

## Advantech AE Technical Share Document

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Category	■ FAQ □ SOP	Related OS	Linux Debian7.8
Abstract	How to install touch driver on TPC-1840WP under Debian7.8		
Keyword	Touch driver , TPC-1840,TPC-2140, Debian7.8		
Related Product	TPC-1840,TPC-2140,SPC-1840,SPC-2140		

### ■ Problem Description:

Customer wants to install touch driver (eGalax) on TPC-xx40WP which is capacitive touch under Debian7.8.

### ■ Brief Solution - Step by Step:

1.

To install driver, please check module configuration as below:

#### Necessary:

1. EVDEV
2. UINPUT
3. HIDRAW ( USB Interface )
4. HID\_MULTITOUCH ( USB Interface & Kernel 3.0 upwards )

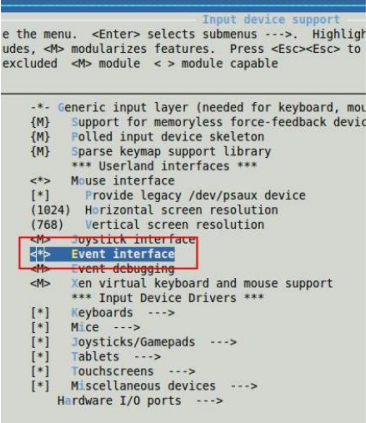
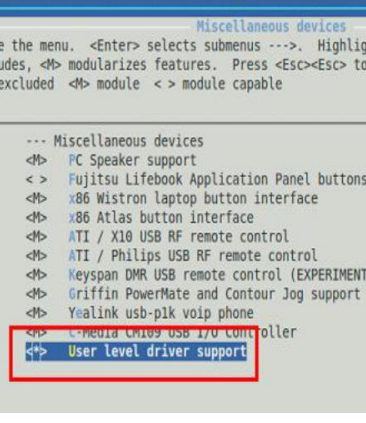
#### Remove:

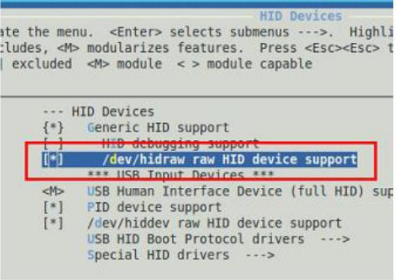
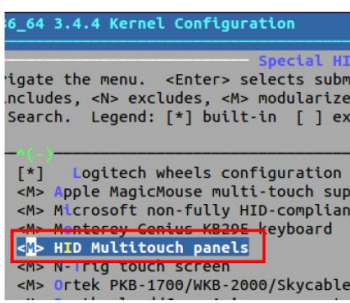
**CONFIG\_TOUCHSCREEN\_USB\_COMPOSITE**  
(USB Interface & PID 0001 controller)

2.

- You can check module configuration by “make menuconfig”
- To have make command , we should install it first if make command cannot found
  - aptitude install make
- To give the “make menuconfig” command, there are some steps need to be done(should run as root)
  - #aptitude update
  - #aptitude search libncurses
  - #aptitude install libncurses-dev
  - #aptitude install kernel-package
  - #aptitude build-dep linux-image linux-image-amd64
  - At last, use #make-kpkg --initrd binary to compile your kernel.
- You need to be in the root of the downloaded kernel source to run make menuconfig
  - # apt-get build-dep linux-image-\$(uname -r)
  - #apt-get source linux-image-\$(uname -r)
  - # cd linux\*
  - # make menuconfig

3. Here is the necessary of module configuration. You can use “make menuconfig” to choose it.

Necessary:	
[Device Drivers] / [Input device support] / [Event interface]	[Device Drivers] / [Input device support] / [Miscellaneous devices] / [User level driver support]
	

Necessary:	
[Device Drivers] / [HID Devices] / [/dev/hidraw raw HID device support] ( for USB Interface )	[Device Drivers] / [HID Devices] / Special HID drivers / HID Multitouch panels ( If Kernel Version 3.0 upwards & for USB Interface )
	

4. You need to remove USB touch driver

## Remove:

[Device Drivers] / [Input device support] /  
[Touchscreens] / [USB Touchscreen Driver]

### ( PID 0001 USB controller)

```
<M> Gunze AHL-51S touchscreen
<M> Elo serial touchscreens
<M> Wacom W8001 penabled serial touchscreen
<M> MELFAS MCS-5000 touchscreen
<M> MicroTouch serial touchscreens
<M> iNexio serial touchscreens
<M> ICS MicroClock MK712 touchscreen
<M> Penmount serial touchscreen
<M> Touchright serial touchscreen
<M> Touchwin serial touchscreen
<M> Philips UCB1400 touchscreen
<M> Support for WM97xx AC97 touchscreen controller
[*] WM9705 Touchscreen interface support
[*] WM9712 Touchscreen interface support
[*] WM9713 Touchscreen interface support
< > USB Touchscreen Driver
<M> Freescale MC13783 touchscreen input driver
<M> Sahara TouchIT-213 touchscreen
<M> TSC2007 based touchscreens
<M> TPS6507x based touchscreens
```

5.

Before running install setup script, please plug-in the controller first. Then you could execute script file **setup.sh** to automatically install driver.

Syntax:

sh setup.sh # To install the eGTouch driver.

sh setup.sh uninstall # To remove the eGTouch driver.

After installing the driver, reboot the TPC.

Available for multi-touch as kernel version is 2.6.36 above. If kernel version below 2.6.35, it could only support single point.

## ■ Reference



eGTouch\_v2.5.4330.L-x.zip