

USB 介面：

一. 修改 Kernel source code 加入觸控式螢幕 VID/PID

1. 編輯\linux-x.x.x.x\linux-x.x.x.x\drivers\hid\hid-ids.h

加入下面紅色部份：

```
#ifndef HID_IDS_H_FILE
#define HID_IDS_H_FILE
#define USB_VENDOR_ID_RISINTECH1 0x1BFD
#define USB_DEVICE_ID_RISINTECH1 0x1688
#define USB_VENDOR_ID_RISINTECH2 0x1BFD
#define USB_DEVICE_ID_RISINTECH2 0x1568
```

.....

2. 編輯\linux-x.x.x.x\linux-x.x.x.x\drivers\hid\usbhid\hid-quirks.c

加入下面紅色部份：

```
static const struct hid_blacklist {
    __u16 idVendor;
    __u16 idProduct;
    __u32 quirks;
} hid_blacklist[] = {
    ....
    { USB_VENDOR_ID_RISINTECH1, USB_DEVICE_ID_RISINTECH1, HID_QUIRK_MULTI_INPUT },
    { USB_VENDOR_ID_RISINTECH2, USB_DEVICE_ID_RISINTECH2, HID_QUIRK_MULTI_INPUT },
    { 0, 0 }
};
```

kernel 2.6.18 請修改\your_kernel_src\drivers\usb\input\hid-core.c

```
#define USB_VENDOR_ID_YEALINK 0x6993
#define USB_DEVICE_ID_YEALINK_P1K_P4K_B2K 0xb001
#define USB_VENDOR_ID_RISINTECH1 0x1BFD
#define USB_DEVICE_ID_RISINTECH1 0x1688
#define USB_VENDOR_ID_RISINTECH2 0x1BFD
#define USB_DEVICE_ID_RISINTECH2 0x1568
```

```
static const struct hid_blacklist {
    __u16 idVendor;
    __u16 idProduct;
    unsigned quirks;
} hid_blacklist[] = {
    .....
    { USB_VENDOR_ID_RISINTECH1, USB_DEVICE_ID_RISINTECH1, HID_QUIRK_MULTI_INPUT },
    { USB_VENDOR_ID_RISINTECH2, USB_DEVICE_ID_RISINTECH2, HID_QUIRK_MULTI_INPUT },
    { 0, 0 }
};
```

3. 開啟Framebuffer

執行

```
# make menuconfig
```

```
[*]VGA text console
```

```
[*]Video mode selection support
```

```
<*>Framebuffer Console support
```

4. 編輯 kernel 的".config" 將 HID 相關參數打開

```
CONFIG_HID_SUPPORT=y
```

```
CONFIG_HID=y
```

```
CONFIG_USB_HID=y
```

```
CONFIG_HID_PID=y
```

```
CONFIG_USB_HIDDEV=y
```

5. 重新編譯 kernel .

目的機配置

1. 將 LinearAp 複製到目的機的/usr/bin/

```
# cp -f ./LinearAp /usr/bin
```

2. 開啟終端機

3. 進入 root 許可權

4. 執行校正程式

```
# LinearAp
```