



# **Intel-powered Convertible Classmate PC Enhanced Easy Network User Manual**

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For Ubuntu Operating System

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# Revision History

Document Revision	Revision History	Date
1.0	First release of the Intel-powered convertible classmate PC Enhanced Easy Network User Manual.	January 2009

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# **Chapter Summaries**

The Intel-powered convertible classmate PC Enhanced Easy Network User Manual consists of the following parts:

- **1. General Introduction**

Provides an introduction to the Intel-powered convertible classmate PC Enhanced Easy Network.

- **2. Network Manager**

Describes how to apply the profile and view the connection information through Enhanced Easy Network.

- **3. Scan for Networks**

Describes how to scan the AP nearby and manually connect AP through Enhanced Easy Network.

- **4. View Neighbors**

Describes how to scan the neighbors nearby.

- **5. Network Profile Manager**

Describes profile management functions, including create, edit, delete, import and export a profile. It also can set the priority for the local profile. You can set the profile to show or not to show in Network Manager Window.

- **6. Switch Mesh Network Mode**

Describe how to switch mesh network mode, including mesh only, mesh client, mesh server and turning off mesh.

- **. Frequently Asked Questions**

Describe solutions to some frequently asked questions

# 1 Introduction

The Intel-powered convertible classmate PCs are affordable, rugged, and fun netbooks built for learning. Based on research in educational settings, the child-friendly design converts from a clamshell to a touch-optimized tablet – promoting intuitive use, interactive learning, and new mobility. Intel-powered convertible classmate PC comes with education-specific features and software, and is supported by a wide range of local vendors.

**Enhanced Easy Network** is a tool to manage the network. You can set up a connection to a network and create, edit, delete, import, and export network profiles. Different profiles can be applied for typical scenarios. You can also scan, view, and connect to computers nearby. **Enhanced Easy Network** provides you with a simple way to manage the network.

A user can perform the following operations:

- Management network connection: includes viewing current network status, connecting or disconnecting a network profile, turning on or off the wireless and turning on or off mesh network.
- Management network profile: includes creating, editing, deleting, importing, and exporting network profiles.
- Scan for Networks access point (AP) and manually connect an AP.
- View computers nearby in AP mode and Mesh mode.

Enhanced Easy Network displays an icon on the taskbar. When you right- or left-click the taskbar icon, a touch-optimized

menu will display. When you double-click the taskbar icon, the Network Manager window will display. You can access the functions of Enhanced Easy Network through this window.

## 1.1 System Requirements

The system requires an Ubuntu operating system.

## 1.2 Install

Enhanced Easy Network install package format is deb.

If not login as Root account, runs command: sudo dpkg -i xxx.deb.

## 1.3 Uninstall

If you do not login as Root account, run command: sudo dpkg -r enhanced-easy-network.

## 1.4 Start Up

The application will start up after installation. If you restart the system, it will run automatically.

You can also:

- Click **Application -> Other -> Enhanced Easy Network** to run after install.

Once the system boots up, the application will automatically connect to the networks based on the priority of the profiles, if there is any profile data. If no pre-defined profile is found, connection failure will be shown.

# 2 Network Manager

## 2.1 Network Connection Status

Enhanced Easy Network has several different connection statuses.

### 2.1.1 Taskbar Icon Status

Enhanced Easy Network will be minimized and display as an icon in the taskbar after start up. You can single-click the icon (left or right) to popup the taskbar menu.

The icon will change when network status changes.

