Installation with DrakX

The Official Documentation for Mageia



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This manual was produced with the help of the <u>Calenco CMS</u> [http:// www.calenco.com] developed by <u>NeoDoc</u> [http://www.neodoc.biz].

It was written by volunteers in their free time. Please contact <u>Documentation Team</u> [https:// wiki.mageia.org/en/Documentation_team], if you would like to help improve this manual.

Installation with DrakX

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Installation with DrakX



No one will see all the installer screens that you see in this manual. Which screens you will see, depends on your hardware and the choices you make while installing.

1. Select and use ISOs

1.1. Media

1.1.1. Definition

Here, a medium (plural: media) is an ISO image file that allows you to install and/or update Mageia and by extension any physical support the ISO file is copied to.

You can find them here [http://www.mageia.org/en/downloads/].

1.1.2. Classical installation media

1.1.2.1. Common features

- These ISOs use the traditional installer called drakx.
- They are able to make a clean install or an update from previous releases.

1.1.2.2. DVD

- Different media for architecture 32 or 64 bits.
- Some tools are available in the Welcome screen: Rescue System, Memory Test, Hardware Detection Tool.
- Each DVD contains many available desktop environments and languages.
- You'll be given the choice during the installation to add non free software.

1.1.2.3. DVD dual arch

- Both architectures are present on the same medium, the choice is made automatically according to the detected CPU.
- Uses Xfce desktop only.
- Not all languages are available. (be, bg, ca, de, en, es, fr, it, mk, pl, pt, ru, sv, uk) TO BE CHECKED!
- It contains non free software.

1.1.3. Live media

1.1.3.1. Common features

- Can be used to preview the distribution without installing it on a HDD, and optionally install Mageia on to your HDD.
- Each ISO contains only one desktop environment (KDE or GNOME).
- Different media for 32 or 64 bit architectures.
- Live ISOs can only be used to create clean installations, they cannot be used to upgrade from previous releases.

• They contain non free software.

1.1.3.2. Live CD KDE

- KDE desktop environment only.
- English language only.
- 32 bit only.

1.1.3.3. Live CD GNOME

- GNOME desktop environment only.
- English language only.
- 32 bit only.

1.1.3.4. Live DVD KDE

- KDE desktop environment only.
- All languages are present.
- Different media for 32 or 64 bit architectures.

1.1.3.5. Live DVD GNOME

- GNOME desktop environment only.
- All languages are present.
- Different media for 32 or 64 bit architectures.

1.1.4. Boot-only CD media

1.1.4.1. Common features

- Each one is a small image that contains no more than that which is needed to start the drakx installer and find drakx-installer-stage2 and other packages that are needed to continue and complete the install. These packages may be on the PC hard disk, on a local drive, on a local network or on the Internet.
- These media are very light (less than 100 MB) and are convenient when bandwidth is too low to download a full DVD, a PC without a DVD drive or a PC that can't boot from a USB stick.
- Different media for 32 or 64 bit architectures.
- English language only.

1.1.4.2. boot.iso

• Contains only free software, for those people who refuse to use non-free software.

1.1.4.3. boot-nonfree.iso

• Contains non-free software (mostly drivers, codecs...) for people who need it.

1.2. Downloading and Checking Media

1.2.1. Downloading

Once you have chosen your ISO file, you can download it using either http or BitTorrent. In both cases, a window gives you some information, such as the mirror in use and the possibility to change if the bandwidth is to low. If http is chosen, you may also see something like

Ö mageja	About us	Downloads	Support	Wiki	Docs	Community	Contribute	Donate	You	Contact	English	~
Download Ma	geia 4 64	bit DVD										
Y	our download of ere.	Mageia 4 64bit D	VD should sta	rt within a f	few seconds	s (download size is	s about 3.6 GB).	If the downlo	ad does no	t start, click		
A	s soon as your down \$ nd5sun Nageta 558ecab2678cb8ae	load is complete, you si 4-x86_64-DVD.1so 9db63216cf7484df	nould check that t	he signatures i	match:							
r r	s sha1sun Hageta 9b92024e4ae0b4d4 signatures do not ma ur IP address is 83.	-4 - x8a - 64 - DVD - 1so a122b9f8dd9d4c6a97c atch, DO NOT use this IS 158.180.245 and you se	7b674 50. Double-check em to be In FR, E	and try to down	nioad again.						•	
						The makir possible b	ng and the distrib ry all the people	oution of Mag	eia worldwid ions that m	e is made irror our softwa	are	
			_			Want to h	elp? Join Us!	aroware, nost	ing and moi	e.		
	Follow @mage	la_org {2,900 followe	5		8+1	{ 2.9k						

md5sum and sha1sum are tools to check the ISO integrity. Use only one of them. Both hexadecimal numbers have been calculated by an algorithm from the file to be downloaded. When you ask these algorithms to recalculate this number from your downloaded file, either you have the same number and your downloaded file is correct, or the number is different and you have a failure. A failure infers that you should retry the download. Then this window appears:

ی 😉	Opening Mageia-4-x86_64-DVD.iso 💿 📀 🔇
You have cho	sen to open:
G Mageia which is: from: ftp	-4-x86_64-DVD.iso image CD brute (3.6 GB) p://ftp.uni-erlangen.de
What shoul	d Firefox do with this file?
<u>O</u> per	with K3b (default)
• <u>S</u> ave	File
🗌 Do th	is <u>a</u> utomatically for files like this from now on.
	🕜 Cancel 🛛 🖌 OK

Check the radio button Save File.

1.2.2. Checking the downloaded media integrity

Open a console, no need to be root, and:

- To use md5sum, type: [sam@localhost] md5sum path/to/the/image/file.iso.
- To use shalsum, type: [sam@localhost]\$ shalsum path/to/the/image/file.iso.

and compare the obtained number on your computer (you may have to wait for a while) with the number given by Mageia. Example:

am5@localhost ~]\$ md5sum /home/sam5/Downloads/Mageia-4-RC-x86_64-DVD.iso 1ce42c4b003b5e9bea6911968195c8 /home/sam5/Downloads/Mageia-4-RC-x86 64-DVD.is	0
sam5@localhost ~]\$	

1.3. Burn or dump the ISO

The checked ISO can now be burned to a CD or DVD or dumped to a USB stick. These operations are not a simple copy and aim to make a boot-able medium.

1.3.1. Burning the ISO to a CD/DVD

Use whatever burner you wish but ensure the burning device is set correctly to **burn an image**, burn data or files is not correct. There is more information in <u>the Mageia wiki</u> [https://wiki.mageia.org/en/Writing_CD_and_DVD_images].

1.3.2. Dump the ISO to a USB stick

All Mageia ISOs are hybrids, which means you can 'dump' them to a USB stick and then use it to boot and install the system.



"dumping" an image onto a flash device destroys any previous file-system on the device; any other data will be lost and the partition capacity will be reduced to the image size.

To recover the original capacity, you must re-format the USB stick.

