

To use RS232 touch controller on Android, please follow the steps below:

1. Extracts the touch driver installation package in the Android_rs232_XXXXXXX/

2. Copy the file " rtouch.c " from "Android_rs232_XXXXXXX/rtouch/"
to "/your_android_src/kernel/drivers/input/touchscreen/"

3. Add the following line to /your_android_src/kernel/drivers/input/touchscreen/Makefile
`obj-$(CONFIG_TOUCHSCREEN_RTOUCH) += rtouch.o`

4. Add the following to /your_android_src/kernel/drivers/input/touchscreen/kconfig
`config TOUCHSCREEN_RTOUCH`

`tristate "Risintech serial touchscreens"`

`select SERIO`

`help`

Say Y here if you have a Risintech serial touchscreen connected to
your system.

If unsure, say N.

To compile this driver as a module, choose M here: the
module will be called rtouch.

5. Please enable SERIO support in kernel, first find .config in Android kernel source folder, and enable SERIO
related flags :

`CONFIG_SERIO=y`

`CONFIG_SERIO_SERPORT=y`

`CONFIG_SERIO_RAW=y`

`CONFIG_INPUT_TOUCHSCREEN=y`

then add the following line to .config

`CONFIG_TOUCHSCREEN_RTOUCH=y`

6. Copy the directory " touchattach " from directory "Android_rs232_XXXXXXX/"
to directory "/ your_android_src/external/" .

7. To build kernel and system .

Make your file system image (Detail steps please check user manual of your development board)

Install "Calibrate.apk" to image file

1.

x86 :

Copy your .iso to Android_rs232_XXXXXXX/

ARM:

Copy your system.img and ramdisk.img to Android_rs232_XXXXXXX/

2. Install Calibrate.apk to system.img

```
# cd Android_rs232_XXXXXXX/
```

```
# sudo bash setup.sh
```

3. The install script will automatically run "gedit init.sh" , please add a line :

```
modprobe rtouch
```

```
touchattach -rtouch --daemon /dev/ttySx
```

Note. Specifies the com port to connect to on the touch device

/dev/ttySx , x=0,1,2, etc.

then save and close gedit .

4.

X86:

Replace your old .iso.

ARM:

Replace your old system.img and ramdisk.img.