Karmic: get the latest drivers for gspca, uvc, usbvideo and other

Posted on [3 novembre 2009](#) by [Stemp](#)| [28 commentaires](#)

Hercules Classic Link 06f8:3009

La version Française se trouve [ici](#).

I already mentioned the [gspca](#) driver and libv4l in the post [\[fr\] Intrepid, les Webcams et les drivers Gspca](#). Unfortunately the topic is still relevant, the drivers being developed much faster than their integration into the distros kernel.

It's time to update informations and expand them to all the drivers from [linuxtv.org](#) (V4L-DVB). For a list of the webcams please check the [wiki](#) (uvc, gspca, quickcam, Microdia, linux-uvc, etc …).

The procedure does not really change.

Installing needed packages:

```
sudo aptitude install mercurial build-essential linux-headers
libncurses5-dev
```

Retrieving sources (from [Douglas Schilling Landgraf](#) V4L/DVB backports repository):

```
hg clone http://linuxtv.org/hg/v4l-dvb/
```
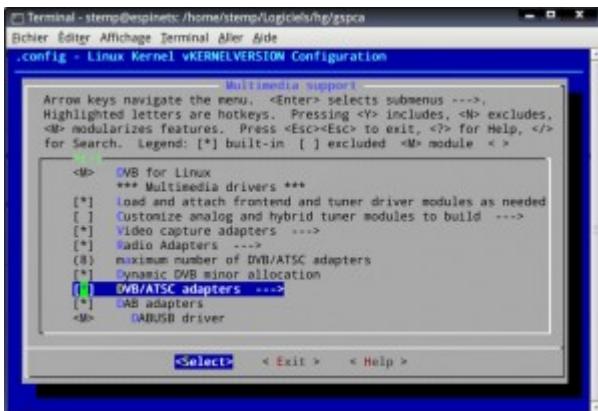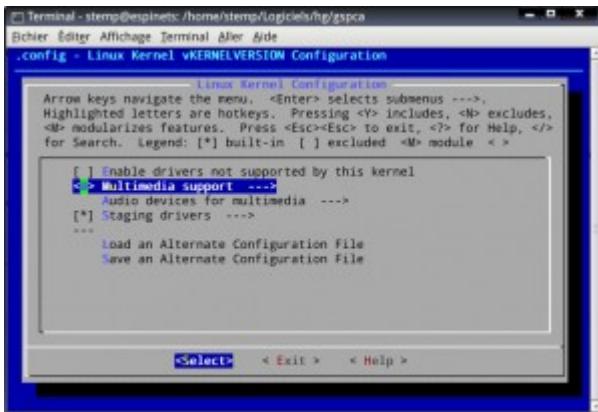
Copy the configuration file:

```
cd v4l-dvb
sudo cp /boot/config-`uname -r` v4l/.config
```

Note: currently FireDTV drivers do not compile easily (you need all the kernel sources) and are rarely used, we will disable them in the configuration.

Launch configuration:
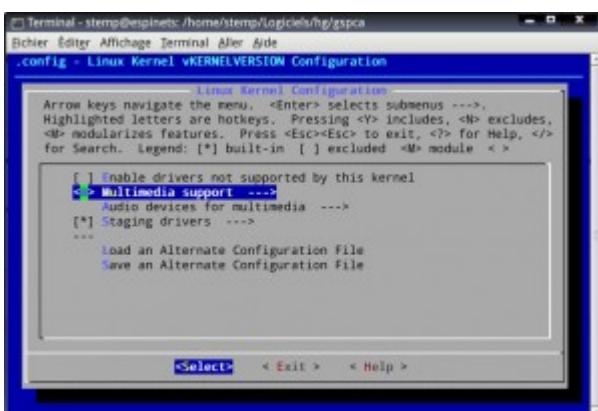
```
sudo make menuconfig
```

