

# Release Note of Android (v1.3)

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## Summary

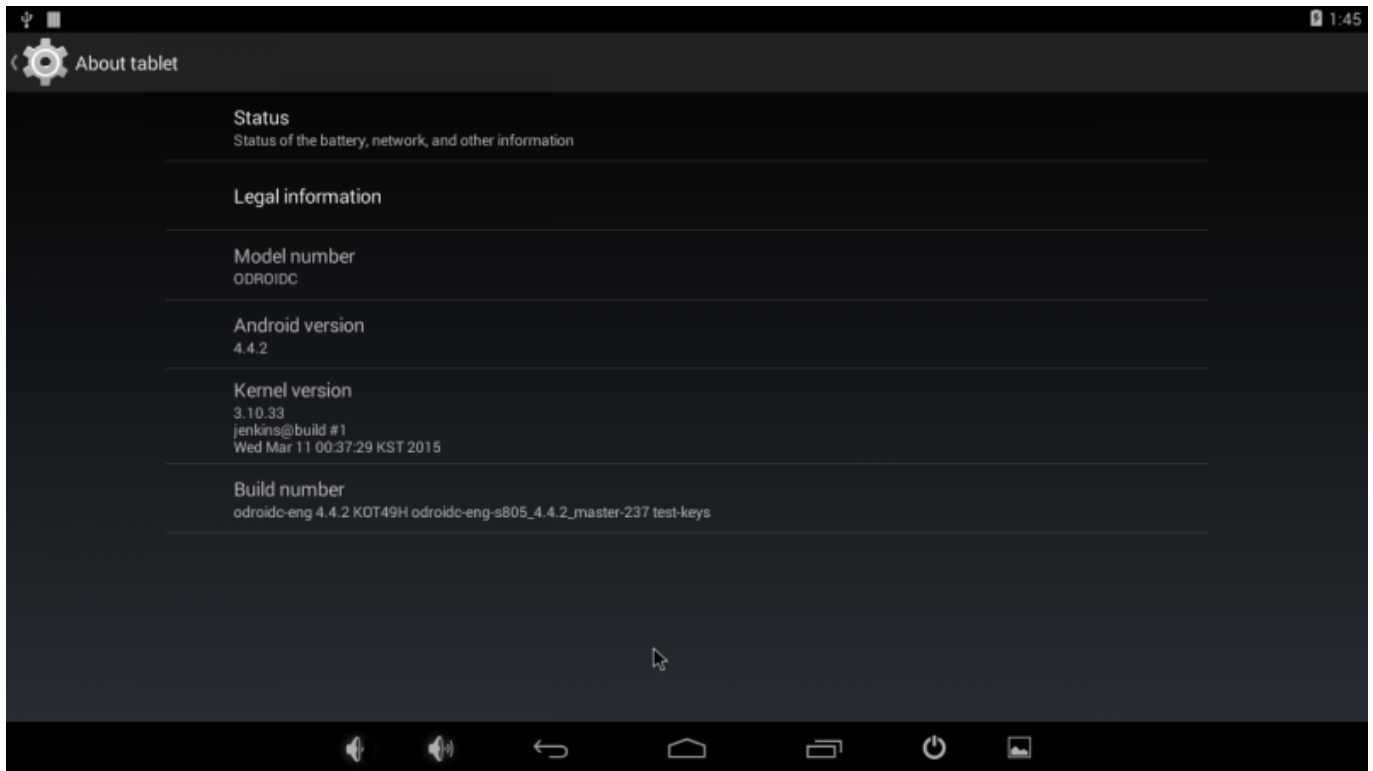
Release Date	Mar/13/2015 KST
Release Type	Regular release
Release Files	<a href="#">Self-installation Image</a> (MD5SUM:1acc0babfee3df74da4d226c28101848)

## New updates

- Supported CEC (limited feature).
  - Have been tested to **Samsung TV / Anynet+**.
  - Other vendors would not be supported.
  - H/W workaround would be required.
    - <http://forum.odroid.com/viewtopic.php?f=111&t=7540&sid=c26b6cddcbbc275ba02875186eccc1b0&start=50#p71994>
- Dummy battery is supported.
  - Android will read the battery status as always fully charged and AC plug is attached.
- Default CPU governor is changed to **PERFORMANCE**.
- Update files by **fastboot** is released.