**Table 1 - Network Status**

Network Status		
Disconnect	LAN connect	WLAN connect
Mesh Only	Mesh Server (Share My Internet)	Mesh Client (Use Other's Internet)

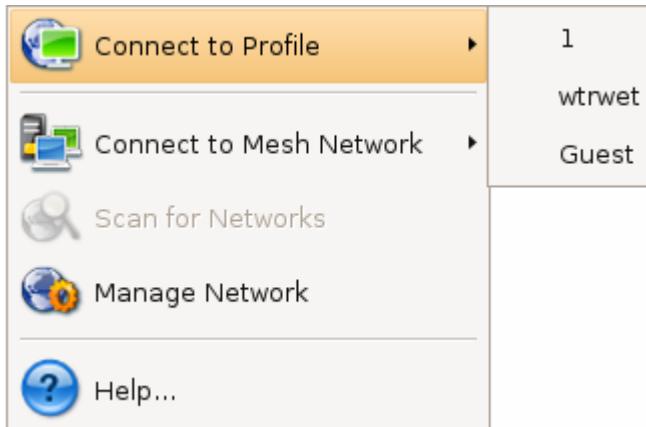
### 2.1.2 Taskbar Menu

A touch optimized menu will display when you right- or left-click the taskbar icon. Through this menu, you can:

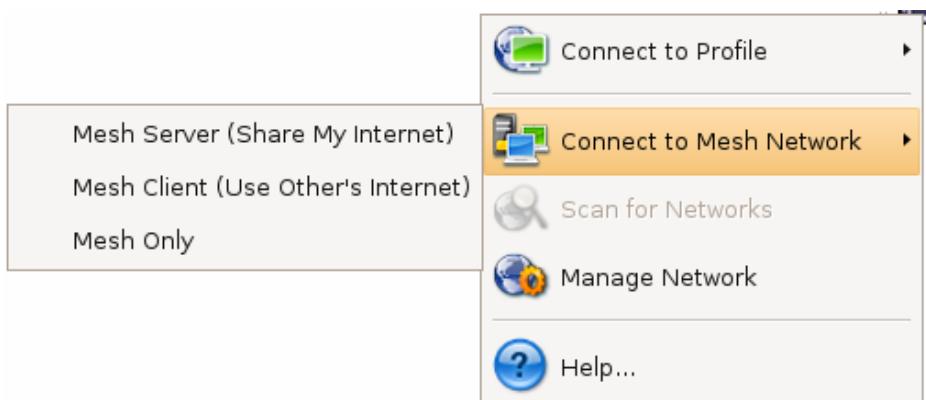
- Connect to Profile: after you click **Connect to Profile**, a submenu displays the profile list which was set as

“available” by administrators and OS account. You can select a network profile from this list to connect. It includes wired and wireless connection profiles. The current applying profile will be ticked in the list.

- Connect to Mesh Network: When you click **Connect to Mesh Network**, if mesh network is disabled now, the right-fly menu shows mesh mode list: **Mesh Server (Share My Internet), Mesh Client (Use Other's Internet), and Mesh Only**. If mesh network is enabled now, the right-fly menu shows mesh mode list: **Mesh Server (Share My Internet), Mesh Client (Use Other's Internet), Mesh Only and Turn off Mesh**. You can select a mesh network mode from this list. The current mode will be ticked in the list. Please see Chapter 6 for more details.
- Scan for Networks: you can also manually scan wireless networks (AP) and connect. Please see Chapter 3 for more details.
- Launch Manage Network: you can single left-click Network Manager to launch it.
- Launch Help.



**Figure 1 - Taskbar Menu**

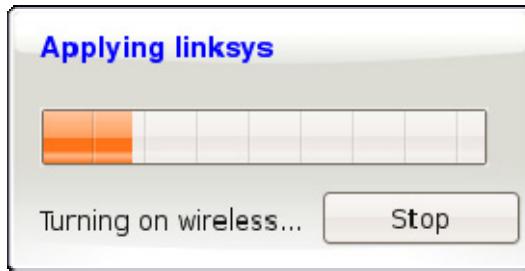


**Figure 2 - Mesh Taskbar Menu**

## 2.1.3 Network Manager Balloon

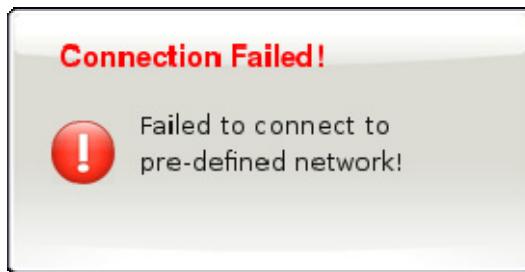
### Automatic Run

When the application starts up with the operating system, it will automatically apply the pre-defined profile.