1.3.2.1. Using Mageia

You can use a graphical tool like <u>IsoDumper</u> [https://wiki.mageia.org/en/ IsoDumper_Writing_ISO_images_on_USB_sticks]

You can also use the dd tool in a console:

- 1. Open a console
- 2. Become root with the command **su** (don't forget the final '-')

```
[sam5@localhost ~]$ su -
Password:
[root@localhost ~]#
[root@localhost ~]#
[root@localhost ~]#
```

- 3. Plug your USB stick (do not mount it, this also means do not open any application or file manager that could access or read it)
- 4. Enter the command fdisk -1

```
[root@localhost ~]# fdisk -l
Disk /dev/sda: 298.1 GiB, 320072933376 bytes, 625142448 sectors
Jnits: sectors of 1 * 512 = 512 bytes
Sector size (logical/physical): 512 bytes / 4096 bytes
I/O size (minimum/optimal): 4096 bytes / 4096 bytes
Disklabel type: <mark>dos</mark>
Disk identifier: 0x000db4bf
Partition 3 does not start on physical sector boundary.
Device
            Boot
                      Start
                                    End
                                            Blocks
                                                     Id System
                       2048
                              21256191
                                         10627072
                                                     83 Linux
/dev/sdal
/dev/sda2
                   21256192
                              63528959
                                         21136384
                                                     83 Linux
/dev/sda3
                  63530964 625137344 280803190+ 5 Extended
                                                     83 Linux
/dev/sda5
                  63531008
                              84873215
                                         10671104
                  84875264 127016959
                                         21070848
′dev/sda6
                                                     83 Linux
                 127019008 135985151
                                          4483072
                                                     82 Linux swap / Solaris
/dev/sda7
                 135987200 198598655
                                         31305728
                                                     83 Linux
′dev/sda8
′dev/sda9
                 198600704 471588863 136494080
                                                     83 Linux
                 471590912 496777994
                                        12593541+ 83 Linux
/dev/sda10
                 496781312 504955079
/dev/sdall
                                          4086884
                                                     82 Linux swap / Solaris
                 504958976 625137344
/dev/sda12
                                         60089184+ 83 Linux
Disk /dev/sdb: 7.5 GiB, 8011087872 bytes, 15646656 sectors
Units: sectors of 1 * 512 = 512 bytes
Sector size (logical/physical): 512 bytes / 512 bytes
I/O size (minimum/optimal): 512 bytes / 512 bytes
Disk identifier: 0x15005631
Device
           Boot Start
                              End Blocks Id System
                         7598079 3799039+ 17 Hidden HPFS/NTFS
/dev/sdb1 *
root@localhost ~]#
```

- 5. Find the device name for your USB stick (by its size), for example /dev/sdb in the screenshot above, it is a 8Go USB stick.
- 6. Enter the command: # dd if=path/to/the/ISO/file of=/dev/sdX bs=1M

Where X=your device name eg: /dev/sdc

Example:#dd if=/home/user/Downloads/Mageia-4-x86_64-DVD.iso of=/dev/sdb bs=1M

- 7. Enter the command: **# sync**
- 8. Unplug your USB stick, it is done

1.3.2.2. Using Windows

You could try:

- <u>Rufus</u> [http://rufus.akeo.ie/?locale=en_US]
- Win32 Disk Imager [http://sourceforge.net/projects/win32diskimager]

1.4. Mageia Installation

This step is detailed in the Mageia documentation [http://www.mageia.org/en/doc/].

More information is available in the Mageia wiki [https://wiki.mageia.org/en/Category:Documentation].

2. DrakX, the Mageia Installer

Whether you are new to GNU-Linux or an experienced user, the Mageia Installer is designed to help make your installation or upgrade as easy as possible.

The initial menu screen has various options, however the default one will start the installer, which will normally be all that you will need.



Here are the default welcome screens when using a Mageia DVD, The first one with a legacy system and the second one with an UEFI system:

Figure 1. Installation Welcome Screen



From this first screen, it is possible to set some personal preferences:

• The language (for the installation only, may be different that the chosen language for the system) by pressing the key F2 (Legacy mode only)

	Afrikaans	Hrvatski	简体中文	1 Sunday and the	
	عربي	Italiano	සිංහල	151	
	বাংলা 💿	עברית	Slovenčina		
	Bosanski	日本語	Slovenščina		
	Български	Basa Jawa	Srpski		
	Català	Khmer	Suomi		
	Čeština	한글	Svenska		
	Cymraeg	Кыргызча	தமிழ'		
	Dansk	ພາສາລາວ	ภาษาไทย		
	Deutsch Boot	Lietuvių	繁體中文 (台灣)		
	Eesti Instal	मराठी व	Tiếng Việt		
	English (UK)	Magyar	Türkçe		
	English (US)	Македонски	Українська	1	
	Español	Nederlands	Walon		
	فارسيى	Norsk (bokmål)	isiXhosa		
	Français	Norsk (nynorsk)	isiZulu		
	Galego	Polski	0.000-		
	ქართული	Português			
	ગુજરાતી	Português (Brasil)			
	Ελληνικά	น์สาชโ	100 March 100 Ma		
	हिंदी	Română			
	Bahasa Indonesia	Русский		Contraction of the second	
F1 Help F2 Language F3 800 x 600 F4 DVD F5 Driver F6 Kernel Option					

Use the arrow keys to select the language and press the key Enter.

Here is for example, the French welcome screen when using a Live DVD/CD. Note that the Live DVD/CD menu does not propose: Rescue System, Memory test and Hardware Detection Tool.



• Change the screen resolution by pressing the F3 key (Legacy mode only).

	Text	
	640 x 480	
	800 x 600	
en a la Parla de la Coloria. Coloria	1024 x 768	
F1 Help F2 Language F	3800 x 600 F	4 DVD F5 Driver F6 Kernel Option

• Add some kernel options by pressing the F6 key for the legacy mode or the e key for the UEFI mode.

If the installation fails, then it may be necessary to try again using one of the extra options. The menu called by F6 displays a new line called Boot options and propose four entries:

- Default, it doesn't alter anything in the default options.
- Safe Settings, priority is given to the safer options to the detriment of performances.
- No ACPI (Advanced Configuration and Power Interface), power management isn't taken into account.
- No Local APIC (Local Advanced Programmable Interrupt Controller), it is about CPU interruptions, select this option if you are asked for.

When you select one of these entries, it modifies the default options displayed in the Boot Options line.



In some Mageia releases, it may happen that the entries selected with the key F6 does not appear in the Boot Options line, however, they are really taken into account.

)eia
Install Magela 4	
Boot from Hard Disk	Default Safe Settings No ACPI
Boot Options	No Local APIC
F1 Help F2 Language F3 800 x 600 F4 DVD F5 Driver F	6 Kernel Op <u>t</u> ion

• Add more kernel options by pressing the key F1 (Legacy mode only).

Pressing F1 opens a new window with more available options. Select one with the arrow keys and press Enter to have more details or press the Esc key to go back to the welcome screen.



The detailed view about the option splash. Press Esc or select Return to Boot Options to go back to the options list. These options can by added by hand in the Boot options line.





The help is translated in the chosen language with the F2 key.

