

Release Note of Android (v1.6)

Summary

Release Date	Jan/13/2015 (TBD)
Release Type	Regular release
Release Files	update.zip (MD5SUM:717dd7e16eb24e27f545a03e0d7c78e3)

New updates

- Support ODROID-XU3 Lite model
- Support HDMI 720p/1080p resolution with configurable EDID option
- Fix the wrong display of Navigation bar in 720p mode.
- Change the display(DSIM) configuration. It fixed the instability of web-browser and media-player.
- Support HDMI 1280×800 resolution for ODROID-VU.
- Fix the bug of USB Bluetooth detection algorithm
- Support RT5570STA [WiFi](#) controller (Dual-band [WiFi](#) module will be available soon)
- eMMC 5.0 timing tune for new coming(soon) 8GB 5.0 module.
- HDMI PHY signal tuning via boot parameters.

How to checkout

```
$ repo init -u https://github.com/hardkernel/android.git -b  
5422_4.4.4_master -m manifeset-5422_4.4.4_v1.4  
$ repo sync  
$ repo start 5422_4.4.4_master --all
```

Linux Kernel

We've merged the Kernel source into the Android reop. 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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