



**Ubuntu studio – open source goes multimedia**

# Ubuntu studio

[www.ubuntustudio.org](http://www.ubuntustudio.org)

**“We provide a suite of the best open-source applications available for multimedia creation”**

**What's inside Ubuntu Studio?**

<https://wiki.ubuntu.com/UbuntuStudio/PackageList>

## Installation

download the iso image here:

<http://ubuntustudio.org/downloads>

burn a dvd from the iso image HowTo here:

<https://help.ubuntu.com/community/BurningIsoHowto>

'upgrade' ubuntu to ubuntu studio:

<http://ubuntuforums.org/showpost.php?p=4665486&postcount=9>

in terminal:

```
sudo apt-get update && sudo apt-get install ubuntustudio-desktop ubuntustudio-audio  
ubuntustudio-audio-plugins ubuntustudio-graphics ubuntustudio-video linux-rt
```

# GTK-RecordMyDesktop

<http://recordmydesktop.iovar.org/about.php>

## TUTORIAL

make a short video with a slide show made by 'g-thumb image viewer'.

open image folder in 'gThumb Image Viewer'

open gtk-record my desktop

select window or select frame of recorded image

start gThumb Image Viewer 'slide show'

record + stop button in upper panel

READY – watch your recorded video

tip: maybe try recording not the best video quality and/or smaller frame

## Installation

```
name: gtk-recordmydesktop
```

```
with synaptic:  
recordmydesktop,  
gtk-recordmydesktop
```

```
open from menu:  
applications/sound & video
```

```
default output file:  
out.ogg
```

# THE GIMP

<http://www.gimp.org/>

## **TUTORIAL: animated gif with gimp**

select an image from image folder

right klick / open with gimp

image/ mode /should be RGB

copy background layer

Paths Tool / create a path around (close with 'enter')

menu select / invert, edit / cut

menu layers / copy 3 times

place image on different position in each layer

create background color – copy 3 times – layers under

animated pics – merge visible

menu Filter / Animation / Playback

save as / name.gif / click animation

READY – view in firefox

Installation

with synaptic

# AVIDEMUX

<http://avidemux.sourceforge.net/>

## TUTORIAL:

editing video/ avi files

## TUTORIAL:

open avidemux

open avi file

edit: set in and out points resp. cut beginning and end

file save as avi / copy (or choose AV codecs from dropdown menus)

Installation

with synaptic

# Convert videos

[http://en.linuxreviews.org/HOWTO\\_Convert\\_video\\_files](http://en.linuxreviews.org/HOWTO_Convert_video_files)

[http://wiki.transmission.cc/index.php/FOSS\\_Codecs\\_For\\_Online\\_Video:\\_Usabili](http://wiki.transmission.cc/index.php/FOSS_Codecs_For_Online_Video:_Usabili)

**why:**        filesize is too big for the Internet  
                 my editing software needs another fileformat  
                 my VJ software needs another type of format  
                 I want people to watch who can't play ogg, avi etc  
                 and and and

for use in terminal:



# FFMPEG

<http://howto-pages.org/ffmpeg/>

## TUTORIAL:

**script for converting an ogg file to avi:**

for example our RecordMyDesktop file: out.ogg

Let's see what ffmpeg can tell us about this video:

in terminal:

```
ffmpeg -i video.flv
```

```
ffmpeg -i out.ogg -vcodec mpeg4 -acodec mp3 -f avi out.avi
```

ffmpeg	=	application
-i	=	input
-vcodec	=	videocodec to use for encoding
-acodec	=	audiocodec to use for encoding
-f	=	format of output

Installation

with synaptic

# MENCODER

[http://www.wiki.csoft.at/index.php/MEncoder\\_Scripts](http://www.wiki.csoft.at/index.php/MEncoder_Scripts)

[http://en.linuxreviews.org/HOWTO\\_Convert\\_video\\_files](http://en.linuxreviews.org/HOWTO_Convert_video_files)

## TUTORIAL:

**a script to convert to smaller image- and filesize**

(web viewing quality: 10 fps, 320x240)

```
mencoder "xx.avi" -ofps 10 -ovc xvid -oac mp3lame
-vf scale -zoom -xy \320 -xvidencopts fixed_quant=20 -o "xx.AVI"
```

xx.avi	=	input file
-ofps	=	frames per second
-ovc	=	codec for video output
-oac	=	codec for audio output
-vf scale	=	imagesize (-vf scale=720:576)
fixed_quant	=	specifies "quality level" <1-31> 31 is lowest
-o	=	output file