For more information about kernel options on legacy and UEFI systems, see: <u>https://wiki.mageia.org/en/</u><u>How_to_set_up_kernel_options</u>

Here is the default welcome screen when using a Wired Network-based Installation CD (Boot.iso or Boot-Nonfree.iso images):

It does not allow to change the language, the available options are described in the screen. For more information about using a Wired Network-based Installation CD, see <u>the Mageia Wiki</u> [https://wiki.mageia.org/ en/Boot.iso_install]



The keyboard layout is the American one.



2.1. The installation steps

The install process is divided into a number of steps, which can be followed on the side panel of the screen.

Each step has one or more screens which may also have Advanced buttons with extra, less commonly required, options.

Most screens have Help buttons which give further explanations about the current step.



If somewhere during install you decide to stop the installation, it is possible to reboot, but please think twice before you do this. Once a partition has been formatted or updates have started to be installed, your computer is no longer in the same state and rebooting it could very well leave you with an unusable system. If in spite of this you are very sure rebooting is what you want, go to a text terminal by pressing the three keys Alt Ctrl F2 at the same time. After that, press Alt Ctrl Delete simultaneously to reboot.

2.2. Installation Problems and Possible Solutions

2.2.1. No Graphical Interface

- After the initial screen you did not reach the language selection screen. This can happen with some graphic cards and older systems. Try using low resolution by typing vgalo at the prompt.
- If the hardware is very old, a graphical installation may not be possible. In this case it is worth trying a text mode installation. To use this hit ESC at the first welcome screen and confirm with ENTER. You will be presented with a black screen with the word "boot:". Type "text" and hit ENTER. Now continue with the installation in text mode.

2.2.2. The Install Freezes

If the system appeared to freeze during the installation, this may be a problem with hardware detection. In this case the automatic detection of hardware may be bypassed and dealt with later. To try this, type noauto at the prompt. This option may also be combined with other options as necessary.

2.2.3. RAM problem

These will rarely be needed, but in some cases the hardware may report the available RAM incorrectly. To specify this manually, you can use the mem=xxxM parameter, where xxx is the correct amount of RAM. e.g. mem=256M would specify 256MB of RAM.

2.2.4. Dynamic partitions

If you converted your hard disk from "basic" format to "dynamic" format on Microsoft Windows, you must know that it is impossible to install Mageia on this disc. To go back to a basic disk, see the Microsoft documentation: http://msdn.microsoft.com/en-us/library/cc776315.aspx.

3. Please choose a language to use

Select your preferred language, by first expanding the list for your continent. Mageia will use this selection during the installation and for your installed system.

If it is likely that you will require several languages installed on your system, for yourself or other users, then you should use the Multiple languages button to add them now. It will be difficult to add extra language support after installation.

Ö mageja	PLEASE CHOOSE A LANGU	JAGE TO USE	
INSTALLATION Language License Partitioning Installing CONFIGURATION Users Summary Updates Exit	 -Asia -Africa -Europe -America - -	Avañe'ë English (British) English (American) English (Canada) Español Esperanto Français Kalaallisut Português do Brasil	Next



Even if you choose more than one language, you must first choose one of them as your preferred language in the first language screen. It will also be marked as chosen in the multiple languages screen .

- If your keyboard language is not the same as your preferred language, then it is advisable to install the language of your keyboard as well.
- Mageia uses UTF-8 (Unicode) support by default. This may be disabled in the "multiple languages" screen if you know that it is inappropriate for your language. Disabling UTF-8 applies to all installed languages.
- You can change the language of your system after installation in the Mageia Control Center -> System > Manage localization for your system.

4. License and Release Notes

Ö mageia	
INSTALLATION Language • License • Partitioning • Installing • CONFIGURATION Users • Summary • Updates • Exit •	Introduction The operating system and the different components available in the Mageia distribution shall be called the "Software Products" hereafter. The Software Products include, but are not restricted to, the set of programs, methods, rules and documentation related to the operating system and the different components of the Mageia distribution, and any applications distributed with these products provided by Mageia's licensors or suppliers. 1. License Agreement Please read this document carefully. This document is a license agreement between you and Mageia which applies to the Software Products. By installing, duplicating or using any of the Software Products in any manner, you explicitly accept and fully agree to conform to the terms and conditions of this License. The support of the Software Products is a license agreement between you and Mageia which applies to the Software Products. By installing, duplicating or using any of the Software Products in any manner, you explicitly accept and fully agree to conform to the terms and conditions of this License. Do you accept this license ? Content the support of the Software Products in any manner, you explicitly accept and fully agree to conform to the terms and conditions of this License. Accept
Ļ	Refuse Release Notes
	▶ Help Quit Next

4.1. License Agreement

Before installing Mageia, please read the license terms and conditions carefully.

These terms and conditions apply to the entire Mageia distribution and must be accepted before you can continue.

To accept, simply select Accept and then click on Next.

If you decide not to accept these conditions, then we thank you for looking. Clicking Quit will reboot your computer.

4.2. Release Notes

To see what's new in this release of Mageia, click on the Release Notes button.

5. Setup SCSI

A	
Omageia	HARD DRIVE DETECTION
INSTALLATION	Which disk/card_reader driver should I try?
Language •	3w_9xxx (3ware 9000 Storage Controller Linux Driver)
License 🤉	3w_sas (LSI 3ware SAS/SATA-RAID Linux Driver)
Partitioning 🔍	3w_xxxx (3ware Storage Controller Linux Driver)
Installing 🔍	53c7,8xx
	AM53C974
CONFIGURATION	BusLogic
Users 🔾	DAC960
Summary 🔍	NCR53c406a
Updates 🔍	a100u2w (Initio A100U2W SCSI driver)
Exit =	a320raid
0	aacraid (Dell PERC2, 2/Si, 3/Si, 3/Di, Adaptec Advanced Raid Products, HP NetRA
	advansys
	aec62xx (PCI driver module for ARTOP AEC62xx IDE)
	aha152x (Adaptec 152x SCSI driver; \$Revision: 2.7 \$)
	aha15/2
\bigcirc	Previous Nex
\mathbf{U}	

DrakX usually detects hard disks correctly. With some older SCSI controllers it may be unable to determine the correct drivers to use and subsequently fail to recognise the drive.

If this happens, you will need to manually tell Drakx which SCSI drive(s) you have.

DrakX should then be able to configure the drive(s) correctly.

6. Install or Upgrade

ထိုက္ရာလူဓု၊ရ	
Ornageia	INSTALL/UPGRADE
	Is this an install or an upgrade?
INSTALLATION	Upgrade Mageia (Cauldron) 4
Language •	😱 Install
License Dartitioning	
Installing	
CONFIGURATION	
Users	
Summary 🔍	
Updates Exit	
1	
- <u>6</u>	
<u>.</u> 0	▶ Help Next
202	

• Install

Use this option for a fresh Mageia installation.

• Upgrade

If you have one or more Mageia installations on your system, the installer will allow you to upgrade one of them to the latest release.



Only upgrading from a previous Mageia version that was *still supported* when this installer's version was released, has been thoroughly tested. If you want to upgrade a Mageia version that had already reached its End Of Life when this one was released, then it is better to do a clean install while preserving your /home partition.



