steps you have to follow to install a **Debian Jessie** with the **MATE** UI:

Be careful, if there is a risk of your internet connection to be weak or nonexistent during the installation of **Caldera RIP** software, we recommend to shut it down completely (by unplugging the RJ45 cable for example).

### Boot the system

To boot the system:

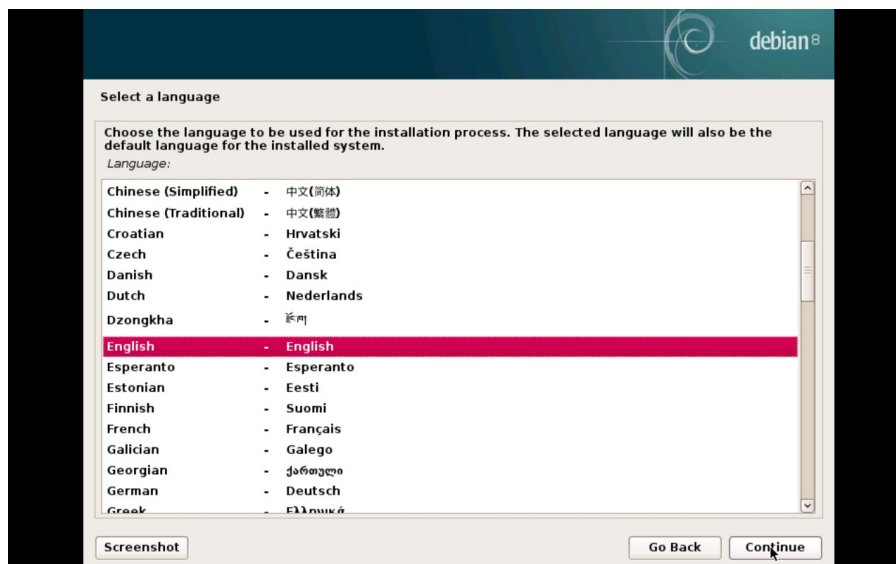
1. Connect the flash drive.
2. Turn on the system.
3. Make your computer boot from the flash drive (the manipulation to select the boot unit depends on the computer used)
4. When the installation menu shows up, select the graphical install option and press **Enter**.



# INSTALLING DEBIAN "JESSIE"

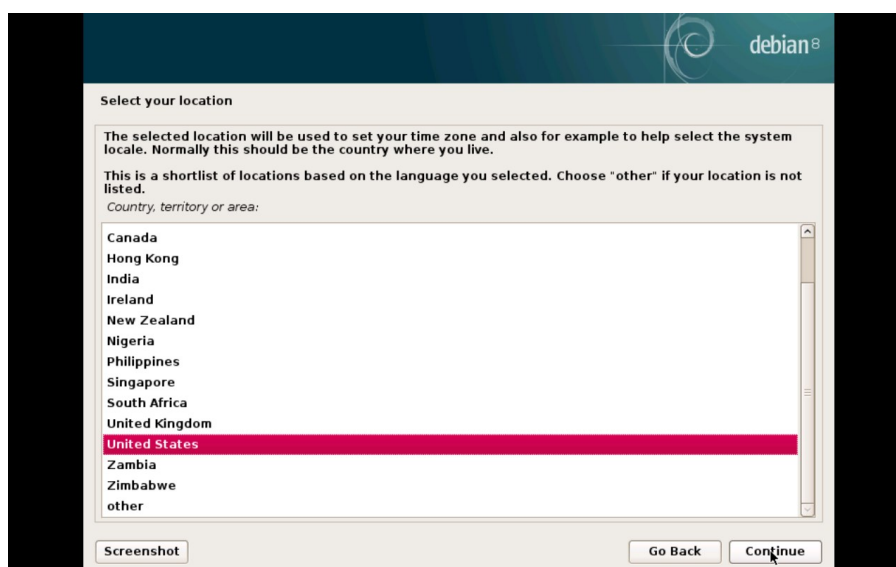
## System language selection

The second step consists in selecting the language in which the system will be installed. Choose your language in the list then click on ***Continue***.



## Location

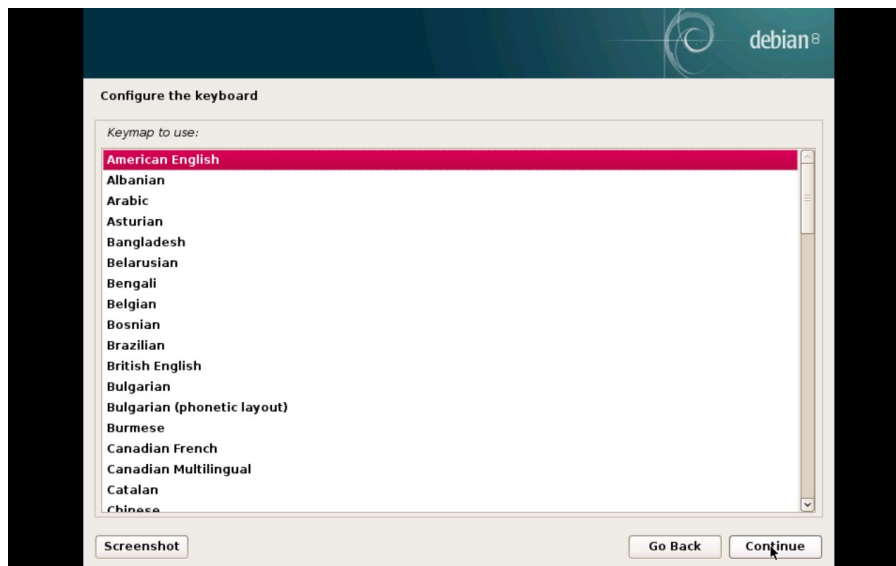
Select your location and click on ***Continue***.





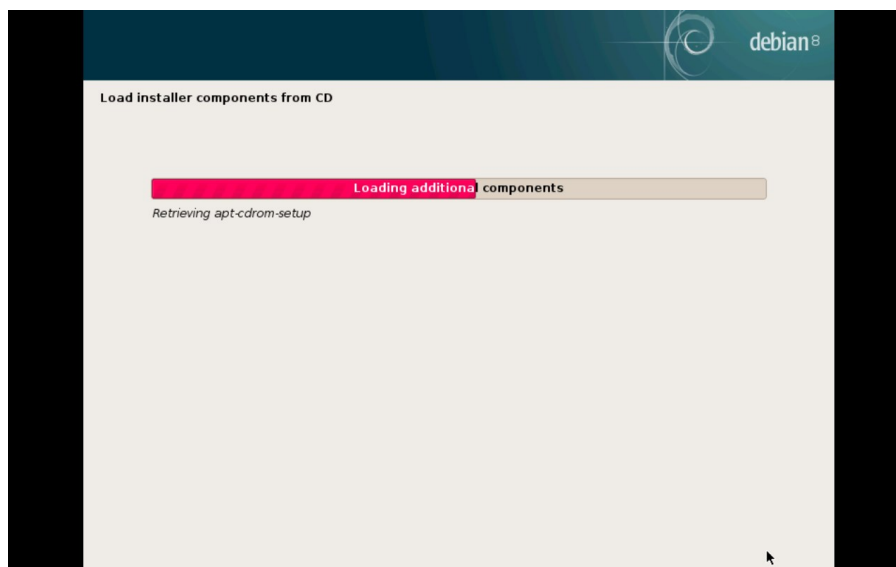
## Keyboard selection

Select your keyboard layout in the list and click on **Continue**.



