

# **S5PV210 Mango210**

## **Android Initializing a Build Environment On ubuntu 12.04**

<http://www.mangoboard.com/>

[CRZ-Tech](#)

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# Document History

Revision	Date	Change note

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# 1. S5PV210 Mango210 Android Initializing a Build Environment On ubuntu 12.04

참고 : <http://source.android.com/source/initializing.html>  
<http://cafe.naver.com/embeddedcrazyboys/18501>

## 1.1. Installing required packages (Ubuntu 12.04)

Building on Ubuntu12.04 is currently only experimentally supported and is not guaranteed to work on branches other than master.

```
$ sudo apt-get install git-core gnupg flex bison gperf build-essential \
zip curl libc6-dev libncurses5-dev:i386 x11proto-core-dev \
libx11-dev:i386 libreadline6-dev:i386 libgl1-mesa-dev:i386 \
g++-multilib mingw32 openjdk-6-jdk tofrodos python-markdown \
libxml2-utils xsltproc zlib1g-dev:i386
```

Add packages

```
sudo apt-get install gcc-multilib
sudo apt-get install libc6-dev-i386
sudo apt-get install ia32-libs
sudo apt-get install lib32z-dev
sudo apt-get install libusb-dev:i386
```

```
$ sudo ln -s /usr/lib/i386-linux-gnu/mesa/libGL.so.1 /usr/lib/i386-linux-gnu/libGL.so
```

## 1.2. Install Tool Chain (Arm-2009q3)

```
$ cd /opt
$ sudo wget http://crztech.iptime.org:8080/Release/Toolchain/arm-2009q3-67-arm-none-
linux-gnueabi-i686-pc-linux-gnu.tar.bz2
$ sudo tar xvf arm-2009q3-67-arm-none-linux-gnueabi-i686-pc-linux-gnu.tar.bz2
```

## 1.3. Setting upccache

"~/bashrc" 수정

```
export USE_CCACHE=1
export CCACHE_DIR=~/.cache
```

안드로이드 소스 디렉토리에서 아래와 같이 수행

```
$ prebuilt/linux-x86/ccache/ccache -M 50G
```

## 1.4. GCC Setting

```
$ sudo apt-get install gcc-4.5 g++-4.5 build-essential gcc-4.5-multilib g++-4.5-multilib
$ sudo apt-get install gcc-4.5 g++-4.4 build-essential gcc-4.4-multilib g++-4.4-multilib
$ sudo update-alternatives --install /usr/bin/gcc gcc /usr/bin/gcc-4.6 40 ₩
--slave /usr/bin/g++ g++ /usr/bin/g++-4.6
$ sudo update-alternatives --install /usr/bin/gcc gcc /usr/bin/gcc-4.5 60 ₩
--slave /usr/bin/g++ g++ /usr/bin/g++-4.5
$ sudo update-alternatives --install /usr/bin/gcc gcc /usr/bin/gcc-4.4 80 ₩
--slave /usr/bin/g++ g++ /usr/bin/g++-4.4
$ sudo update-alternatives --config gcc
```

## 1.5. Java6 jdk install

JDK 버전 1.6.0\_26

```
$ cd /opt
$ sudo wget http://crztech.iptime.org:8080/Release/jdk/jdk1.6.0_26.tgz
$ sudo tar xf jdk1.6.0_26.tgz
```