Installation

with synaptic



# FFMPEG2THEORA

<http://www.v2v.cc/~j/ffmpeg2theora/examples.htm>

## TUTORIAL:

**a script for converting a dvd TS\_video folder to ogg**

```
ffmpeg2theora -o output.ogg VTS_01_1.VOB
```

Installation

with synaptic

# CONVERTIT

<http://www.sciallo.net/ConvertIT/IndiceEN.html>

**“ConvertIT is a new mencoder \ffmpeg\ ffmpeg2theora ....GUI/ grafical user interface”**

## Installation

„...ConvertIT is only a interface, and so it is based on mencoder mplayer ffmpeg etc..and therefore needs these programs, install them from medibuntu repo“  
install **HowTo** here: <http://ubuntuforums.org/showthread.php?t=567016>

### requirements:

(gambas2\_runtime  
gambas2\_kde  
gambas2\_qt) comes with convertit in synaptic

**ffmpeg**  
**ffmpeg4theora**  
**mencoder**  
**mplayer**  
**imagemagick**

### ad repository:

```
sudo gedit /etc/apt/sources.list  
add: deb http://www.sciallo.net/UbuntuRepo/myrepo binary/  
sudo apt-get update
```

install convertit with synaptic  
OPEN and USE :)

# CONVERTIT

## TUTORIAL

**script for converting a flash video to a mp3 soundfile:**

e.g. a youtube video

look in `.mozilla/firefox/xxxxx.default/Cache/`

name `video.flv` on Desktop

**open convertIt from applications/ sound & video**

search for 'Conversion Type' (SPECIAL: ANY -> MP3)

'Add File'

name 'Output Folder'

'Convert'

# LiVES

<http://en.wikipedia.org/wiki/LiVES>

<http://lives.sourceforge.net/>

## Installation

download here: <http://lives.sourceforge.net/index.php?do=downloads>  
 extract on desktop, read README file in extracted lives folder for Requirements

### Requirements

Linux 2.x or BSD or openMosix or IRIX or OSX/Darwin (other UNIX untested)  
 mplayer 0.90rc1+ compiled with jpeg support  
 ImageMagick 5  
 perl 5+  
 gtk+ 2.8+  
 libjpeg62  
 gdk-pixbuf-loaders  
 sox (recommended)  
 transcode (recommended)  
 mencoder (recommended)  
 libjpeg-tools (recommended)  
 xmms (optional)  
 cdda2wav (optional)

### found in synaptic:

mplayer 2:1.0	= installed
imagemagick 7:6	= installed
libperl5.8	= installed
gtk2-engines -theme engines for GTK+ 2.x	= installed
libjpeg62	= installed
libgdk-pixbuf2	install
sox (Swiss army knife of sound processing)	install
transcode	install
libgtk2.0-dev	install
sudo apt-get install build-essential	
mencoder	= installed
libjpegtools0c2a	= installed
in terminal: cd into lives directory: ./configure && make install	

# LIVES

You can use the following keys during playback to control LIVES:-

Recordable keys (press 'r' before playback to make a recording)

-----		Other playback keys
ctrl-left	skip back	
ctrl-right	skip forwards	
ctrl-up	faster/increase effect	p play all
ctrl-down	slower/decrease effect	y play selection
ctrl-enter	reset frame rate	q stop
ctrl-space	reverse direction	
ctrl-backspace	freeze frame	<b>f fullscreen</b>
n	nervous	<b>s separate window</b>
<b>ctrl-page up</b>	<b>previous clip</b>	
<b>ctrl-page down</b>	<b>next clip</b>	
<b>ctrl-1</b>	<b>toggle real-time effect 1</b>	
ctrl-2	toggle real-time effect 2	
	...etc...	
ctrl-0	real-time effects off	
<b>k</b>	<b>grab keyboard for last activated effect</b>	
<b>m</b>	<b>switch effect mode (when effect has keybo.</b>	
x	swap background/foreground	
f1	store/switch to clip mnemonic 1	
f2	store/switch to clip mnemonic 2	
	...etc...	
f12	clear function keys	
		d double size
		g ping pong loops

# APPLICATIONS

Applications/ Internet/ Firefox

Applications/ Accessoires/ Terminal

Applications/ Graphics/ gThumb Image Viewer

Applications/ Sound & Video/ GTK-RecordMyDesktop

Applications/ Applications/ ConvertIt

Applications/ Applications/ Avidemux

Applications/ Applications/ Kino

Applications/ Graphics/ Gimp

Applications/ Sound & Video/ LiVES