

# Configuration

## nVidia integrated graphics GeForce 6150SE

There might be better ways to do this, but for me the following procedure worked:

1. Connect a VGA monitor together with a DVI monitor, delete `/etc/X11/xorg.conf`, reboot
2. Install nVidia driver version 173.14.28, which is not the current driver but the previous one (did not succeed when installing the current driver)
3. Start Applications/System/NVIDIA Server Settings, then open **X Server Display Configuration**
4. Set the digital monitor to absolute position, VGA monitor to relative, display mode to TwinView
5. Copy content of X Configuration File to `/etc/X11/xorg.conf`
6. Reboot and disconnect VGA monitor
7. if KDE shows any display issues, delete folder `~/.kde` and reboot again

Install `glxinfo` to check whether nvidia's `glx` module was loaded:

```
apt-get install mesa-utils
```

## Plymouth splash screen

After installing the proprietary nVidia drivers, the splash screen is broken. To get it back, do the following (as root):

```
apt-get install v86d hwinfo
```

Find the supported resolutions by using `hwinfo`, e.g. output of highest resolution: Mode 0x03f0: 1280x1024 (+5504), 24 bits

```
hwinfo --framebuffer
```

Edit `/etc/default/grub` to make sure we boot with `uvesafb` framebuffer. For the `mode_option` parameter change to your native screen resolution you see from running the above comment:

```
...  
GRUB_CMDLINE_LINUX_DEFAULT="quiet splash nomodeset  
video=uvesafb:mode_option=1366x768-24,mtrr=3,scroll=ywrap"  
...  
GRUB_GFXMODE=1366x768
```

Edit `/etc/initramfs-tools/modules` to include `uvesafb` by adding the following line:

```
uvesafb mode_option=1280x1024-24 mtrr=3 scroll=ywrap
```

Force the use of framebuffer:

```
echo FRAMEBUFFER=y | tee /etc/initramfs-tools/conf.d/splash
```

Update grub and initramfs, then reboot:

```
sudo update-grub2
sudo update-initramfs -u
```

## Change keyboard layout system wide

```
setxkbmap us
sudo dpkg-reconfigure console-setup
```

After starting console-setup, go through the different screens and confirm your new layout.

## Accessing Samba shares

First, install the samba filesystem:

```
apt-get install smbfs
```

To manually mount a samba share:

```
mount -t smbfs -o username=<username> //<servername>/<sharename>
/mnt/point/
```

To have the samba share mounted during boot-time, edit fstab:

```
mkdir /mnt/<sharename>
vim /etc/fstab
//<servername>/<sharename> /mnt/<sharename> smbfs
username=<username>,password=<pwd> 0 0
```

## Firefox

Instructions to install the flash plugin on 64-bit Ubuntu 10.04:

<http://blog.mattrudge.net/2010/09/23/new-64-bit-flash-installer-for-ubuntu-10-04-lucid-lynx/>

```
http://www.mattrudge.net/files/flash-square-installer.tar.gz
cd ~/Downloads
tar xvf flash-square-installer.tar.gz
chmod +x flash-square-installer.sh
./flash-square-installer.sh
```

Restart Firefox.

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