## Known issues

- No sound on USB Audio Adapter - **FIXED**
- 800×480 resolution support - **FIXED**
- DVI output is not supported on HDMI - **FIXED**



## Update Instruction

### Self Installation

You can install the release to your [MicroSD](#) or eMMC with the tool **dd** in Linux or **Win32DiskImager** in Windows. Please refer [this](#) for more detail.

### Fastboot Update

You can update the release by **fastboot** if you have [MicroSD](#) or eMMC already Android installed. If you have **USB-Serial kit**, you can enter to **Fastboot** mode when you execute the command **fastboot** on U-boot command line. Or if you run execute **reboot fastboot** from Android shell command line, your **ODROID-C1** will reboot and get into **fastboot** mode immediately. You can check if your **ODROID-C1** is attached via USB with the command **fastboot devices** in your desktop.

```
$ sudo fastboot flash bootloader u-boot.bin
$ sudo fastboot flash dtb meson8b_odroidc.dtb
$ sudo fastboot flash boot kernel
$ sudo fastboot flash recovery recovery.img
$ sudo fastboot flash logo hardkernel-720.bmp
$ sudo fastboot flash system rootsystem.img
$ sudo fastboot flash userdata userdata.img
$ sudo fastboot flash cache cache.img
$ sudo fastboot reboot
```

## How to checkout

You can checkout Android source tree, please refer [this page](#) for more detail. **Please note, Android source tree is uploading and would be completed in 1-2 days.**

### Android

```
$ mkdir odroid-cl
$ cd odroid-cl
$ repo init -u https://github.com/hardkernel/android.git -b
s805_4.4.2_master
$ repo sync
$ repo start s805_4.4.2_master --all
```

### ODROID Utility

```
$ git clone --depth 1
https://github.com/codewalkerster/android_packages_apps_Utility.git -b
s805_4.4.2_dev_master
```

## Reference boot.ini

This is the reference **boot.ini** to customize the boot configuration instead of default. You can just download it and copy into VFAT partition of your [MicroSD/eMMC](#), it will be affected on next boot immediately. Not like Hardkernel's Ubuntu release, this **boot.ini** does not require **ulmage** and **meson8b\_odroidc.dtd**. This will read such files from the booting card directly.

### [boot.ini](#)

#### ODROIDC-UBOOT-CONFIG

```
# Possible screen resolutions
# Uncomment only a single Line! The line with setenv written.
# At least one mode must be selected.

# setenv m "vga" # 640x480
# setenv m "480p" # 720x480
# setenv m "576p" # 720x576
# setenv m "800x480p60hz" # 800x480
# setenv m "800x600p60hz" # 800x600
# setenv m "1024x600p60hz" # 1024x600
# setenv m "1024x768p60hz" # 1024x768
# setenv m "1360x768p60hz" # 1360x768
# setenv m "1366x768p60hz" # 1366x768
# setenv m "1440x900p60hz" # 1440x900
```

```
# setenv m "1600x900p60hz" # 1600x900
# setenv m "1680x1050p60hz" # 1680x1050
# setenv m "720p" # 720p 1280x720
# setenv m "800p" # 1280x800
# setenv m "sxa" # 1280x1024
# setenv m "1080i50hz" # 1080I@50Hz
# setenv m "1080p24hz" # 1080P@24Hz
# setenv m "1080p50hz" # 1080P@50Hz
setenv m "1080p" # 1080P@60Hz
# setenv m "1920x1200" # 1920x1200

# HDMI/DVI Mode Configuration
setenv vout_mode "hdmi"
# setenv vout_mode "dvi"

# UHS Card Configuration
# Uncomment the line below to __DISABLE__ UHS-1 MicroSD support
# This might break boot for some brand/models of cards.
setenv disableuhs "disableuhs"

# CEC Configuration
setenv cecconfig "cecf"

# Booting
setenv bootargs "root=/dev/mmcblk0p2 rw console=ttyS0,115200n8
no_console_suspend vdacfg=${vdac_config}
logo=osd1,loaded,${fb_addr},${outputmode},full hdmimode=${m}
cvbmode=${cvbmode} hdmitype=${ceconfig} vout=${vout_mode}
${disableuhs} androidboot.serialno=${fboot_id#}"
setenv bootcmd "movi read boot 0 0x12000000; movi read dtb 0
0x12800000; bootm 0x12000000 - 0x12800000"
run bootcmd
```

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