If during install you decide to stop the installation, it is possible to reboot, but please think twice before you do this. Once a partition has been formatted or updates have started to be installed, your computer isn't in the same state anymore and rebooting it could very well leave you with an unusable system. If in spite of that you are very sure rebooting is what you want, go to a text terminal by pressing the three keys Alt Ctrl F2 at the same time. After that, press Alt Ctrl Delete simultaneously to reboot.



If you have discovered that you forgot to select an additional language, you can return from the "Install or Upgrade" screen to the language choice screen by pressing Alt Ctrl Home. Do *not* do this later in the install.

7. Keyboard

DrakX selects an appropriate keyboard for your language. If no suitable keyboard is found it will default to a US keyboard layout.

Ömageia	KEYBOARD
INSTALLATION Language • License Partitioning Installing	Please choose your keyboard layout Dvorak (US) IS09995-3 (US keyboard with 3 levels per key) US keyboard US keyboard (international)
CONFIGURATION Users Summary Updates Exit	▶ More
	▶ Help

- Make sure that the selection is correct or choose another keyboard layout. If you don't know which layout your keyboard has, look in the specifications that came with your system, or ask the computer vendor. There may even be a label on the keyboard that identifies the layout. You can also look here: <u>en.wikipedia.org/wiki/Keyboard_layout</u> [http://en.wikipedia.org/wiki/Keyboard_layout]
- If your keyboard isn't in the list shown, click on More to get a full list, and select your keyboard there.



After choosing a keyboard from the More dialog, you'll return to the first keyboard choice dialog and it will seem as though a keyboard from that screen was chosen. You can safely ignore this anomaly and continue the installation: Your keyboard is the one you chose from the full list.

• If you choose a keyboard based on non-Latin characters, you will see an extra dialog screen asking how you would prefer to switch between the Latin and non-Latin keyboard layouts

8. Partitioning

In this screen you can see the content of your hard drive(s) and see the solutions the DrakX partitioning wizard found for where to install Mageia.

The options available from the list below will vary depending on your particular hard drive(s) layout and content.

Ö mageja	PARTITIONING	
	Here is the content of your disk drive Fujitsu MHZ2320B (298GB)	•
INSTALLATION Language • License •	Ext2/3/4 XFS Swap Windows Other The DrakX Partitioning wizard found the following solutions: Image: State of the state of	-
Partitioning Installing	Use existing partitions	
CONFIGURATION Users Summary	SYSTEM_DRV Windows7_OS	
Updates Exit	Windows (73GB) Mageia (24GB) Erase and use entire disk	_
	Custom disk partitioning	
	▶ Help	ext

• Use Existing Partitions

If this option is available, then existing Linux compatible partitions have been found and may be used for the installation.

• Use Free Space

If you have unused space on your hard drive then this option will use it for your new Mageia installation.

• Use Free Space on a Windows Partition

If you have unused space on an existing Windows partition, the installer may offer to use it.

This can be a useful way of making room for your new Mageia installation, but is a risky operation so you should make sure you have backed up all important files!

Note that this involves shrinking the size of the Windows partition. The partition must be "clean", meaning that Windows must have closed down correctly the last time it was used. It must also have been defragmented, although this is not a guarantee that all files in the partition have been moved out of the area that is about to be used. It is highly recommended to back up your personal files.

With this option, the installer displays the remaining Windows partition in light blue and the future Mageia partition in dark blue with their intended sizes just under. You have the possibility to adapt these sizes by clicking and draging the gap between both partitions. See the screen-shot below.

Ö mageia	
Mageia 5	
INSTALLATION	PARTITIONING
Language • License •	Here is the content of your disk drive Maxtor 6L160M0 (152GB) -
Partitioning	RÃo cupão ration .
CONFIGURATION	The DrakX Partitioning wizard found the following solutions:
Users	Use free space
Summary Undates	RÃo cupÃo ration.
Exit =	Use the free space on a Microsoft Windows® partition
	RAScupAGration.
	Mageia (1168)
	Custom disk partitioning
	▶ Help Next

• Erase and use Entire Disk.

This option will use the complete drive for Mageia.

Note! This will erase ALL data on the selected hard drive. Take care!

If you intend to use part of the disk for something else, or you already have data on the drive that you are not prepared to lose, then do not use this option.

• Custom

This gives you complete control over the placing of the installation on your hard drive(s).



Some newer drives are now using 4096 byte logical sectors, instead of the previous standard of 512 byte logical sectors. Due to lack of available hardware, the partitioning tool used in the installer has not been tested with such a drive. Also some ssd drives now use an erase block size over 1 MB. We suggest to pre-partition the drive, using an alternative partitioning tool like gparted, if you own such a device, and to use the following settings:

"Align to" "MiB"

"Free space preceding (MiB)" "2"

Also make sure all partitions are created with an even number of megabytes.

9. Choose the mount points

<u>.</u>			
Omageia	PARTITIONING		
	c	hoose the mount points	
INSTALLATION	sda5 (11GB, /, ext4)	1	~
Language • License •	sda7 (4.1GB, /home, ext4)	/home	v
Partitioning •	sda8 (8.1GB, ext4)		~
Installing •	sda9 (13MB, ext4)		~
CONFIGURATION			
Users Users			
Summary – Lindates –			
Exit			
1			
\$			
. An			h
N	▶ Help		Previous Next
50			

Here you see the Linux partitions that have been found on your computer. If you don't agree with the DrakX suggestions, you can change the mount points.



If you change anything, make sure you still have a / (root) partition.

- Every partition is shown as follows: "Device" ("Capacity", "Mount point", "Type").
- "Device", is made up of: "hard drive", ["hard drive number"(letter)], "partition number" (for example, "sda5").
- If you have many partitions, you can choose many different mount points from the drop down menu, such as /, /home and /var. You can even make your own mount points, for instance /video for a partition where you want to store your films, or /cauldron-home for the /home partition of a cauldron install.
- For partitions you don't need to have access to, you can leave the mount point field blank.



Choose Previous if you are not sure what to choose, and then tick Custom disk partitioning. In the screen that follows, you can click on a partition to see its type and size.

If you are sure the mount points are correct, click on Next, and choose whether you only want to format the partition(s) DrakX suggests, or more.

10. Confirm hard disk to be formatted

A	
Omageia	PARTITIONING
INSTALLATION Language • License • Partitioning •	ALL existing partitions and their data will be lost on drive sda (37GB, Toshiba MK4026GA)
Installing CONFIGURATION	
Users 🏾	
Summary Updates	
Exit •	•
SNI -	Help Previous Next

Click on Previous if you are not sure about your choice.

Click on Next if you are sure and want to erase every partition, every operating system and all data on that hard disk.

11. Custom disk partitioning with DiskDrake

Ömaaeia	PARTITIONING
0	Click on a partition, choose a filesystem type then choose an action
INSTALLATION Language ● License ●	/media/windows / //home //windows //
Partitioning Installing CONFIGURATION Users Summary Updates Exit	Ext4 XFS Swap Windows Other Empty Resize Details Delete Device: sda8 Type: Journalised FS: ext4 Size: 8.1GB (21%)
1	Clear all Auto allocate Toggle to expert mode
	▶ Help More Done



If you wish to use encryption on your / partition you must ensure that you have a separate / boot partition. The encryption option for the /boot partition must NOT be set, otherwise your system will be unbootable.