## Loading Components

Then the system starts loading components. Please wait for the completion.



# INSTALLING DEBIAN "JESSIE"

## Computer name selection

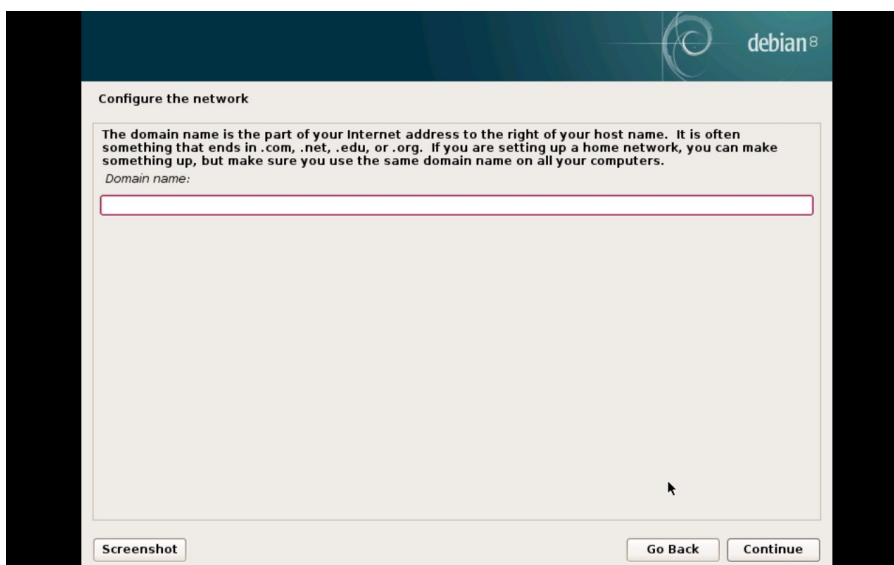
If you configure the network, please provide a **hostname** for your computer here then click on **Continue**.



The image shows a window titled "Configure the network" from the Debian 8 installer. It contains instructions for entering a hostname. The text reads: "Please enter the hostname for this system. The hostname is a single word that identifies your system to the network. If you don't know what your hostname should be, consult your network administrator. If you are setting up your own home network, you can make something up here." Below this, there is a label "Hostname:" followed by a text input field containing the text "caldera-jessie". At the bottom of the window, there are three buttons: "Screenshot", "Go Back", and "Continue". A mouse cursor is pointing at the "Continue" button.

## Domain name selection

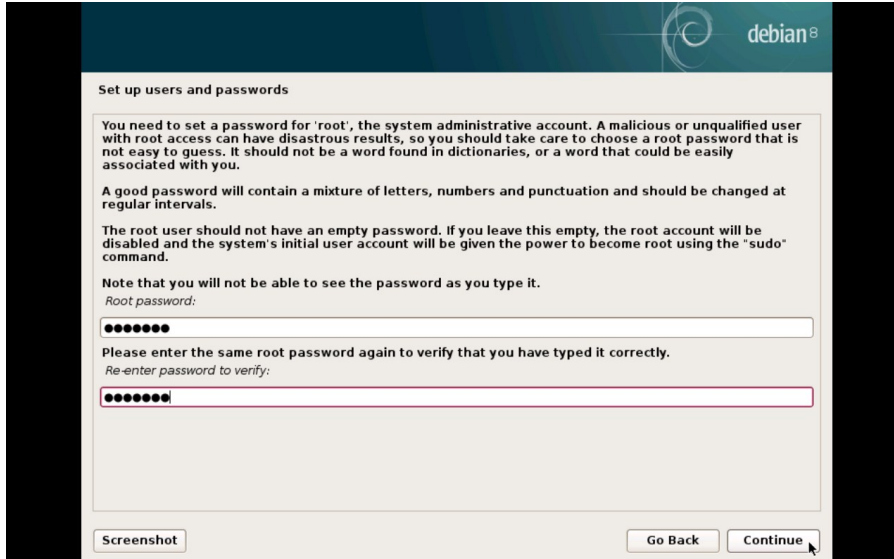
You can let the domain name blank (if you are installing without Internet) or leave the name given by the automatic network detection.



The image shows a window titled "Configure the network" from the Debian 8 installer. It contains instructions for entering a domain name. The text reads: "The domain name is the part of your Internet address to the right of your host name. It is often something that ends in .com, .net, .edu, or .org. If you are setting up a home network, you can make something up, but make sure you use the same domain name on all your computers." Below this, there is a label "Domain name:" followed by an empty text input field. At the bottom of the window, there are three buttons: "Screenshot", "Go Back", and "Continue". A mouse cursor is pointing at the "Continue" button.

## Root password

Set a root password. We recommend you to use **caldera** as it will be easier for **Support** in case you need help in the future. Then click on **Continue**.

The image shows a Debian installer window titled "Set up users and passwords". It contains instructions for setting a root password, emphasizing that it should be strong and not found in dictionaries. Below the text, there are two password input fields: the first is labeled "Root password:" and the second is labeled "Re-enter password to verify:". Both fields are currently filled with dots. At the bottom of the window, there are three buttons: "Screenshot", "Go Back", and "Continue". A mouse cursor is pointing at the "Continue" button.

Set up users and passwords

You need to set a password for 'root', the system administrative account. A malicious or unqualified user with root access can have disastrous results, so you should take care to choose a root password that is not easy to guess. It should not be a word found in dictionaries, or a word that could be easily associated with you.

A good password will contain a mixture of letters, numbers and punctuation and should be changed at regular intervals.

The root user should not have an empty password. If you leave this empty, the root account will be disabled and the system's initial user account will be given the power to become root using the "sudo" command.

Note that you will not be able to see the password as you type it.

Root password:

●●●●●●

Please enter the same root password again to verify that you have typed it correctly.

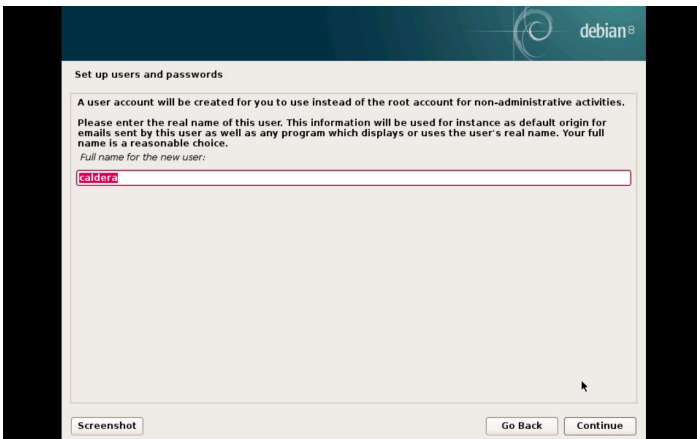
Re-enter password to verify:

●●●●●●

Screenshot Go Back Continue

## Username and password

Define your user and set its password and click on **Continue** each time.