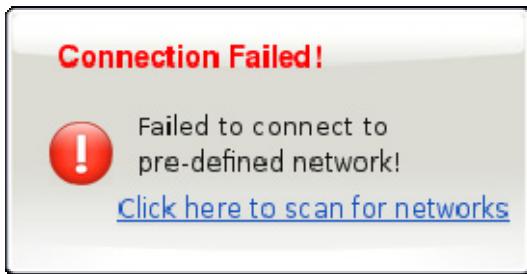
**Figure 3 - Automatically Apply Profile Balloon**

If no one connected successfully and the current network status does not have the wireless adapter enabled, the following balloon displays:



**Figure 4 - Automatic Connection Failed**

If connection was unsuccessful and the current network status is "wireless adapter enabled", the following balloon displays.



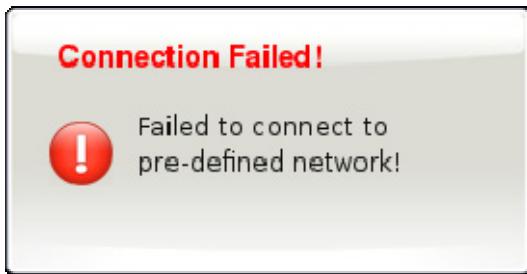
**Figure 5 - Automatic Connection Failed Scan Link**

Click the link to scan the network.

## Network Status

After connections are established, a balloon will pop up showing current network status when you move the cursor over the taskbar icon. You can see detailed info about the connection.

- AP mode:
  1. Name(Profile Name or AP Name)
  2. Type (Wireless LAN)
  3. Speed (11 Mbps, 54 Mbps and 108 Mbps)
  4. Signal Quality (percentage and progress bar)
- LAN mode:
  1. Name(Profile Name or Wired LAN)
  2. Type (Wired LAN)
  3. Speed (10 Mbps/100 Mbps)
- Mesh mode
  1. Name(Mesh Hostname)
  2. Type(Mesh Only, Mesh Server or Mesh Client)
  3. Status(Connected)



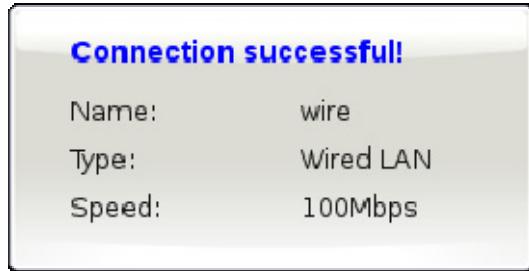
**Figure 6 - No Connection Status Balloon**



**Figure 7 - No Connection Status Balloon Scan Link**



**Figure 8 - WLAN Connection Status Balloon**



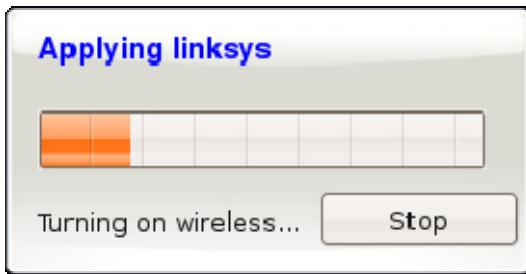
**Figure 9 - LAN Connection Status Balloon**



**Figure 10 - Mesh Status Balloon**

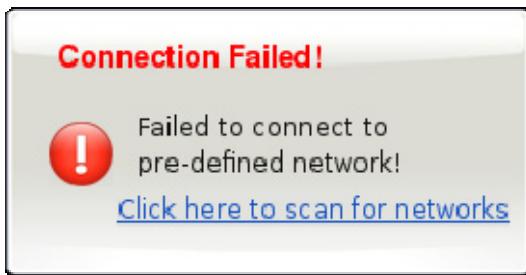
## LAN to WLAN

If wired LAN is unplugged from Intel-powered classmate PC, the application will switch to wireless LAN, and automatically connect to the profile according to priority, until connection is successful.



