

Release Note of Ubuntu 16.04 LTS (v1.1)

Summary

Release Date	2016-10-11
Release Type	Update

File name : ubuntu-16.04-mate-odroid-**xu3**-20161011.img

XU3 OS image is fully compatible with XU4.

Download from below servers

- Official US West Coast: http://odroid.in/ubuntu_16.04lts
- Official US East Coast: http://east.us.odroid.in/ubuntu_16.04lts (Thanks to David Beauchamp @ [archlinuxarm](#))
- Official EU Germany: http://de.eu.odroid.in/ubuntu_16.04lts
- Official Korea Mirror: <http://dn.odroid.com/5422/ODROID-XU3/Ubuntu/>

New features

- Ubuntu 16.04.1
- Updated Mali GPU driver to the latest **r14p0** with VSYNC implementation
- Mali for VSYNC support (start the application with FORCE_VSYNC=1 ./myAPP)
- Mali now honors eglSwapInterval (for VSYNC)
- Kernel 3.10.103
- fstrim support on eMMC
- 3.5" LCD & Touchscreen driver
- Better USB Storage class support
- dmccrypt fix CPU hotplug support
- xpad joystick support
- zram support
- fix 1024x768 resolution issue
- debloat zImage a little

Known issues and tips

- Chromium version is on hold version 48 due to issues with newer versions.
- Kodi crashing when exit if CEC option is enabled while your display doesn't support CEC.
- [EnergyMonitor](#) app was removed. Build and install it with source code if you need it.
- Tons of issues undocumented. 🙄
- The root file system will be resized in the first booting process. OS will reboot automatically to complete the resizing process.

- To enable Auto-login, edit /usr/share/lightdm/lightdm.conf.d/60-lightdm-gtk-greeter.conf file like this.
- This image is not compatible with new Orange eMMC module.

```
[SeatDefaults]
greeter-session=lightdm-gtk-greeter
autologin-user=odroid
```

Access Credentials

Username	Password
root	odroid
odroid	odroid

Kodi crashing when exit (workaround)

The Kodi(xbmc) crashes when exit on non-CEC monitor.

Update the system with “sudo apt update && sudo apt dist-upgrade” and reboot.
Then the CEC configuration is disabled in the boot.ini file by default.

- /media/boot/boot.ini

```
# --- HDMI CEC Configuration ---
# -----
setenv cecenable "false" # false or true
```

How to Update system and kernel software. Don't forget dist-upgrade

```
sudo apt update
sudo apt upgrade
sudo apt dist-upgrade
sudo apt install linux-image-xu3
sudo reboot
```

Linux Kernel

This guide is only for the NATIVE BUILD. Run it on the board.

For Kernel and DTB

```
$ git clone --depth 1 https://github.com/hardkernel/linux -b
odroidxu3-3.10.y
```

```
$ cd linux
$ make odroidxu3_defconfig
$ make -j9
$ sudo make modules_install
$ sudo cp -f arch/arm/boot/zImage /media/boot
$ sudo cp -f arch/arm/boot/dts/exynos5422-odroidxu3.dtb /media/boot
```

For RAMDISK (Optional)

```
sudo cp .config /boot/config-`make kernelrelease`
sudo update-initramfs -c -k `make kernelrelease`
sudo mkimage -A arm -O linux -T ramdisk -C none -a -e -n uInitrd -d
/boot/initrd.img-`make kernelrelease` /boot/uInitrd-`make kernelrelease`
sudo cp /boot/uInitrd-`make kernelrelease` /media/boot/uInitrd
```

From:

<http://wiki.odroid.com/> - **ODROID Wiki**

Permanent link:

http://wiki.odroid.com/odroid-xu4/os_images/linux/ubuntu/20161011

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