The image shows a Debian installer window titled "Set up users and passwords". It contains instructions for creating a new user account, stating that the user's real name will be used for email and program identification. Below the text, there is a single input field labeled "Full name for the new user:". The field contains the text "caldera". At the bottom of the window, there are three buttons: "Screenshot", "Go Back", and "Continue".

Set up users and passwords

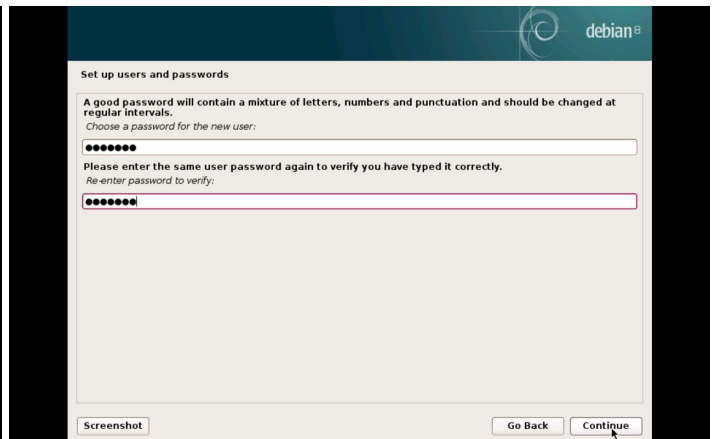
A user account will be created for you to use instead of the root account for non-administrative activities.

Please enter the real name of this user. This information will be used for instance as default origin for emails sent by this user as well as any program which displays or uses the user's real name. Your full name is a reasonable choice.

Full name for the new user:

caldera

Screenshot Go Back Continue

The image shows a Debian installer window titled "Set up users and passwords". It contains instructions for setting a password for the new user, stating that it should be strong and changed regularly. Below the text, there are two password input fields: the first is labeled "Choose a password for the new user:" and the second is labeled "Re-enter password to verify:". Both fields are currently filled with dots. At the bottom of the window, there are three buttons: "Screenshot", "Go Back", and "Continue". A mouse cursor is pointing at the "Continue" button.

Set up users and passwords

A good password will contain a mixture of letters, numbers and punctuation and should be changed at regular intervals.

Choose a password for the new user:

●●●●●●

Please enter the same user password again to verify you have typed it correctly.

Re-enter password to verify:

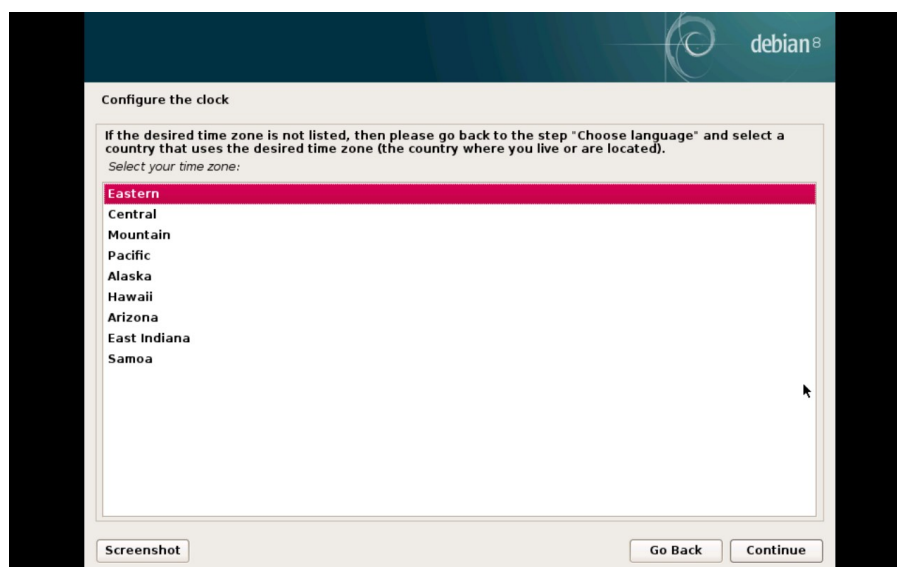
●●●●●●

Screenshot Go Back Continue

# INSTALLING DEBIAN "JESSIE"

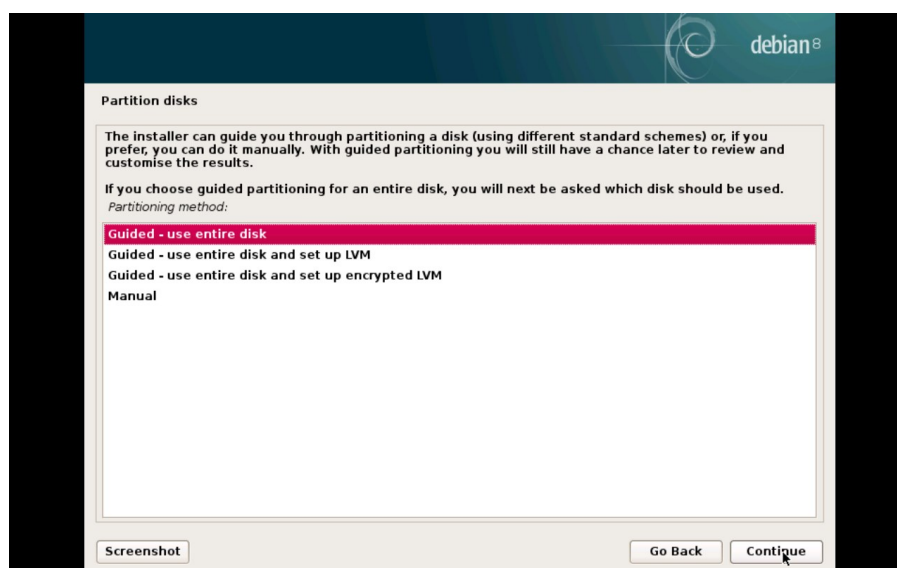
## Timezone

Select your timezone and click on *Continue*.



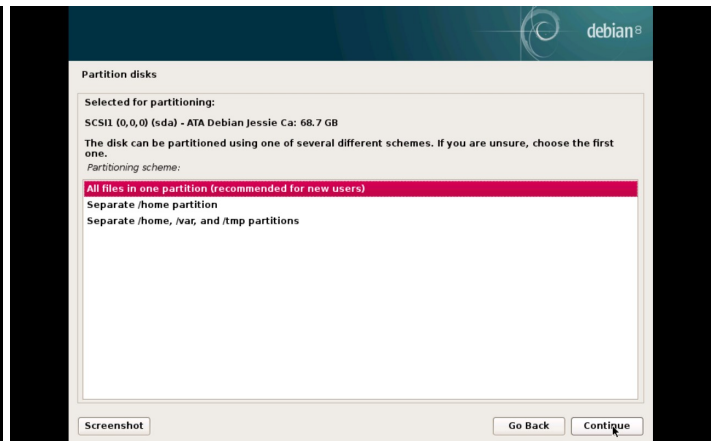
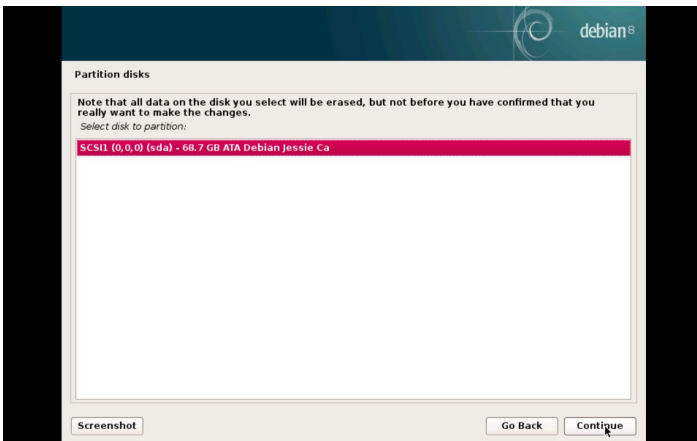
## Partitioning

Choose how much space of the HDD will be used for the OS and click on *Continue*.