**Figure 11 - Automatically Apply Profile Balloon**

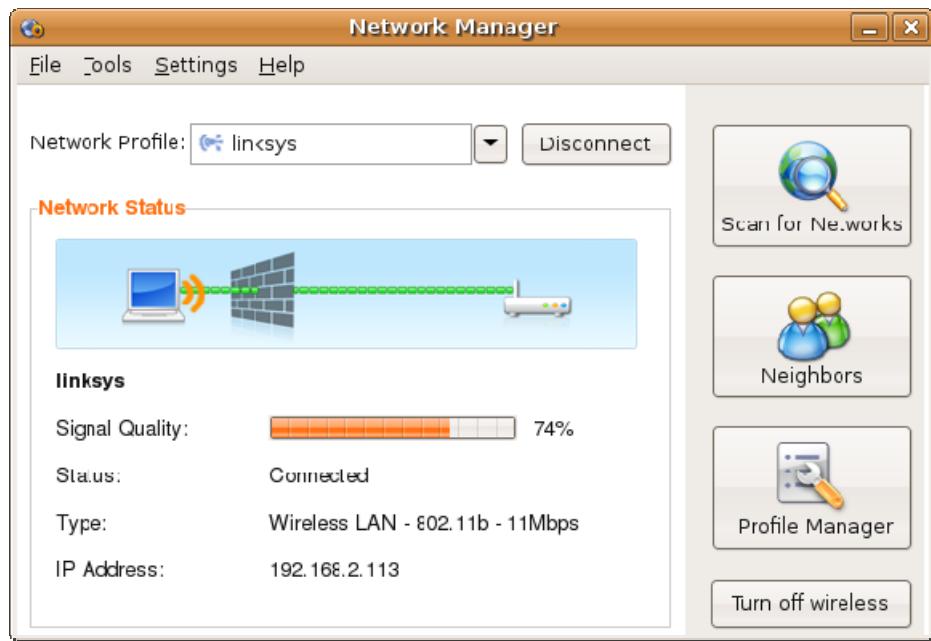
If the switch is unsuccessful, a prompt will display about the failure and offer a link to find a network.



**Figure 12 - Manually Scan for Networks Confirm Balloon**

## 2.2 Network Manager

You can open Network Manager by either selecting it on the taskbar menu or left double-clicking the taskbar icon.



**Figure 13 - Network Manager Window**

In this window, you can:

- switch between pre-defined network profiles.
- show connection information.
- turn on/off wireless.
- import school profile.
- launch to Scan for Networks Window, Neighbors Window, Profile Manager Window, and Mesh Network Configuration Window.

Major functions of Network Manager can be accessed through the menu bar. The following table describes the menu bar items:

**Table 2 - Network Manager Menu Bar Items**

File	Tools	Settings	Help
Import School Settings ...	Connect/Disconnect	Profile Manager	Help Contents
Exit	Scan for Networks	Mesh Configure	About
	View Neighbors	Turn off/on Wireless	

### 2.2.1 Switch between Pre-defined Network Profiles

A pre-defined network profile can be selected in a combo box component which was set as “available” by administrators and OS account. If you apply a profile successfully, the **Connect** button will switch to **Disconnect**. If the combo box shows the current connecting profile, the button will show **Disconnect**. If you change the profile, the **Disconnect** button will switch to **Connect** automatically.

### 2.2.2 Show Connection Info

The information below shows when one network mode has connected successfully.