Adjust the layout of your disk(s) here. You can remove or create partitions, change the filesystem of a partition or change its size and even view what is in them before you start.

There is a tab for every detected hard disk or other storage device, like an USB key. For example sda, sdb and sdc if there are three of them.

Push Clear all to wipe all partitions on the selected storage device

For all other actions: click on the desired partition first. Then view it, or choose a filesystem and a mount point, resize it or wipe it.

Continue until you adjusted everything to your wishes.

Click Done when you're ready.



If you are installing Mageia on an UEFI system, check that an ESP (EFI System Partition) is present and correctly mounted on /boot/EFI (see above)

→ ○ Mageia Control Center File Options Help	[on localhost] 💿 🔿 🛞
Manage disk partitions	
Click on a partition, choose a filesystem type then cho	ose an action
sda sdb sdc	
/boot/EFI / swap 299MB 49GB 3.9GB	/home 98GB
Ext4 (XFS) Swap (Windows) (Other	Empty
Details	
Device: sda Size: 152GB Name: Maxtor 6L160M0	
Clear all	
	Toggle to expert mode
🕨 Help	Done

12. Formatting

2	
Omageia	FORMATTING
	Choose the partitions you want to format
INSTALLATION Language •	✓ sda5 (11GB, /, ext4)
License ● Partitioning ◎	sda7 (4.1GB, /home, ext4)
Installing •	▶ Advanced
CONFIGURATION Users	
Summary O	
Updates Exit	
1	▶
4	
<u> </u>	Help Previous Next

Here you can choose which partition(s) you wish to format. Any data on partitions *not* marked for formatting will be saved.

Usually at least the partitions DrakX selected, need to be formatted

Click on Advanced to choose partitions you want to check for so called bad blocks



If you're not sure you have made the right choice, you can click on Previous, again on Previous and then on Custom to get back to the main screen. In that screen you can choose to view what is in your partitions.

When you are confident about the selection, click on Next to continue.

13. Media Selection (Configure Supplemental Installation Media)



This screen gives you the list of already recognized repositories. You can add other sources for packages, like an optical disc or a remote source. The source selection determines which packages will be available for selection during the next steps.

For a network source, there are two steps to follow:

- 1. Choosing and activation of the network, if not already up.
- 2. Selecting a mirror or specifying a URL (very first entry). By selecting a mirror, you have access to the selection of all repositories managed by Mageia, like the Nonfree, the Tainted repositories and the Updates. With the URL, you can designate a specific repository or your own NFS installation.



If you are updating a 64 bit installation which may contain some 32 bit packages, it is advised to use this screen to add an online mirror by ticking one of the Network protocols here. The 64 bit DVD iso only contains 64 bit and noarch packages, it will not be able to update the 32 bit packages. However, after adding an online mirror, installer will find the needed 32 bit packages there.

14. Media Selection (Nonfree)

Å	
Ornageia	MEDIA SELECTION
INSTALLATION Language ●	Here you can enable more media if you want. Some hardware on your machine needs some non free firmwares in order for the free software drivers to work. You should enable "Nonfree Release"
License ● Partitioning ●	✓ Core Release
Installing	✓ Nonfree Release
CONFIGURATION	
Users 🔍	
Summary 🄍	
Updates O	
Exit	•
N	▶ Help Next

Here you have the list of available repositories. Not all repositories are available, according to which media you use for installing. The repositories selection determines which packages will be available for selection during the next steps.

- The Core repository cannot be disabled as it contains the base of the distribution.
- The *Nonfree* repository includes packages that are free-of-charge, i.e. Mageia may redistribute them, but they contain closed-source software (hence the name Nonfree). For example this repository includes nVidia and ATI graphics card proprietary drivers, firmware for various WiFi cards, etc.
- The *Tainted* repository includes packages released under a free license. The main criteria for placing packages in this repository is that they may infringe patents and copyright laws in some countries, e.g. Multimedia codecs needed to play various audio/video files; packages needed to play commercial video DVD, etc.

15. Desktop Selection

Depending on your selection here, you may be offered further screens to fine tune your choice.

After the selection step(s), you will see a slide show during package installation. The slide show can be disabled by pressing the Details button



Choose whether you prefer to use the KDE or Gnome desktop environment. Both come with a full set of useful applications and tools. Tick Custom if you want to use neither or both, or if you want something other than the default software choices for these desktop environments. The LXDE desktop is lighter than the previous two, sporting less eye candy and fewer packages installed by default.

16. Package Group Selection

Ömageia	
INSTALLATION Language • License • Partitioning • Installing • CONFIGURATION Users •	
Summary Updates Exit	Graphical Environment KDE Workstation XFCE Workstation Cinnamon Workstation LXDE Pesktop A lightweight fast graphical environment
	Individual package selection Total size: 1673 / 11397 MB IHelp Unselect All Next

Packages have been sorted into groups, to make choosing what you need on your system a lot easier. The groups are fairly self explanatory, however more information about the content of each is available in tool-tips which become visible as the mouse is hovered over them.

- Workstation.
- Server.
- Graphical Environment.
- Individual Package Selection: You can use this option to manually add or remove packages.

Read <u>Section 17, "Minimal Install"</u> for instructions on how to do a minimal install (without or with X & IceWM).

17. Minimal Install

You can choose a Minimal Installation by de-selecting everything in the Package Group Selection screen, see <u>Section 16, "Package Group Selection"</u>.

If desired, you can additionally tick the "Individual package selection" option in the same screen.

Minimal Installation is intended for those with specific uses in mind for their Mageia, such as a server or a specialised workstation. You will probably use this option combined with the "Individual package selection" option mentioned above, to fine-tune your installation, see <u>Section 18</u>, "Choose Individual Packages".

If you choose this installation class, then the related screen will offer you a few useful extras to install, such as documentation and X.

If selected, "With X" will also include IceWM as lightweight desktop environment.

The basic documentation is provided in the form of man and info pages. It contains the man pages from the <u>Linux Documentation Project</u> [http://www.tldp.org/manpages/man.html] and the <u>GNU coreutils</u> [http:// www.gnu.org/software/coreutils/manual/] info pages.

A	
Qwadeia	TYPE OF INSTALL
INSTALLATION Language • License • Partitioning • Installing • CONFIGURATION Users •	 With X Install suggested packages With basic documentation (recommended!) Truly minimal install (especially no urpmi)
Summary ●	
Exit •	▶ Help Previous Next

18. Choose Individual Packages

Ömageja	SOFTWARE MANAGEMENT
	Choose the packages you want to install
INSTALLATION	>-Graphical Environment
License •	>-Web/FTP
Partitioning Installing	- Mail
	- cyrus-imapd - U
CONFIGURATION Users	> Database
Summary	Info
Opdates Exit	Version: 2.4.17-12.mga4 Size: 54842 KB Importance: very nice
	The Cyrus IMAP Server is a scaleable enterprise mail system designed for use from 🗘
	Total size: 1667 / 10464 MB
N -	▶ Help Previous Install

Here you can add or remove any extra packages to customise your installation.