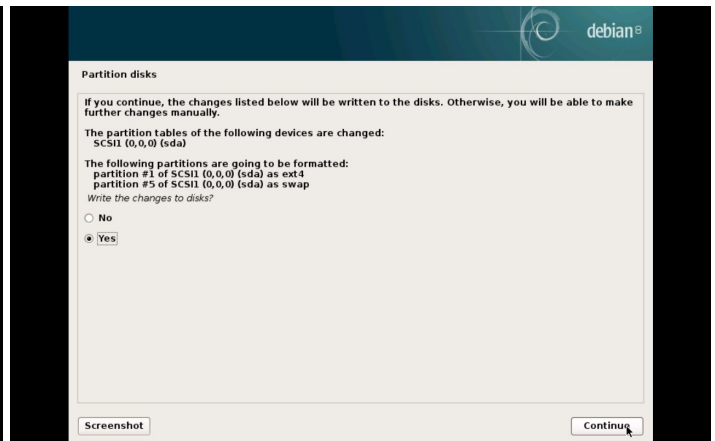
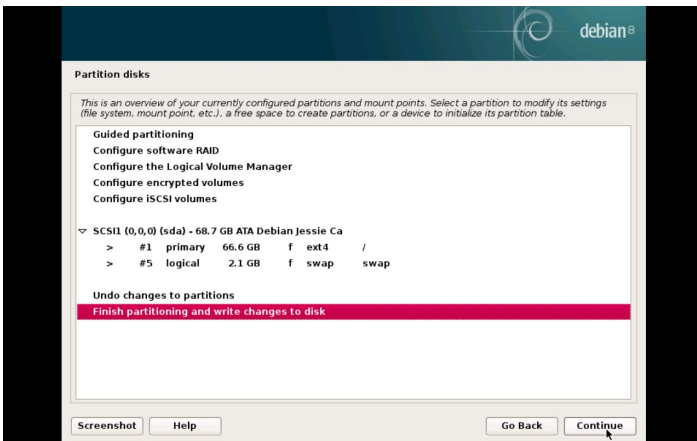


# INSTALLATION

Then select the disk partition, the partition scheme.

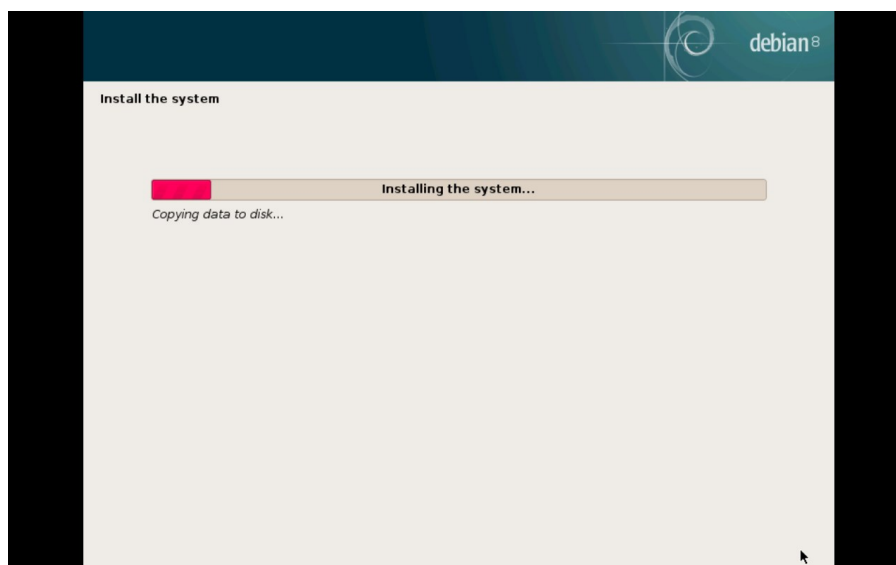


Confirm the partitioning twice.



## Install

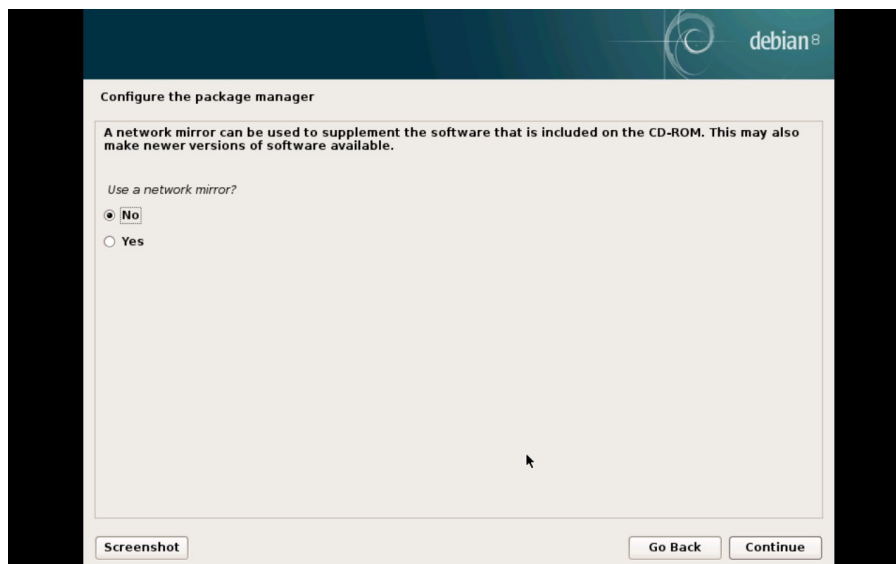
Then the system starts installing. Please wait for the completion.



# INSTALLING DEBIAN "JESSIE"

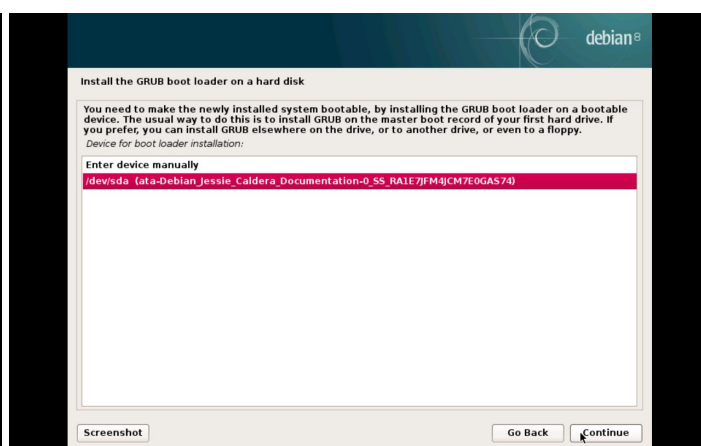
## Network mirror

If you are performing an installation without Internet and /or if the installation of the **Caldera RIP** software will be performed on a workspace without a good Internet connection, check **No** and click on **Continue**.