Disable FireDTV support (Multimedia Support -> DVB/ATSC adapters -> set the option blank on FireDTV and FloppyDTV):
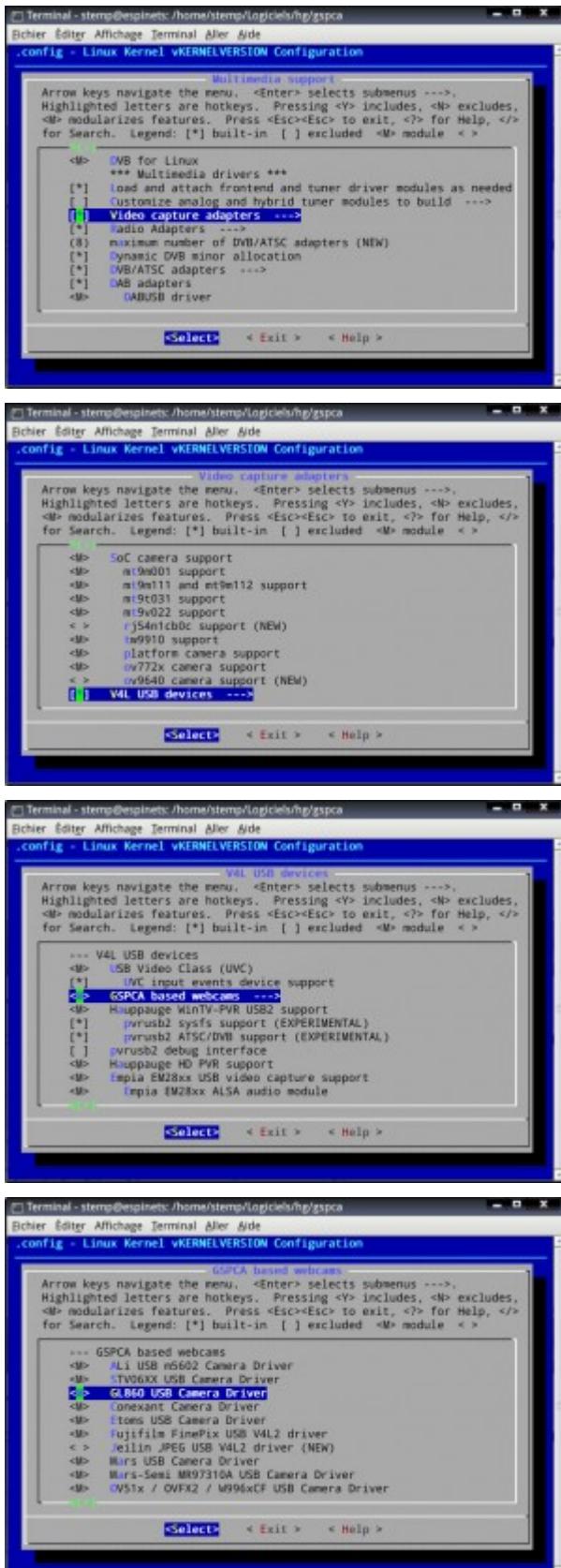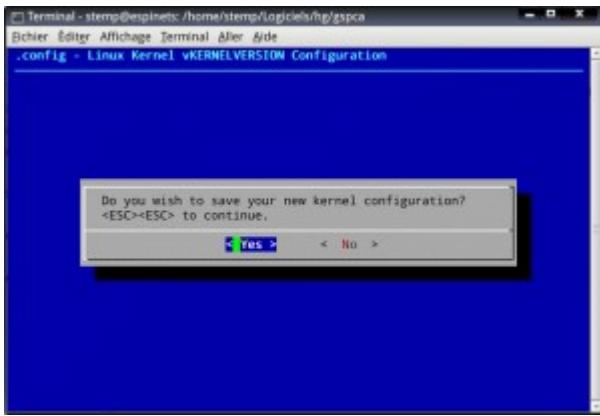
Exit, Exit.

Now let's take care of usb webcams (Multimedia Support -> Video Capture adapters -> V4L USB devices)
Activate new modules drivers (press M on those marked NEW), in gspca for example:

Once the new drivers are enabled (M for module instead of a space), we can leave. Exit, Exit, etc…
and save:

Launch the compilation:

```
make
sudo make install
```

If everything ok go to the next step, because the drivers also require the latest versions of libv4l.
For karmic it's easy:

```
sudo add-apt-repository ppa:libv4l
```

Get the latest version if necessary:

```
sudo aptitude update
sudo aptitude full-upgrade
```

Restart and enjoy your new drivers.