After having made your choice, you can click on the floppy icon at the bottom of the page to save your choice of packages (saving to a USB key works, too). You can then use this file to install the same packages on another system, by pressing the same button during install and choosing to load it.

19. User and Superuser Management

Qwadeia	USER MANAGEMENT	
	• Set administrator (root) password	
	Password	•••••••
INSTALLATION	Password (again)	••••••
Language •		
License •	• Enter a user	
Installing •	lcon	
	Real name	
CONFIGURATION	Login nome	
Users	Login name	
Updates •	Password	
Exit •	Password (again)	
	Advanced	
1		
6		
- An		
	▶ Help	Next

19.1. Set Administrator (root) Password:

It is advisable for all Mageia installations to set a superuser or administrator's password, usually called the *root password* in Linux. As you type a password into the top box the colour of its shield will change from red to yellow to green depending on the strength of the password. A green shield shows you are using a strong password. You need to repeat the same password in the box just below the first password box, this checks that you have not mistyped the first password by comparing them.



All passwords are case sensitive, it is best to use a mixture of letters (upper and lower case), numbers and other characters in a password.

19.2. Enter a user

Add a user here. A user has fewer rights than the superuser (root), but enough to surf the internet, use office applications or play games and anything else the average user does with his computer

- Icon: if you click on this button it will change the users icon.
- Real Name: Insert the users real name into this text box.
- Login Name: Here you enter the user login name or let drakx use a version of the users real name. *The login name is case sensitive.*

- Password: In this text box you should type in the user password. There is a shield at the end of the text box that indicates the strength of the password. (See also <u>Note</u>)
- Password (again): Retype the user password into this text box and drakx will check you have the same password in each of the user password text boxes.



Any user you add while installing Mageia, will have a world readable (but write protected) home directory.

However, while using your new install, any user you add in *MCC* - *System* - *Manage users on system* will have a home directory that is both read and write protected.

If you don't want a world readable home directory for anyone, it is advised to only add a temporary user now and to add the real one(s) after reboot.

If you prefer world readable home directories, you might want to add all extra needed users in the *Configuration - Summary* step during the install. Choose *User management*.

The access permissions can also be changed after the install.

19.3. Advanced User Management

If the advanced button is clicked you are offered a screen that allows you to edit the settings for the user you are adding. Additionally, you can disable or enable a guest account.



Anything a guest with a default *rbash* guest account saves to his /home directory will be erased when he logs out. The guest should save his important files to a USB key.

- Enable guest account: Here you can enable or disable a guest account. The guest account allows a guest to log into and use the PC, but he has more restricted access than normal users.
- Shell: This drop down list allows you to change the shell used by the user you are adding in the previous screen, options are Bash, Dash and Sh
- User ID: Here you can set the user ID for the user you are adding in the previous screen. This is a number. Leave it blank unless you know what you are doing.
- Group ID: This lets you set the group ID. Also a number, usually the same one as for the user. Leave it blank unless you know what you are doing.

20. Graphic Card and Monitor Configuration

Ömageia	GRAPHIC CARD & MO	DNITOR CONFIGURATION
-	Graphic Card	Intel 810 and later
	Monitor	Custom
INSTALLATION	Resolution	Automatic
Language ● License ●		Options
Partitioning •		
Installing •		
CONFIGURATION		
Users •		
Summary Summary		
Exit		
		₩
1		
Q		Next
	Le Heip	Next
202		

No matter which graphical environment (also known as desktop environment) you chose for this install of Mageia, they are all based on a graphical user interface system called X Window System, or simply X. So in order for KDE, Gnome, LXDE or any other graphical environment to work well, the following X settings need to be correct. Choose the correct settings if you can see that DrakX didn't make a choice, or if you think the choice is incorrect.

- *Graphic card*: Choose your card from the list if needed.
- *Monitor*: You can choose Plug'n Play when applicable, or choose your monitor from the Vendor or Generic list. Choose Custom if you prefer to manually set the horizontal and vertical refresh rates of your monitor.



Incorrect refresh rates may damage your monitor

- Resolution: Set the desired resolution and color depth of your monitor here.
- *Test*: The test button does not always appear during install. If the button is there, you can control your settings by pressing it. If you see a question asking you whether your settings are correct, you can answer "yes", and the settings will be kept. If you don't see anything, you'll return to the configuration screen and be able to reconfigure everything until the test is good. *Make sure your settings are on the safe side if the test button isn't available*
- Options: Here you can choose to enable or disable various options.

21. Choose an X Server (Configure your Graphic Card)

Omageia	X SERVER
	Choose an X server
INSTALLATION	(¹)
Language •	v-Vendor
License ● Partitioning ●	
Installing •	>- Ark Logic
	>- Chips & Technologies
CONFIGURATION	>- Cirrus Logic
Users •	>-Diamond
Updates •	>-Digital
Exit	v-Intel
	- 740-based cards
	- 810 and later
1	Vermilion-based cards
4	>-Matrox
<u> </u>	· · · · · · · · · · · · · · · · · · ·
	Nevt
	E neip
202	

DrakX has a very comprehensive database of video cards and will usually correctly identify your video device.

If the installer has not correctly detected your graphic card and you know which one you have, you can select it from the tree by:

- vendor
- then the name of your card
- and the type of card

If you cannot find your card in the vendor lists (because it's not yet in the database or it's an older card) you may find a suitable driver in the Xorg category

The Xorg listing provides more than 40 generic and open source video card drivers. If you still can't find a named driver for your card there is the option of using the vesa driver which provides basic capabilities.

Be aware that if you select an incompatible driver you may only have access to the Commandline Interface.

Some video card manufacturers provide proprietary drivers for Linux which may only be available in the Nonfree repository and in some cases only from the card manufacturers' websites.

The Nonfree repository needs to be explicitly enabled to access them. If you didn't select it previously, you should do this after your first reboot.

22. Choosing your Monitor

DrakX has a very comprehensive database of monitors and will usually correctly identify yours.



Selecting a monitor with different characteristics could damage your monitor or video hardware. Please don't try something without knowing what you are doing. If in doubt you should consult your monitor documentation

Ömageia	MONITOR	
INSTALLATION Language ●	Choose a monitor	Ô
License •	Plug'n Play	
Partitioning •	v-Vendor	
Installing •	>-Aamazing	
	>-Acer	
CONFIGURATION	- Action Systems, Inc.	
Summary	Action Monitor CA-1454	
Updates •	- Action Monitor CA-1570	
Exit	- Action Monitor CH-1999	
	- Action Monitor CK-1566	
	Action Monitor CK-4148	
	- Action Monitor CK-4158	
1	- Action Monitor CL-1566	
6	Action Monitor CL-1570	\sim
Sec. 1		_ •
N -	Help Previous Ne	xt
1		

Custom

This option allows you to set two critical parameters, the vertical refresh rate and the horizontal sync rate. Vertical refresh determines how often the screen is refreshed and horizontal sync is the rate at which scan lines are displayed.

It is *VERY IMPORTANT* that you do not specify a monitor type with a sync range that is beyond the capabilities of your monitor: you may damage your monitor. If in doubt, choose a conservative setting and consult your monitor documentation.