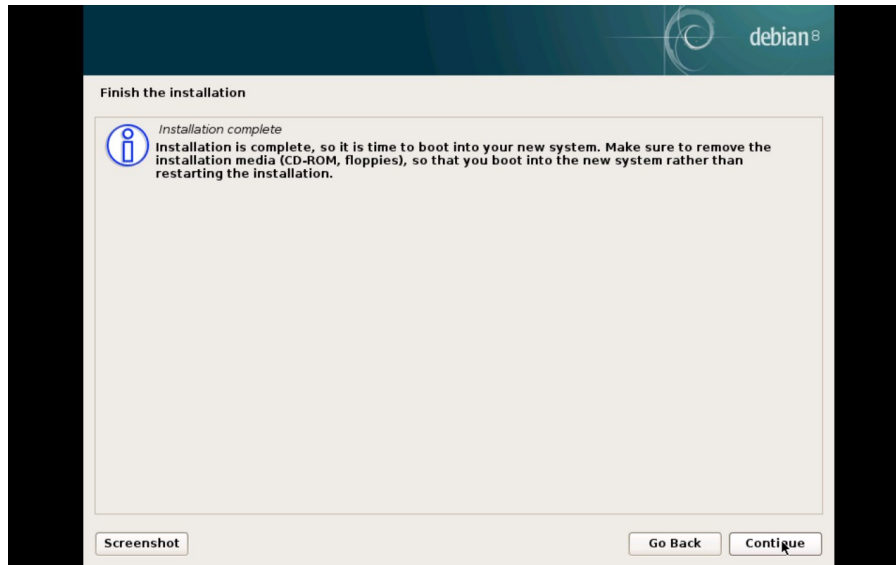
## GRUB Boot Loader

Then install the **GRUB Boot Loader** on the hard disk.



## Reboot

Finally, reboot the workstation.



## Caldera Support Tools Page

You can find on **Caldera** website, a specific page where you can download and install extra packages for Debian 8.6 Jessie:

<http://www.caldera.com/support/tools/>

Follow the instruction listed on the page to install every package.

### **Caldera Mount ISO**

**Mount ISO** is a small tool that allows you to mount an ISO image as a DVD drive. We recommend you to install and use it for **Caldera RIP** installation without the USB key.

1. Download Caldera Mount ISO (Click on Save File)
2. Once saved, right-click, on the zip file, and select "Extract here"
3. Browse to the created Sub-folder
4. Double-click on Install

### HowTo use it

1. Open a File explorer.
2. Right-click on an Iso file and select « Open with Mount Iso ».
3. Enter the admin password.
4. Your Iso image should be mounted and available.

## Installing the Caldera RIP software

The installation program can be run either in *Simple* or in *Advanced* mode.

The *Simple* mode uses predefined default values for most configuration options. Nevertheless, it lets you choose products, printers and cutters to install.

The *Advanced* mode allows you to configure more options, such as the installation directory and the license server

NOTE: When a procedure is part of the *Advanced* installation only, you will be warned about it, and invited to jump to the next step directly.

## Software Installation Instructions

### Start installation

NOTE: Whether you are running a macOS or a Linux operating system, this installation will follow almost the same procedure. You will however be warned each time a difference is encountered.

#### On Debian

1. Plug the installation flash drive.
2. Select the CALDERA\_110 drive and display its content.
3. Double-Click on the **Install** icon

**BE CAREFUL: Do not click the one named CalderaInstall.app.**

4. The installation program should start.

NOTE: if a window with label "**Granted permissions without asking for password**" pops up, click "**Do not display this message again**" and then **Close**.

5. If you are running the **Caldera Debian** OS, the following message will appear to inform you that you will be able to run APPE 3 only.



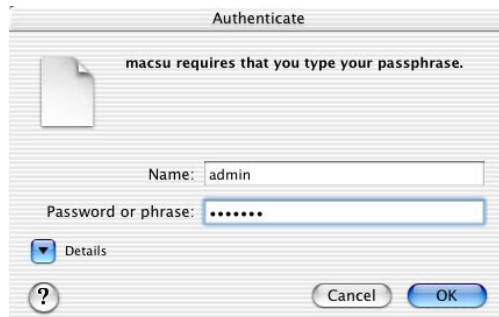
#### On a macOS

1. Log onto your Mac workstation.
2. Insert the installation flash drive.
3. Select the CALDERA\_110 drive and display its content
4. Double-click the **Caldera Install** icon.





5. Enter your administrator name and password for your Mac when prompted. You will need to enter your credentials again later during the installation process so keep the information nearby.



If you do not have an X11 server installed, it will be installed now. This process may last a few seconds. The installation wizard will then open.

## Language Selection

In the *Language Selection* window, choose which language you want **Caldera RIP** software to display. Then click **Select**.



# INSTALLING THE CALDERA RIP SOFTWARE

## Installation Steps

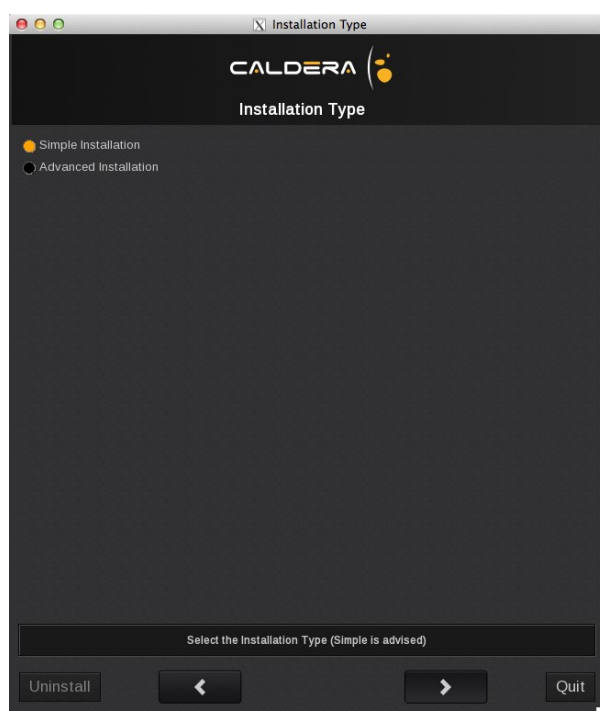
Follow the onscreen prompts to install the software. Click the right arrow **Next** button to continue the installation. Click the left arrow **Previous** button to return to the previous screen.



## Installation Type

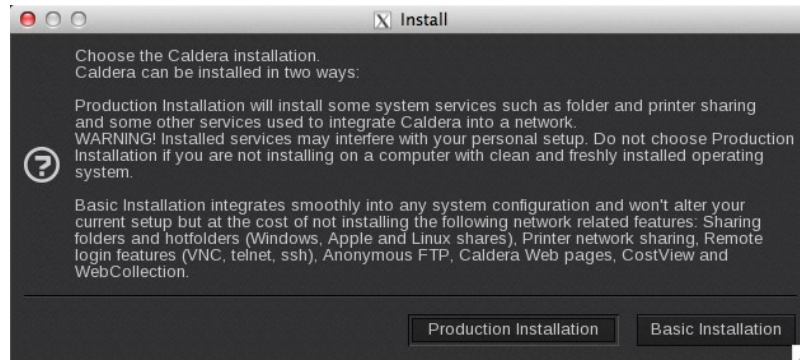
In the *Installation Type* window, choose your installation type. Then click **Next** to continue.