- AP mode:
  - Signal Quality (percentage and progress bar)
  - Status (Connected/Disconnected)
  - Type:
    - Wireless LAN - 802.11g – 54 Mbps

- Wireless LAN - 802.11b – 11 Mbps
- Wireless LAN - 802.11n – 108 Mbps

IP Address

- LAN mode:

Signal Quality (gray)

Status (Connected/Disconnected)

Type:

- Wired LAN – 10 Mbps
- Wired LAN – 100 Mbps

IP Address

- Mesh mode:

If it is in Mesh Client or Mesh Only mode, shows as:

Signal Quality (gray)

Status (Connected/Disconnected)

Type:

- Mesh Client
- Mesh Only

Mesh IP Address

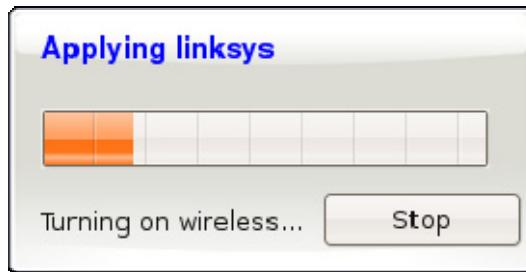
If it is in Mesh Server mode, information shows current shared LAN/WLAN interface connection status just as LAN mode or AP mode above.

### 2.2.3 Turn On/Off Wireless

The wireless can be turned off/on by clicking the turn on/off button. When the mode is changed manually, the button will change automatically.

If the system is in wired LAN mode, the button will be **Turn on wireless**. When **Turn on wireless** is clicked to enable the

wireless adapter, the application will automatically connect to the wireless profile according to the priority until connection is successful.



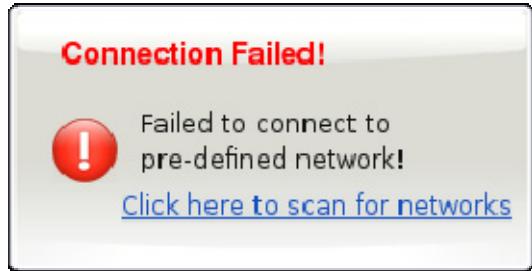
**Figure 14 - Automatically Apply Profile Balloon**

If a connection is successful, a confirmation balloon will display:



**Figure 15 - LAN to WLAN Successfully Balloon**

If no one is success, tell user automatically connection fail.

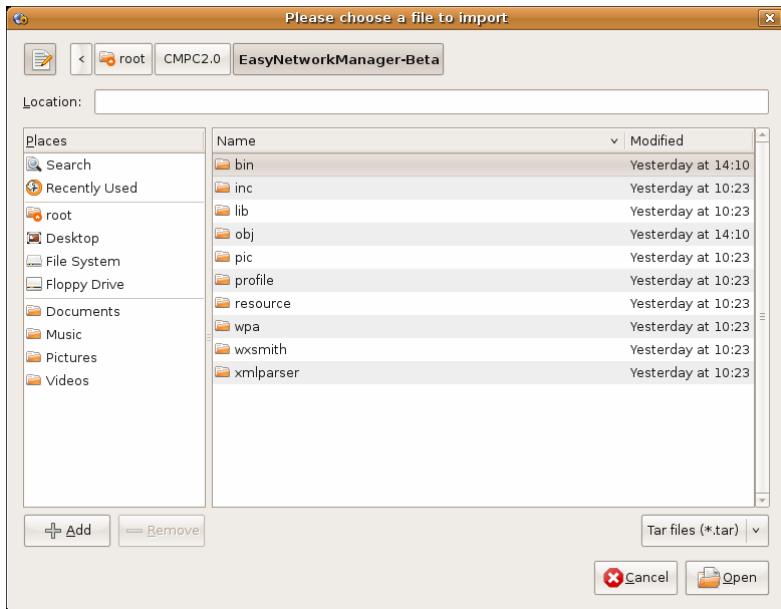


**Figure 16 - Manually Scan for Networks Confirm Balloon**

If it is a wireless LAN mode, the button will be Turn off Wireless. When Turn off Wireless is clicked, it will disable the wireless adapter and turn on the wired adapter.

#### **2.2.4 Import School Profiles**

School profiles can be imported by clicking **File -> Import School Settings ...** on the menu. A dialog will display asking you to select the file you want to import.



**Figure 17 - Import School Settings**

## 2.2.5 Launch Other Window

The **Scan for Networks**, **Neighbors**, and **Profile Manager** windows can be launched by clicking the button on the window. The menu item can also be clicked to enter the window. Once mesh network is enabled, **Mesh Network Configuration** window can also be launched by clicking **Settings->Mesh Configure** menu.

