

Release Note of Android (v1.8)

Summary

Release Date	May/14/2015 (TBD)
Release Type	Regular release
Release Files	update.zip (MD5SUM:c0f16847d338e550815576d9ba738716)

New updates

- Fix to work microphone input from the earphone.
- **WiFi** USB dongle #4 driver is updated
 - Updated with backported Linux driver 3.18.1-1 from [here](#)
- WPS feature is verified with **WiFi** USB dongle #3 and #4
- Improve the performance of USB 3.0 Ethernet (AX88179)
- Fix the wrong EDID option.
- Fix 64G eMMC booting problem.
- Fix the wrong touch coordinate when HDMI screen is rotated on portrait
- Supporting Pinch Zoom-In/Out with mouse-wheel.

Known issue

- The boot-animation is not correctly working in the portrait mode

How to checkout

```
$ repo init -u https://github.com/hardkernel/android.git -b  
5422_4.4.4_master  
$ repo sync  
$ repo start 5422_4.4.4_master --all
```

Linux Kernel

We've merged the Kernel source into the Android repo. Android build-script also includes the Kernel compile.

Android Source

```
$ ./build.sh odroidxu3
```

Reference boot.ini

NO-EDID 1080P

[boot.ini](#)

```
ODROIDXU-UBOOT-CONFIG

setenv fb_x_res "1920"
setenv fb_y_res "1080"

setenv vout "hdmi"

setenv left      "56"
setenv right     "24"
setenv upper     "3"
setenv lower     "3"
setenv hsync     "14"
setenv vsync     "3"

setenv hdmi_phy_res "1080p60hz"

setenv edid "0"

setenv led_blink      "1"

setenv bootcmd      "movi read kernel 0 40008000;bootz 40008000"

setenv bootargs      "fb_x_res=${fb_x_res} fb_y_res=${fb_y_res}
vout=${vout} hdmi_phy_res=${hdmi_phy_res} edid=${edid} left=${left}
right=${right} upper=${upper} lower=${lower} vsync=${vsync}
hsync=${hsync} led_blink=${led_blink}"
boot
```

EDID 1080P

[boot.ini](#)

```
ODROIDXU-UBOOT-CONFIG

setenv fb_x_res "1920"
setenv fb_y_res "1080"

setenv vout "hdmi"
```

```
setenv left      "56"  
setenv right     "24"  
setenv upper     "3"  
setenv lower     "3"  
setenv hsync     "14"  
setenv vsync     "3"  
  
setenv hdmi_phy_res "1080p60hz"  
  
setenv edid      "1"  
  
setenv led_blink      "1"  
  
setenv bootcmd        "movi read kernel 0 40008000;bootz 40008000"  
  
setenv bootargs       "fb_x_res=${fb_x_res} fb_y_res=${fb_y_res}  
vout=${vout} hdmi_phy_res=${hdmi_phy_res} edid=${edid} left=${left}  
right=${right} upper=${upper} lower=${lower} vsync=${vsync}  
hsync=${hsync} led_blink=${led_blink}"  
boot
```

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Permanent link:

http://wiki.odroid.com/odroid-xu4/os_images/android/v1.8

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