

Steps to build AOSP 4.2 for Samsung Skyrocket

Download the AOSP 4.2 source by following directions on website

<http://source.android.com/source/downloading.html>

- change `repo init -u https://android.googlesource.com/platform/manifest -b android-4.0.1_r1` to `repo init -u https://android.googlesource.com/platform/manifest -b android-4.2_r1`
- follow directions up to 'repo sync'

copy over these 4 folders from the cm10 repo to aosp repo

- 1.) device/samsung/skyrocket
- 2.) device/samsung/msm8660-common
- 3.) device/samsung/celex-common
- 4.) kernel/samsung/msm8660-common

get the proprietary blobs

run these commands:

`mkdir vendor`

`git clone https://github.com/TeamChopsticks/proprietary_vendor_samsung.git vendor/samsung`
(this will add the folder vendor/samsung/skyrocket which has the proprietary blobs)

need to add these changes to AOSP repo

https://github.com/CyanogenMod/android_hardware_libhardware/commit/6f3fda3e6daf09650b9a5639f4bf8d692243c46a

https://github.com/CyanogenMod/android_hardware_libhardware/commit/96a22234baf20cbd5b09e0fe42a8690ff9622883

must add /device/samsung/skyrocket/AndroidProducts.mk to device tree

contents of file must include:

```
PRODUCT_MAKEFILES := \  
    $(LOCAL_DIR)/full_skyrocket.mk
```

change all instances of cm_skyrocket to full_skyrocket in device/samsung/skyrocket

run this command:

`find "device/samsung/skyrocket/" -type f -exec sed -i 's/cm_skyrocket/full_skyrocket/' {} \;`

add TARGET_ARCH to device/samsung/skyrocket/BoardConfig.mk

`TARGET_ARCH := arm`

delete cm10 specific overlay config contents ## (will edit this more thoroughly tomorrow)

delete everything between `<resources>` & `</resources>`

device/samsung/msm8660-common/overlay/frameworks/base/core/res/res/values/config.xml

device/samsung/celex-common/overlay/frameworks/base/core/res/res/values/arrays.xml

device/samsung/celox-common/overlay/packages/apps/Settings/res/values/config.xml
device/samsung/celox-common/overlay/packages/apps/Phone/res/values/config.xml

copy the kernel.mk from cm10

cp /cm10/path/build/core/tasks/kernel.mk build/core/tasks/kernel.mk

edit that kernel.mk file and look for (line 27) KERNEL_OUT :=
\$(TARGET_OUT_INTERMEDIATES)/KERNEL_OBJ

you need to change that. delete \$(TARGET_OUT_INTERMEDIATES) and make it say what
your absolute path to that folder is. for example i put

KERNEL_OUT := /mnt/android/aosp4.2/out/target/product/skyrocket/obj/KERNEL_OBJ

start building

. build/envsetup.sh (notice the period and space in the front)

lunch

{pick the number for full_skyrocket}

make -j{number of cores +1} otapackage (i have 2 quad core cpus in my computer so i do -j9)

note: if you start building and then make some changes to any *.mk files in your device tree you
have to do 'make clobber' before you do 'make otapackage' again to clean your out directory.
also if you make any changes to the kernel make sure you 'cd kernel/samsung/msm8660-
common' and 'make clean && make mrproper'

IMPORTANT

this will get you a complete build. so far it is not booting because we need to do some ramdisk
edits. please help editing the ramdisk to get this booting.

ramdisk: check this post <http://forum.xda-developers.com/showpost.php?p=34116196&postcount=68>

our init.emmc.rc will need to be edited to reflect this new storage convention. im not sure if
anything else will need to be changed.

Download: Latest CWM with 4.2 Support

sk8erwitskil: ClockworkMod v6.0.1.5 Touch v14.2.1 (11/17/12)

<http://forum.xda-developers.com/showthread.php?t=1777970>

testing notes ## (not sure if these work yet)

use googles version of headers

edit device/samsung/msm8660-common/BoardCommonConfig.mk

#TARGET_SPECIFIC_HEADER_PATH := device/samsung/msm8660-common/include