We recommend that you select the **Simple** Installation. The **Advanced** Installation is used when the key server is located on a separate workstation and when advanced customization is required for system services.



## Configure System Services

These services are used by **Caldera RIP** software for integration into a network environment. For a simple installation, select **Production Installation** if you are using a system dedicated to **Caldera RIP** only, otherwise, select **Basic Installation**.

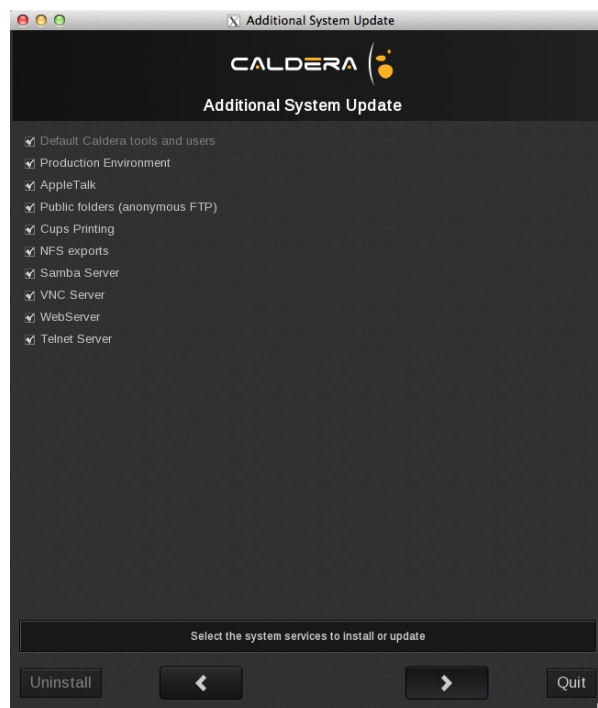


## System services selection (Advanced)

For an advanced installation, select your system services from the *Additional System Update* window. Please note that by selecting the systems below, you may affect previous configurations. This usually is the case when installing on existing systems that are already in use.

Depending on your operating system, the services shown in the following screenshot may differ from those you will see on your screen while performing the installation. The screenshot below is from a macOS 10.9 operating system.

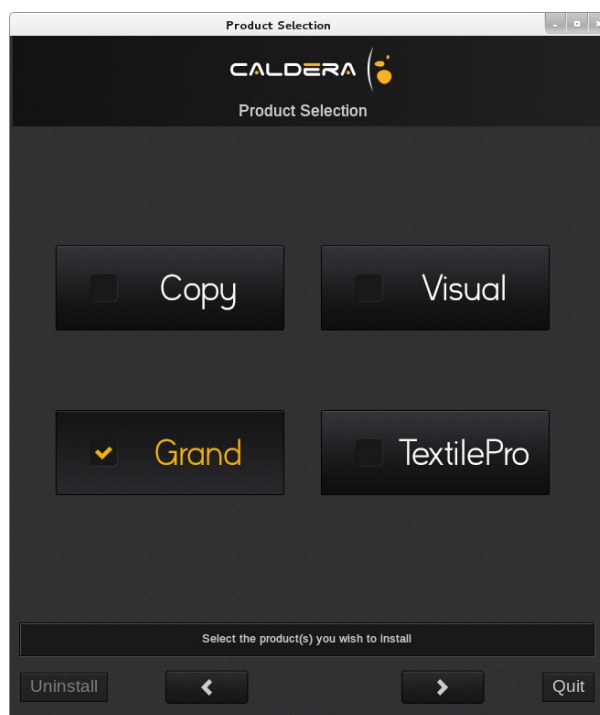
Once you have made your selection(s), click **Next** to continue the installation.



# INSTALLING THE CALDERA RIP SOFTWARE

## Product Selection

Highlight the product(s) that you want to install. Click **Next** to continue.



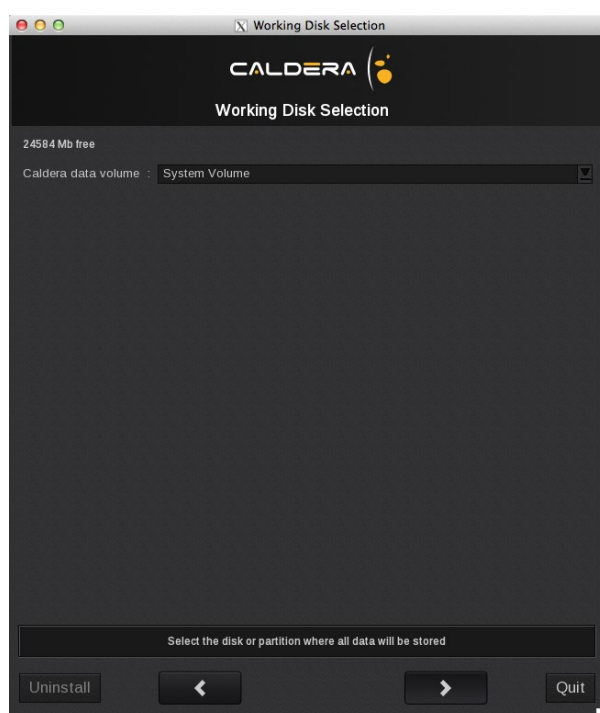
## Advanced Configuration

The following steps should be followed for the Advanced installation only.

### **On macOS:**

In case your system has multiple partitions or disks, you can put all data on a disk, called Volume, separated from the system. This is highly recommended. Choose the volume that you wish to use for your **Caldera RIP** data, and click **Next**.

A default directory will be selected.



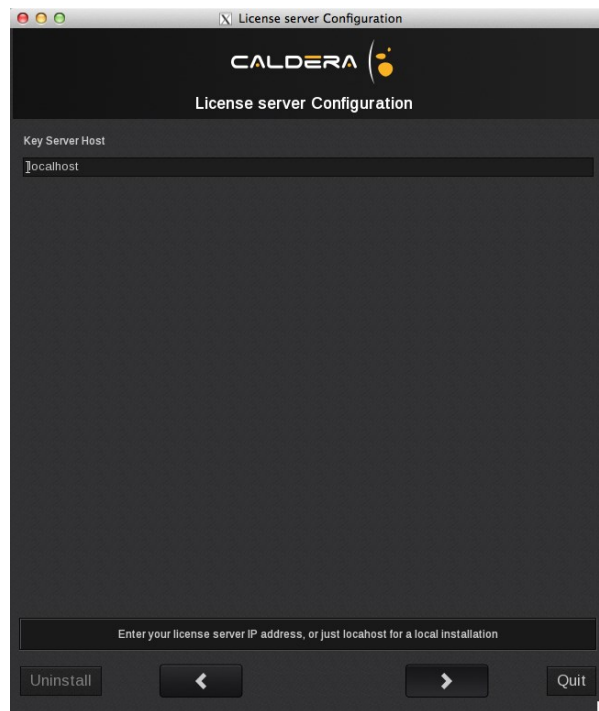
# INSTALLATION

## On Linux:

Set up the installation directory (the place where all Caldera executables and data will be written) and the temporary directory (the place where all temporary data will be written when the software is running). Then click on **Next**.

