Install GW-US54Mini2 to Fedora 4.0

1. Unzip RT73_Linux_STA_Drv1.0.3.6.tar

Please key in "tar xf RT73_Linux_STA_Drv1.0.3.6.tar" under text mode or terminal. Or double click "RT73_Linux_STA_Drv1.0.3.6.tar" under Xwindow, and unzip the file.

2. Compile Makefile

Since "RT73_Linux_STA_Drv1.0.3.6.tar" supports Linux 2.4.x and 2.6.x version, we must compile Makefile before installation.

Open "RT73_Linux_STA_Drv1.0.3.6/Moudle" folder.

```
#If your Linux version is 2.4.x, please enter
cp Makefile.4    ./Makefile
#If your Linux version is 2.6.x, please enter
cp Makefile.6    ./Makefile
```

System will ask you if you want to overwrite Makefile, please enter yes to overwrite it

Note:

1. You can check Linux version through "uname –r" command.
2. If your Linux version is 2.4.x, please enter this command to continue

```
chmod 755 Configure
make config
```

3. Install Driver

Please enter this command to install driver

```
make all
```

System will install the driver, after finishing install, please enter

```
cp rt73.bin /etc/Wireless/RT73STA/
```

Note:

1. If your "/etc" folder doesn't have "Wireless/RT73STA" sub-folder, please make it

Enter this command when the file is copied

```
dos2unix rt73sta.dat
cp rt73sta.dat    /etc/Wireless/RT73STA/rt73sta.dat
```

If your Linux version is 2.4.x, please enter

```
/sbin/insmod rt73.o
/sbin/ifconfig rausb0 up
```

If your Linux version is 2.6.x, please enter

```
/sbin/insmod rt73.o
/sbin/ifconfig rausb0 up
```

Note:

When you restart your 2.4.x Linux, please enter this command to let your GW-US54Mini2 can work, you should put the file rt73.o in the command folder (e.g.: /root)

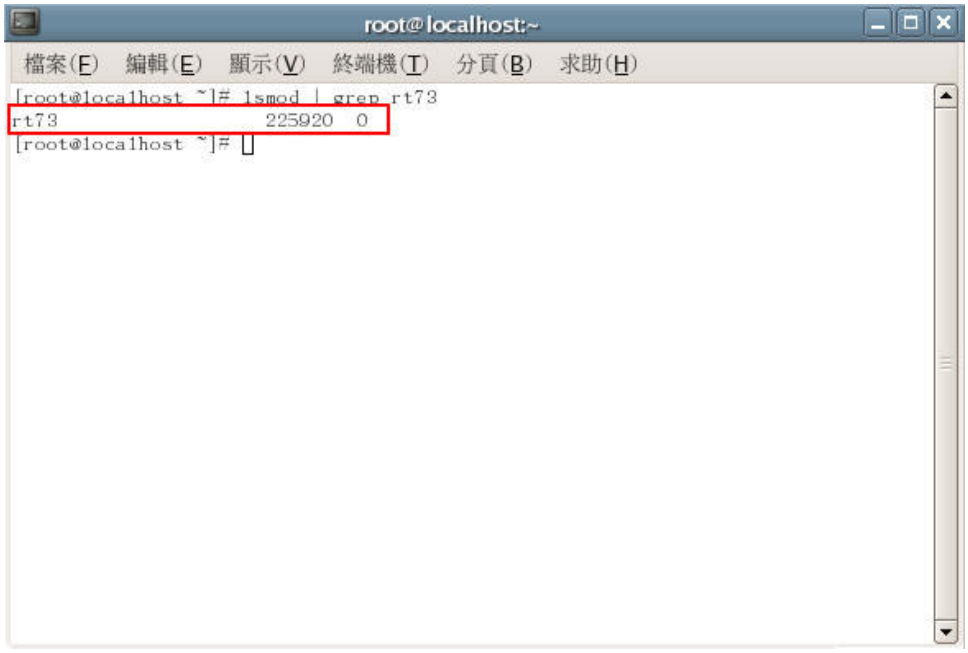
```
insmod rt73.o
ifconfig rausb0 up
```

When you restart your 2.6.x Linux, please enter this command to let your GW-US54Mini2 can work, you should put the file rt73.ko in the command folder (e.g.: /root)

```
insmod rt73.ko
ifconfig rausb0 up
```

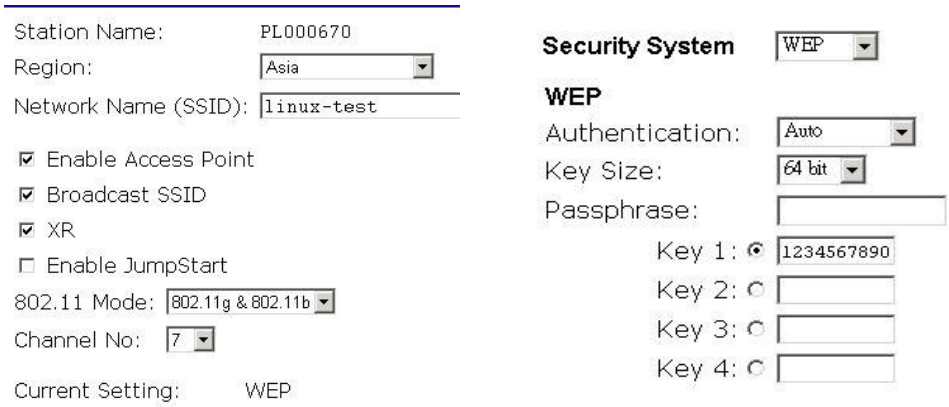
4. Complete the Installation

Plug your GW-US54Mini2 into USB connector. Then you can check through "lsmod | grep rt73" command if your driver was installed already.