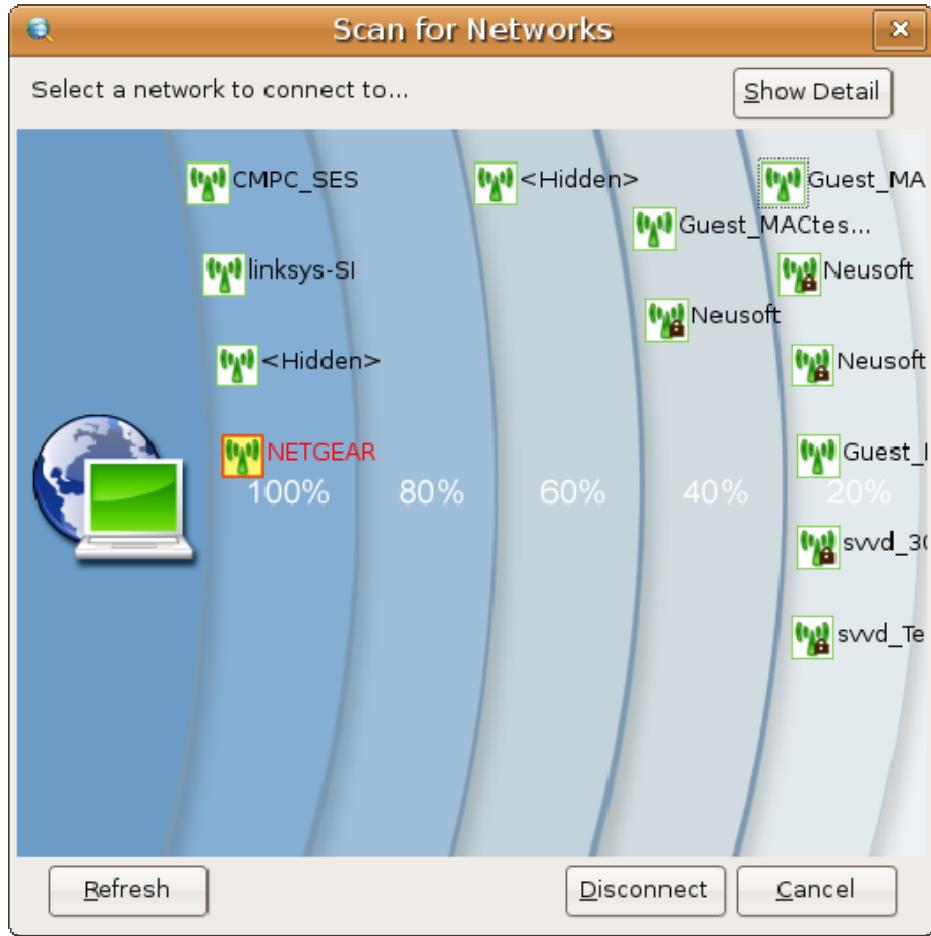
# 3 Scan for Networks

## 3.1 Scan for Networks

When the wireless adapter is enabled, the Scan for Networks window can be opened by:

- Clicking **Scan for Networks** in the Network Manager window.
- Selecting **Tools -> Scan for Networks**, or **Scan for Networks** on the taskbar icon menu.

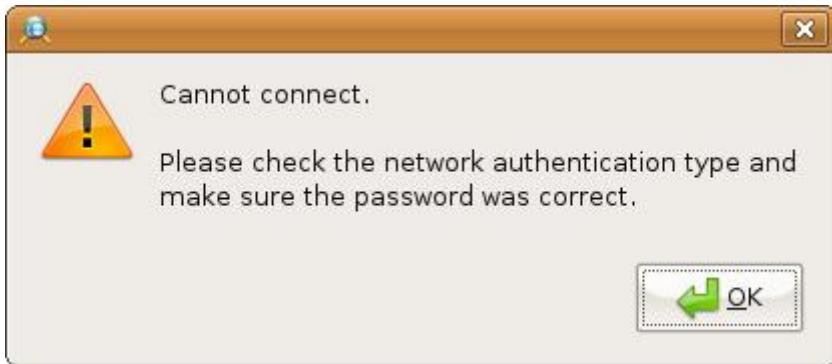
There is a map which presents the network AP. The connected AP should be highlighted in this network map.