## On both

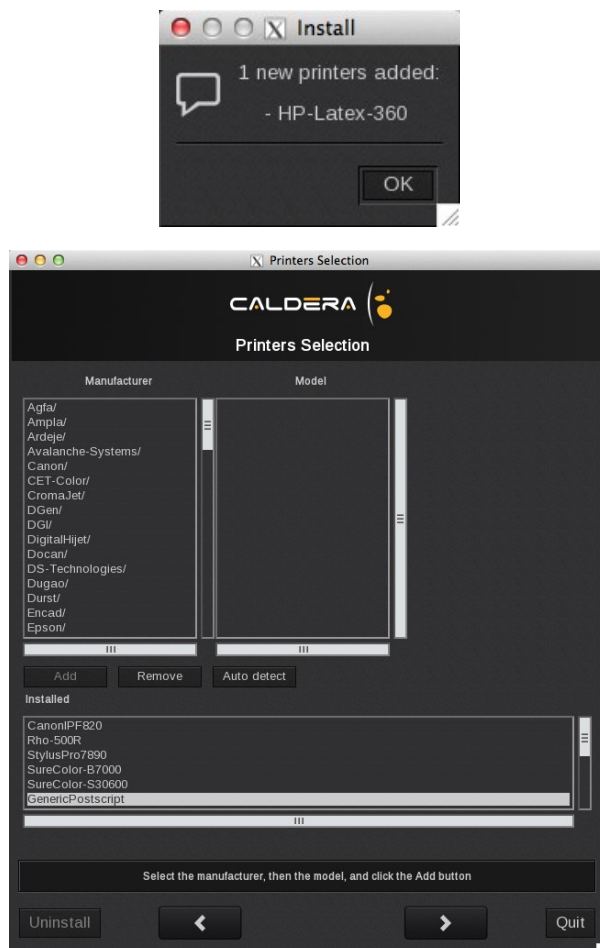
In the **Key Server Host field**, set up the name or the IP address of the machine that will act as your key server. Type *localhost* for a local key server and click on **Next**.



# INSTALLING THE CALDERA RIP SOFTWARE

## Printer Selection

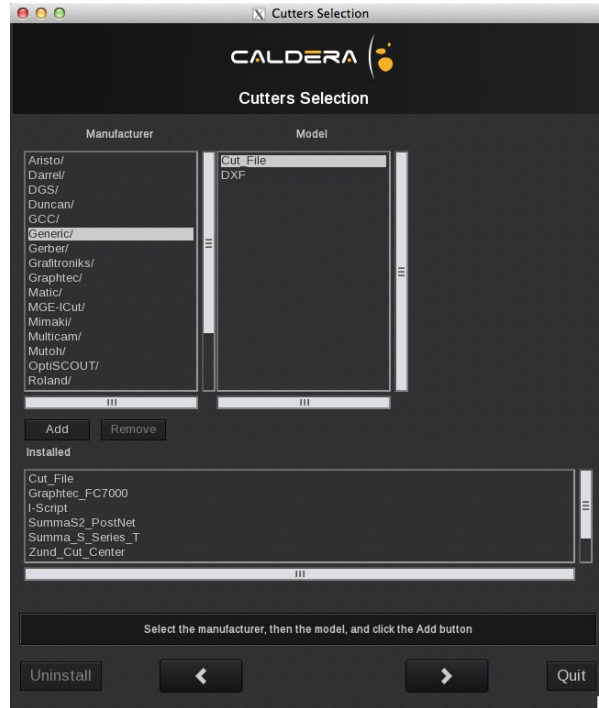
To install the printer driver, select the printer(s) you want to install from the list in the *Printers Selection* window and click **Add**. To remove a printer from the **Installed** list, select the printer from the **Installed** list and then click **Remove**. Click **Auto detect** to automatically detect the printers available on your network. These printers will appear in the **Installed** list. You can add additional printers as long as they appear on the list. Then click **Next**.



## Cutters selection

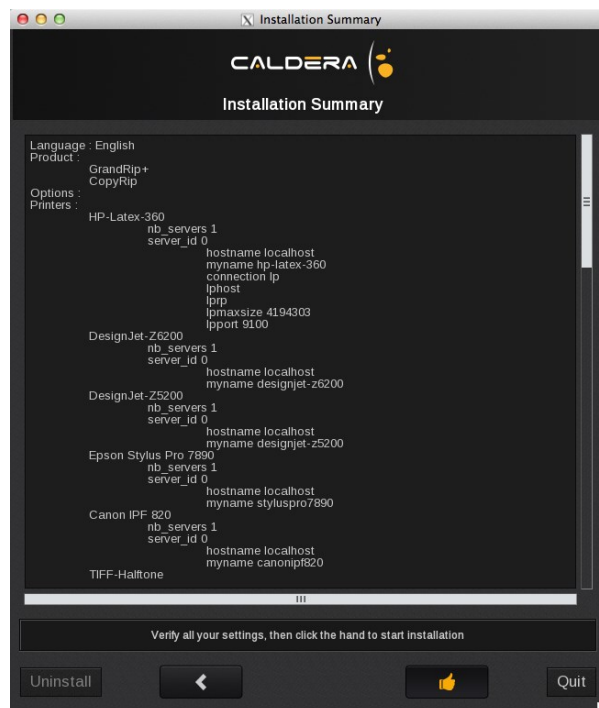
In the *Cutters Selection* window, you can select which cutter drivers to install. The process is similar to the printers selection steps.

Select your cutters then click **Next**.



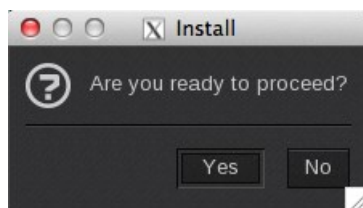
## Summary screen

This window shows a summary of the devices and options you have selected. Confirm your selection then click the thumb icon to install.



# INSTALLING THE CALDERA RIP SOFTWARE

The following message will appear. Click **Yes**.



The installation program will then copy the required files to the disk. Please wait until it is finished.

## Finishing the installation

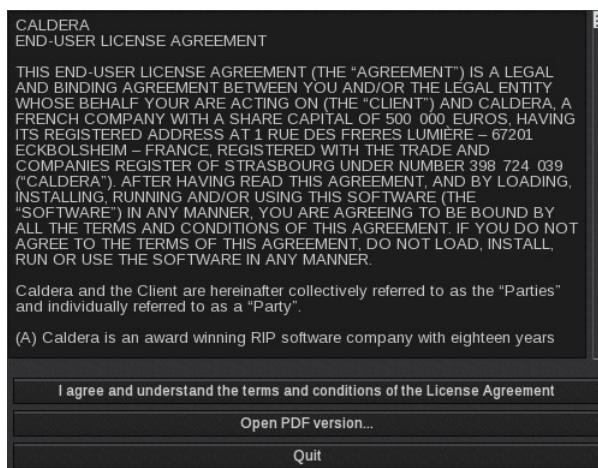
When the installation is complete, click **OK**.