5. WEP Connection Settings

Then, we use a router, PCi BLW-54SG, which is with WEP 64bit encryption to test. Please refer to below setting screen.



Enter below letters under text mode or terminal to connect with AP (Access Point).

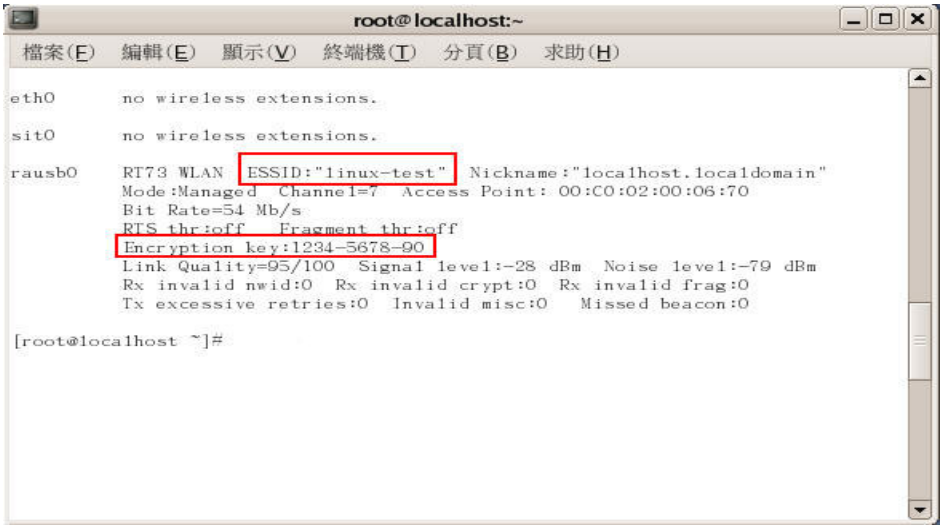
iwconfig rausb0 essid linux-test

iwconfig rausb0 key 1234-5878-90 [1]

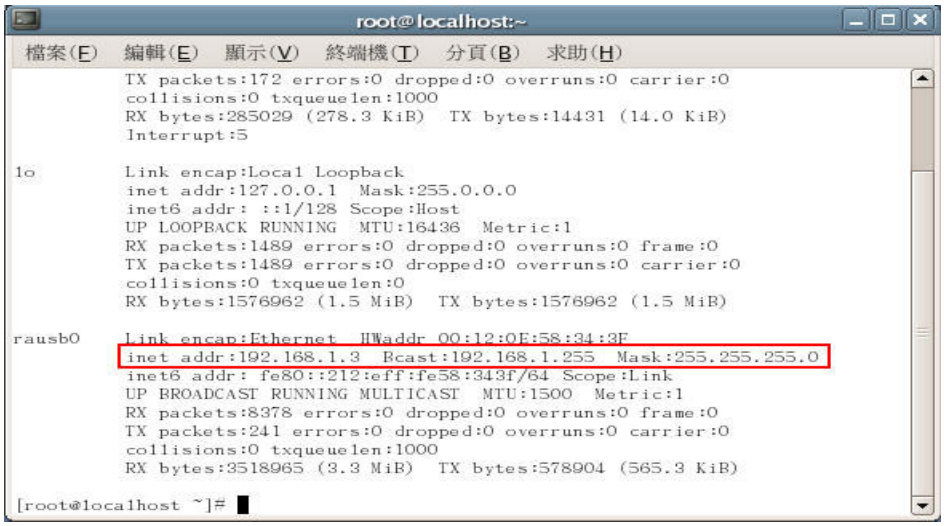
And double check the connection condition through “iwconfig rausb0” command.

Note:

1. You can search APs through “iwlist rausb0 scanning” command.



Please use “ifconfig rausb0” command to confirm if you got IP address from the AP.



Open browser to access internet.

6. WPA-PSK Connection Settings

GW-US54Mini2 have build WPA support inside the driver, you just need to setup it as below

1. **iwpriv rausb0 set NetworkType=Infra**
2. **iwpriv rausb0 set AuthMode=WPAPSK/WPA2PSK(as your settings)**
3. **iwpriv rausb0 set EncrypType=TKIP/AES (as your settings)**
4. **iwpriv rausb0 set SSID="your AP's SSID"**
5. **iwpriv rausb0 set WPAPSK="your WPAPSK/WPA2PSK's pre-share key"**
6. **iwpriv rausb0 set SSID=" your AP's SSID"**

Note:

Linux settings are case-sensitive and symbols must be the same with our configuration.