

Ubuntu 14.04 & Win 8.1 – Dualboot on Acer Aspire E3-112-C4LF

Synopsis

With a little bit finetuning the Aspire E3-112 works great with Ubuntu 14.04.

Wifi	works
Touchpad	works
Loudness	works
Headphone Jack	works
Suspend	works
Brightness	works
Bluetooth	works
Bootmenu	works
Function keys	work

Installing / Finetuning

Before Ubuntu 14.04 installation:

- shrink Windows-Partition
- disable „secure boot“ in BIOS-Setup
- enable „BOOTMENU F12“ in BIOS-Setup
- create a bootable USB drive with GPT partition scheme ([Rufus](#)) with Ubuntu 14.04
- Install Ubuntu

After Ubuntu 14.04 installation:

Fixing the Backlight-Problem

Problem: Ubuntu forgets the value for brightness.

The startup value of the backlight-brightness is stored in
`/sys/class/backlight/intel_backlight/brightness`

How to fix:

First step:

open terminal

```
sudo gedit /etc/rc.local
```

insert the following line above „exit 0“:

```
echo 700 > /sys/class/backlight/intel_backlight/brightness
```

Save file.

Second step:

```
sudo gedit /usr/share/X11/xorg.conf.d/20-intel.conf
```

Section „Device“

Identifier „card0“

```
Driver „intel“  
Option „Backlight“ „intel_backlight“  
BusID „PCI:0:2:0“  
EndSection
```

save file and restart system.

Seen at: <http://www.hecticgeek.com/2012/09/ubuntu-12-04-resetting-your-displays-brightness-levels-fix/>

Fixing the Bootmenu Problem

Problem: There is no bootmenu after installing Ubuntu.

How to fix:

In Win 8.1 install and start EasyUEFI. disable button „Windows Boot Menu“. Reboot system. Now the grubmenu will appear on start up.

Fixing the jumpy mouse

The touchpad works excellently out of the box. No need to adapt the parameters with synclient or xinput. The frequently reported issue of the „jumping cursor“ is a mechanical problem of the improper grounding of the touchpad.

Problem: After some time the touchpad gets hypersensitive and the mouse cursor randomly runs over the screen and can't be stopped.

Although the touchpad has excellent properties, this issue is often described but rarely solved completely. It's definitely a mechanical problem caused by a very (!) poor grounding of the touchpad. The jumpy mouse appears on windows and linux both (windows has a better routine to freeze the cursor and to avoid uncontrolled clicks). The jumpy mouse can be started by bending the case which cants the touchpad in its opening. The same effect appears after some minutes of operating: The battery temperature rises, the touchpad warms up, expands and moves the improper fixed grounding cable.

How to fix:

[How to make a proper ground connection](#)

This finally worked for me!

Upgrading RAM with 8GB SO DDR3L 1600 CL11 Crucial CT102464BF160B

For upgrading RAM visit „https://www.youtube.com/watch?v=5OT_RnjMess“ This is a very helpful video for changing parts of the notebook! You do not need to remove all connections from the motherboard as shown in the video: Only the screen connector has to be disconnected. Then lift the motherboard and change the RAM.

That's it.