You will be prompted to restart the software.

## First Caldera boot

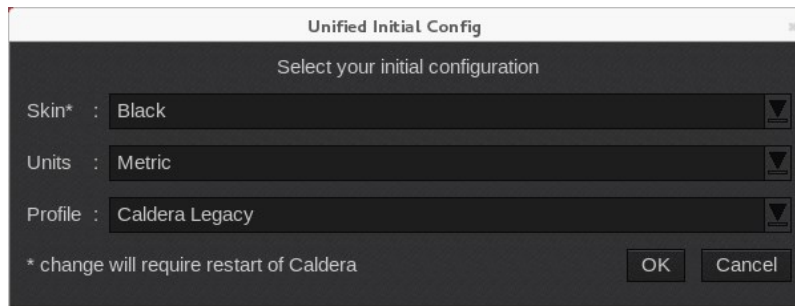
The first time you run **Caldera RIP** after the installation, you will be asked to agree the License.



Read the document, you can **open a PDF version** of this agreement for a better readability. Then click on ***I agree and understand the terms and conditions of the License Agreement*** unless the software will not open. This operation is only done once.



## Select the initial configuration



Right after the **License Agreement**, **Caldera RIP** opens and you are asked to setup your initial configuration:

- Choose your **Skin** between the **Black** or the **Grey** one
- Select the **Units** system between **Metric** and **Imperial**
- Select the default Color Configuration **Profile**.

If you select anything different from the default configuration, you will need to restart the **Caldera RIP** software for your choices to be applied.

## Appendix – Registration & Licensing

This appendix provides procedures to register your **Caldera RIP** software and to activate your license keys.

### Registration

Registration occurs after the **Caldera RIP** software is installed. After installation, the installer must perform the following tasks:

1. Complete the registration form located on the **Caldera Usernet** (<http://www.usernet.caldera.com>).

To register, you will need the following information:

- The product access number that was provided with the software
- The serial number of the dongle, or the HostID number of the computer
- Necessary end user information (name, address...)
- A valid e-mail address. This address will be used to send you keys, software updates, and so on. Please fill in the mandatory fields accordingly.

NOTE: Be aware that the information you provide will be used to send you keys, software updates, etc.

**Therefore, please try to fill in all the information fields.**

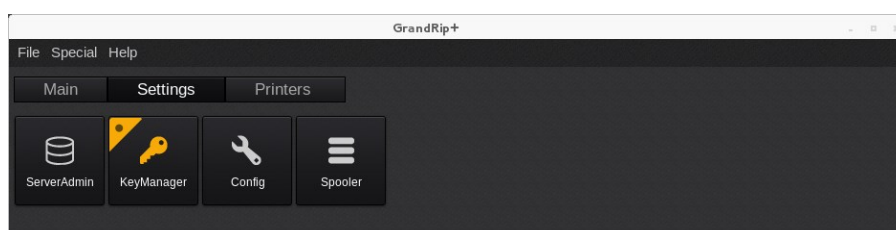
After you register, you will receive confirmation via e-mail summarizing the information you have provided.

2. You will then be able to download your key from our Usernet.

This key is a file that you must insert into your system. Your key remains valid for 60 days. This 60-day time period is your warranty period. When you contact the Caldera support, remember to always give your product access number.

### Software License Key Installation

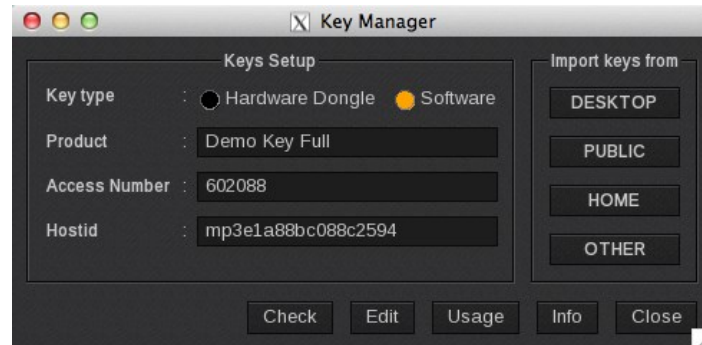
1. Plug your dongle into your workstation in a USB port.
2. Open **Caldera RIP** software by double-clicking on its icon on the Desktop.
3. In the **ApplicationBar**, click on the **KeyManager** module.
  - From a VisualRIP, GrandRIP or TextilePRO product: Double-click the **KeyManager** icon in the **Settings** Tab.



- From CopyRIP: Click the **Settings** button, then the **Advanced Settings** button, and finally the **Key Manager** button.
4. In the **KeyManager** window browse to find your license key by selecting an option in the **Import keys from** section.

5. If the license key file was saved in a different directory than shown in the shortcuts below, click **OTHER** to locate the file. Then click **Load**.

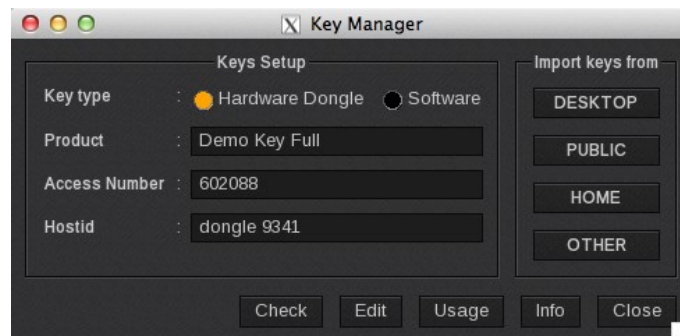
As previously mentioned it is important to leave the software license key file compressed, i.e. with its [.txt.gz] format.



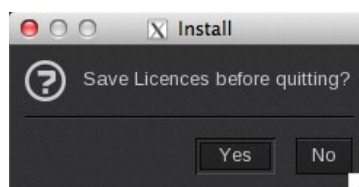
6. The following window appears once the software license key has been loaded. Click **OK**.



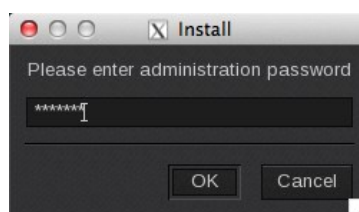
7. Exit the *Key Manager* window by clicking **Close**.



8. Another window then appears, with the following message. To save the license, click **Yes**.

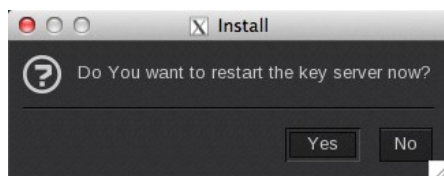


9. The following window prompts you to enter your **Caldera RIP** administration password. Enter the password **caldera** and click **OK**.



# APPENDIX – REGISTRATION & LICENSING

10. Click **Yes** to restart the key server then **OK** to confirm the restart and **OK** once more.



Within 10 to 12 days before the end of your warranty period, you will receive a final key that you will also have to download. When you receive this final key, use the same procedure as previously described to import it into your system.

The software will work in demonstration mode which is when a license key is not loaded onto the software. However the output preview will be watermarked, you will not be able to perform an actual print and several messages will appear prompting you to load the software license key.

Share your Caldera experience and discover our online help on:  
[calderadesk.caldera.com](https://calderadesk.caldera.com)

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