Plug 'n Play

This is the default option and tries to determine the monitor type from the monitor database.

Vendor

If the installer has not correctly detected your monitor and you know which one you have, you can select it from the tree by selecting:

- vendor
- the monitor manufacturers name
- the monitor description

Generic

selecting this group displays nearly 30 display configurations such as 1024x768 @ 60Hz and includes Flat panel displays as used in laptops. This is often a good monitor selection group if you need to use the Vesa card driver when your video hardware cannot be determined automatically. Once again it may be wise to be conservative in your selections.

23. Bootloader main options

Ömageia	BOOTLOADER MAIN OPTIONS		
	• Bootloader		
	Bootloader to use	GRUB with graphical menu	~
INSTALLATION	Boot device	/dev/sda (Toshiba MK4026GA)	~
Language •			
License •	• Main options		
Installing •	Delay before booting default image	10 4	
	• Security		
CONFIGURATION	Password		
Users •	Password (again)		
Updates •	,		
Exit •	▶ Advanced		
1			
_ Ò			
	▶ Help	Previous	×t
50	·		



With an UEFI system, the user interface is slightly different as you cannot choose the boot loader (first drop down list) since only one is available

If you prefer different bootloader settings to those chosen automatically by the installer, you can change them here.

You may already have another operating system on your machine, in which case you need to decide whether to add Mageia to your existing bootloader, or allow Mageia to create a new one.



The Mageia graphical menus are nice :)

23.1. Using a Mageia bootloader

By default, Mageia writes a new GRUB (legacy) bootloader into the MBR (Master Boot Record) of your first hard drive. If you already have other operating systems installed, Mageia attempts to add them to your new Mageia boot menu.

Mageia now also offers GRUB2 as an optional bootloader in addition to GRUB legacy and Lilo.



Linux systems which use the GRUB2 bootloader are not currently supported by GRUB (legacy) and will not be recognised if the default GRUB bootloader is used.

The best solution here is to use the GRUB2 bootloader which is available at the Summary page during installation.

23.2. Using an existing bootloader

If you decide to use an existing bootloader then you will need to remember to STOP at the summary page during the installation and click the Bootloader Configure button, which will allow you to change the bootloader install location.

Do not select a device e.g."sda", or you will overwrite your existing MBR. You must select the root partition that you chose during the partitioning phase earlier, e.g. sda7.

To be clear, sda is a device, sda7 is a partition on that device.



Go to tty2 with Ctrl+Alt+F2 and type df to check where your / (root) partition is. Ctrl+Alt+F7 takes you back to the installer screen.

The exact procedure for adding your Mageia system to an existing bootloader is beyond the scope of this help, however in most cases it will involve running the relevant bootloader installation program which should detect and add it automatically. See the documentation for the operating system in question.

23.3. Bootloader advanced option

If you have very limited disk space for the / partition that contains / tmp, click on Advanced and check the box for Clean /tmp at each boot. This helps to maintain some free space.

24. Add or Modify a Boot Menu Entry

A.		
Omageia	BOOTLOADER CONFIGURATION	
	Here are the entries on your boot menu	so far.
INSTALLATION	You can create additional entries of chan	ige the existing ones.
Language •	* linux (/boot/vmlinuz)	Add
License •	linux-nonfb (/boot/vmlinuz)	Modify
Installing •	failsafe (/boot/vmlinuz)	Remove
	windows (/dev/sda1)	
CONFIGURATION		
Users •		
Summary	k (
Exit •		
1		
6		
<u> </u>		
1. Y		Previous Next
		Inclicus Next
202		

You can add an entry or modify the one you select first, by pressing the relevant button in the *Bootloader Configuration* screen and editing the screen that pops up on top of it.



If you have chosen Grub 2 as your bootloader, or Grub2-efi for UEFI systems, you cannot use this tool to edit entries at this step, press 'Next'. You need to manually edit /boot/grub2/ custom.cfg or use grub-customizer instead.

⊕mo			
	Label	linux	
	Image	/boot/vmlinuz	
INSTA	Root	/dev/sda5 🗸 🗸	
	Append	splash quiet resume=UUID=16e408de-6aea-4e19-b3a4-5522522c058a	dd uN5/
Parti	🗸 Defau	lt	nove
In			
CONFIGU	- Advanced		
Sur			
	🕨 Help	Cancel Ok	Next

Some things that can be done without any risk, are changing the label of an entry and ticking the box to make an entry the default one.

You can add the proper version number of an entry, or rename it completely.

The default entry is the one the systems boots into if you don't make a choice while booting up.



Editing other things can leave you with an unbootable system. Please don't just try something without knowing what you are doing.

20. Ourmany of miscenaricous parameters	25. (Summary	of	miscellaneous	parameters
---	--------------	---------	----	---------------	------------



DrakX made smart choices for the configuration of your system depending on the choices you made and on the hardware DrakX detected. You can check the settings here and change them if you want after pressing Configure.

25.1. System parameters

• Timezone

DrakX selected a time zone for you, depending on your preferred language. You can change it if needed. See also <u>Section 26, "Configure your Timezone"</u>

• Country / Region

If you are not in the selected country, it is very important that you correct the setting. See Section 27, "Select your Country / Region"

Bootloader

DrakX has made good choices for the bootloader setting.

Do not change anything, unless you know how to configure Grub and/or Lilo

For more information, see Section 23, "Bootloader main options"

• User management

You can add extra users here. They will each get their own /home directories.

• Services:

System services refer to those small programs which run the background (daemons). This tool allows you to enable or disable certain tasks.

You should check carefully before changing anything here - a mistake may prevent your computer from operating correctly.

For more information, see Section 28, "Configure your Services"

25.2. Hardware parameters

• Keyboard:

This is where you setup or change your keyboard layout which will depend on your location, language or type of keyboard.

• Mouse:

Here you can add or configure other pointing devices, tablets, trackballs etc.

• Sound card:

The installer uses the default driver, if there is a default one. The option to select a different driver is only given when there is more than one driver for your card, but none of them is the default one.

• Graphical interface:

This section allows you to configure your graphic card(s) and displays.

For more information, see Section 20, "Graphic Card and Monitor Configuration".

Ömageja	SUMMARY		
	Keyboard - US keyboard	Configure	Â
	Mouse - Universal Any PS/2 & USB mice	Configure	
INSTALLATION Language •	Sound card - Intel 82801AA,82901AB,i810,i820,i830,i840,i845,MX440; SiS 7012; Ali 5455	Configure	
License ● Partitioning ●	Graphical interface - Automatic	Configure	
Installing •			
CONFIGURATION	• Network & Internet		
Users •		- 6	
Lindates	Network - ethernet	Configure	
Exit Exit	Proxies - not configured	Configure	
	• Security		
1	Security Level - Standard	Configure	
6	Firewall - activated	Configure	IÔ
NL -	▶ Help	Ne	xt
32			

25.3. Network and Internet parameters

• Network:

You can configure your network here, but for network cards with non-free drivers it is better to do that after reboot, in the Mageia Control Center, if you have not yet enabled the Nonfree media repositories.



