Android I^{2}C
Touch Device Driver

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1. Description

This document will teach user how to add ILITEK touch driver into their Android kernel and how to use ILITEK touch utility on user Android platform.

2. Building I^{2}C Driver

a. Add I^{2}C device information into **i2c_board_info** structure

For example:

```
static struct i2c_board_info i2c_devs0[] __initdata = {
  /* … */
      { .type="ilitek_i2c", .addr=0x41, .irq=IRQ_EINT(15) },
  };
```

Note: IRQ must be changed to your platform's IRQ pin definition.

b. Put "ilitek_aimvX.c" file in "drivers/i2c/chips/" folder of your kernel

c. Add "obj-y +=ilitek_aimvX.o" command to the Makefile file in "drivers/i2c/chips/" folder

Note: X is version id.

3. Installing Android Application

a. Add "chmod 0777 /dev/ilitek_ctrl" command to "init.rc" file of Android

b. Put "ilitekTouchAP_I2C_ver1.4.X.apk" file in "/data/app" folder of Android

c. Note: X is version id.

4. Add idc file for Android

a. Put ilitek_i2c.idc file to "/system/usr/idc/" folder of Android

Note: The idc file name must be identical to the name used in the i2c_board_info

Revision History

Version No.	Date	Page	Description
0.01	2011/03/07	All	Firstly release
0.02	2011/05/12	3	Modified driver file name.
0.03	2011/09/30	3	Modified version id
0.04	2012/11/26	3	Method of adding idc files