

以下来自于RTL8188SU USB网卡的文档:

Part 1: make 8712 USB Linux driver

(1) step1: uncompress the “rtl8712\_8188\_8191\_8192SU\_usb\_linux\_v2.6.x.x.2010xxxx.tar.gz” file.  
(in “driver” directory)

```
> tar zxvf rtl8712_8188_8191_8192SU_usb_linux_v2.6.6.0.20100625.tar.gz
```

(2) step2: make 8712 USB driver module

```
> make
```

(3) step3: clean the operation environment

```
> ./clean
```

(4) step4: insert 8712 USB modules

```
> insmod 8712u.ko
```

(5) step5: enable wlan0 interface

```
> ifconfig wlan0 up
```

(6) step6: setup IP address

```
> ifconfig wlan0 192.168.1.100
```

Part 2: Site Survey & connect to AP without security

step1: Site Survey

```
> iwlist wlan0 scan
```

(2) step2: Connect to AP

```
> iwconfig wlan0 essid “xxx”
```

我的作法:

1 解压驱动文件到Android Kernel内核树的驱动目录:

```
k_android2.3_kernel_v1.01/drivers/net/wireless/rtl818x/rtl8712
```

因为驱动文件复杂,为了避免污染原本的rtl818x目录,在其下新建子目录存放新驱动.

## 2 修改驱动配置文件:

修改rtl8712/config:

```
#  
# Automatically generated make config: don't edit  
#  
CONFIG_RTL8711=n  
CONFIG_RTL8712=y  
CONFIG_USB_HCI=y  
CONFIG_SDIO_HCI= n  
CONFIG_MP_INCLUDED=y  
CONFIG_PLATFORM_I386_PC=n  
CONFIG_PLATFORM_ARM_S3C= y  
CONFIG_PLATFORM_ARM_PXA= n  
CONFIG_PLATFORM_MIPS_RMI= n  
CONFIG_PLATFORM_RTK_DMP= n  
CONFIG_PLATFORM_MIPS_PLM= n  
CONFIG_PLATFORM_RTD2880B=n  
CONFIG_PLATFORM_MSTAR389=n  
CONFIG_MLME_EXT= n  
CONFIG_DRVEXT_MODULE= n
```

主要是切换编译目标为arm\_s3c,是我的开发板的类型.

## 3 添加Kconfig

内容基本参照rtl818x目录下的Kconfig中对rtl8187定义的内容,添加对rtl8712su的定义:

```
config RTL8712SU  
  
    tristate "Realtek 8712/8188/8191/8192SU USB Support"  
  
    depends on MAC80211 && USB
```

```
select EEPROM_93CX6
```

```
---help---
```

This is a driver for Realtek 8712/8188/8191/8192SU based cards.

These are USB based chips found in devices such as: Netgear WG111v2

Level 1 WNC-0301USB Micronet SP907GK V5 Encore ENUWI-G2 Trendnet

TEW-424UB ASUS P5B Deluxe/P5K Premium motherboards Toshiba Satellite

Pro series of laptops Asus Wireless Link Linksys WUSB54GC-EU v2

(v1 = rt73usb; v3 is rt2070-based, use staging/rt3070 or try

rt2800usb)

Thanks to Realtek for their support!

#下面的可以不要

```
if RTL8712SU
```

```
    menu "RTL8712SU Feature"
```

```
        config RTL8712SU_LEDS
```

```
        bool "RTL8712SU_LEDS"
```

```
        depends on RTL8712SU
```

```
        default y
```

```
        config CONFIG_MLME_EXT
```

```
        bool "use mlme ext"
```

```
        depends on RTL8712SU
```

```
        default y
```

```
        config CONFIG_MP_INCLUDED
```

```
        bool "use mp"
```

```
        depends on RTL8712SU
```

```
        default y
```

```
    endmenu
```

```
endif
```

然后修改rtl818x/Kconfig添加对新Kconfig的引用:

```
source "drivers/net/wireless/rtl818x/rtl8712/Kconfig"
```

#### 4 修改Makefile

修改rtl8712/Makefile:

```
CONFIG_BUILT_IN = y
```

否则会报找不到config文件.

#### 5 配置内核并编译

```
make menuconfig
```

添加对device drivers->Network device support->wireless lan->realtek 8712/8188/8191/8192SU

USB support的选择

编译:

```
make
```

#### 6 重新刷写内核,启动android,即可开启wifi了.