When you add a network card, do not forget to set your firewall to watch that interface as well.

• Proxies:

A Proxy Server acts as an intermediary between your computer and the wider internet. This section allows you to configure your computer to utilize a proxy service.

You may need to consult your systems administrator to get the parameters you need to enter here

25.4. Security

• Security Level:

Here you set the Security level for your computer, in most cases the default setting (Standard) is adequate for general use.

Check the option which best suits your usage.

• Firewall:

A firewall is intended to be a barrier between your important data and the rascals out there on the internet who would compromise or steal it.

Select the services that you wish to have access to your system. Your selections will depend on what you use your computer for.



Bear in mind that allowing everything (no firewall) may be very risky.

26. Configure your Timezone

۸	
Omageia	TIMEZONE
	Which is your timezone?
INSTALLATION Language • License • Partitioning •	Monterrey Montevideo
CONFIGURATION Users •	- Montreal - Montserrat - Nassau
Summary 🏻	- New_York
Updates • Exit •	- Nipigon - Nome - Noronha
1	- Ojinaga
	Previous Next

Choose your time zone by choosing your country or a city close to you in the same time zone.

In next screen you can choose to set your hardware clock to local time or to GMT, also known as UTC.



If you have more than one operating system on your computer, make sure they are all set to local time, or all to UTC/GMT.

27. Select your Country / Region

8		
Omageia	COUNTRY / REGION	
	Please choose your country	
INSTALLATION	lokelau	~
Language •	Tonga	
License •	Trinidad and Tobago	
Installing •	Turks and Caicos Islands	
instanting 5	Tuvalu	
CONFIGURATION	United Kingdom	
Users •	United States	
Summary 🔍	United States Minor Outlying Islands	
Updates 🔍	Vanuatu	
Exit •	Virgin Islands (British)	
	Virgin Islands (U.S.)	
	Zambia	~
1		~
	▶ Other Countries	
N	▶ Help Previous Next	
48		

Select your country or region. This is important for all kinds of settings, like the currency and wireless regulatory domain. Setting the wrong country can lead to not being able to use a Wireless network.

If your country isn't in the list, click the Other Countries button and choose your country / region there.



If your country is only in the Other Countries list, after clicking OK it may seem a country from the first list was chosen. Please ignore this, DrakX will follow your real choice.

27.1. Input method

In the Other Countries screen you can also select an input method (at the bottom of the list). Input methods allow users to input multilingual characters (Chinese, Japanese, Korean, etc). IBus is the default input method in Mageia DVDs, Africa/India and Asia/no-India Live-CDs. For Asian and African locales, IBus will be set as default input method so users should not need to configure it manually. Other input methods(SCIM, GCIN, HIME, etc) also provide similar functions and can be installed if you added HTTP/FTP media before package selection.



If you missed the input method setup during installation, you can access it after you boot your installed system via "Configure your Computer" -> "System", or by running localedrake as root.

28. Configure your Services

A				
Omageia	SERVICES			
	Choose which services	should be automatically	started at boot time	
	>-Other			
INSTALLATION	>-System	\checkmark		
Language 单	>-Internet	\checkmark		
License 🔍	-Networking	\checkmark		
Partitioning •	- network	\checkmark		
Installing •	network-auth			
CONFIGURATION	- network-up	\checkmark		
Users •	- resolvconf			
Summary O				
Updates 🔍				
Exit •		Info		
	Requires network to be	up if enabled		
1				
<u> </u>		14 activated for 22 r	eaistered	
Q				
N	▶ Help		Previous	Next
50				

Here you can set which services should (not) start when you boot your system.

There are four groups, click on the triangle before a group to expand it and see all services in it.

The setting DrakX chose are usually good.

If you highlight a service, some information about it is shown in the info box below.

Only change things when you know very well what you are doing.

29. Select mouse

Omageia	MOUSE CHOICE
	Please chaose your type of mouse
	Please choose your type of mouse.
INSTALLATION	>-P5/2
Language ● License ●	>-USB
Partitioning •	Universal
Installing •	Any PS/2 & USB mice
CONFIGURATION	- Force evdev
Users •	>-busmouse
Summary 🤉	>-serial
Updates	
Exit	►
202	

If you are not happy with how your mouse responds, you can select a different one here.

Usually, Universal - Any PS/2 and USB mice is a good choice.

Select Universal - Force evdev to configure the buttons that do not work on a mouse with six or more buttons.

30. Sound Configuration

Ömageia	SOUND CONFIGURATION
INSTALLATION Language • License • Partitioning • Installing •	Intel Corporation 82801DB/DBL/DBM (ICH4/ICH4-L/ICH4-M) AC'97 Audio Controller Your card currently uses the ALSA "snd_intel8x0" driver (the default driver for your card is "snd_intel8x0")
Users • Summary • Updates •	✓ Enable PulseAudio ✓ Use Glitch-Free mode
Exit	▶ Advanced
	▶ Help Previous Next

In this screen the name of the driver that the installer chose for your sound card is given, which will be the default driver if we have a default one.

The default driver should work without problems. However, if after install you do encounter problems, then run **draksound** or start this tool via MCC (Mageia Control Center), by choosing the Hardware tab and clicking on Sound Configuration at the top right of the screen.

Then, in the draksound or "Sound Configuration" tool screen, click on Advanced and then on Troubleshooting to find very useful advice about how to solve the problem.

30.1. Advanced

Clicking Advanced in this screen, during install, is useful if there is no default driver and there are several drivers available, but you think the installer selected the wrong one.

In that case you can select a different driver after clicking on Let me pick any driver.

31. Security Level



You can adjust your security level here.

Leave the default settings as they are, if you don't know what to choose.

After install, it will always be possible to adjust your security settings in the Security part of the Mageia Control Center.

32. Updates

*	
Omageia	UPDATES
INSTALLATION Language • License • Partitioning • Installing • CONFIGURATION Users •	You now have the opportunity to download updated packages. These packages have been updated after the distribution was released. They may contain security or bug fixes. To download these packages, you will need to have a working Internet connection. Do you want to install the updates?
Summary •	• Yes
Exit •	○ No
	▶
N	▶ Help

Since this version of Mageia was released, some packages will have been updated or improved.

Choose yes if you wish to download and install them, select no if you don't want to do this now, or if you aren't connected to the Internet

Then press Next to continue

33. Congratulations

Ömageia	CONGRATULATIONS
INSTALLATION Language • License • Partitioning • Installing • CONFIGURATION Users • Summary • Updates • Exit •	Congratulations, installation is complete. Remove the boot media and press Enter to reboot. For information on fixes which are available for this release of Mageia, consult the Errata available from: http://www.mageia.org/ Information on configuring your system is available in the post install chapter of the Official Mageia User's Guide.
	I Help Rebot

You have finished installing and configuring Mageia and it is now safe to remove the installation medium and reboot your computer.

After reboot, in the bootloader screen, you can choose between the operating systems on your computer (if you have more than one).

If you didn't adjust the settings for the bootloader, your Mageia install will be automatically selected and started.

Enjoy!

Visit www.mageia.org if you have any questions or want to contribute to Mageia