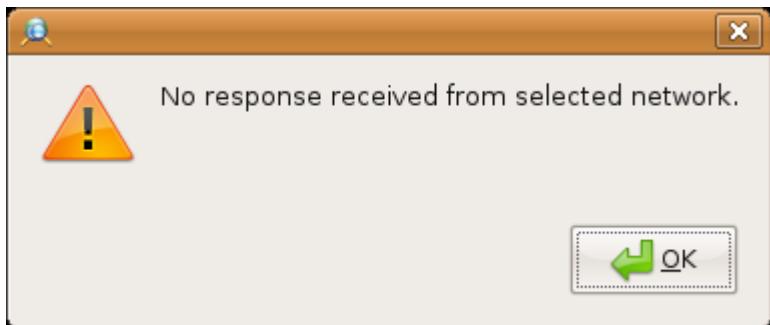
**Figure 18 - Scan for Networks Window**

The icon image with lock symbol stands for encrypted AP; the one without lock symbol stands for unencrypted AP. Currently connected AP is highlighted.

You can select one network (AP) and click **Connect** or double-click the network icon to manually connect to it. If connection fails, the following messages display:

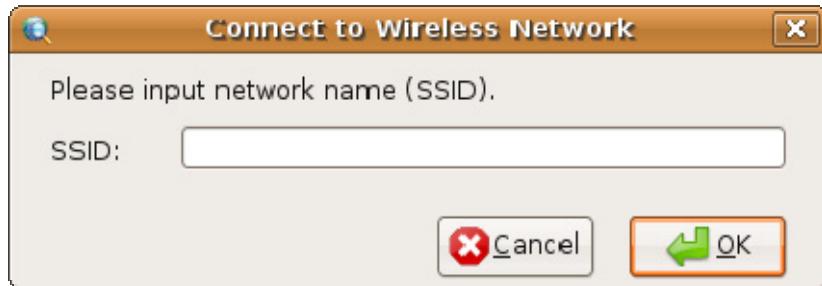


**Figure 19 - Connect AP Failed Window**



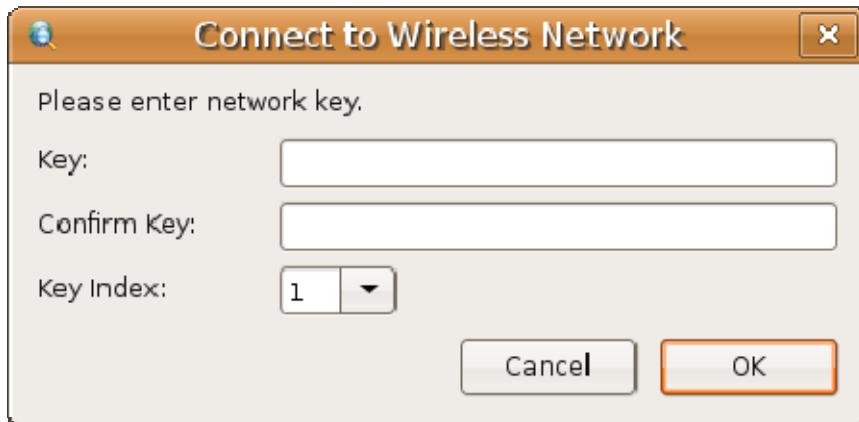
**Figure 20 - Connect AP Failed Window**

Input SSID dialog will pop up when you try to connect a hidden AP. The SSID can not be empty.



**Figure 21 - Input SSID Window**

A password dialog box will pop up if the network is password protected. The key box cannot be empty.



**Figure 22 - Connect AP with Password Window**

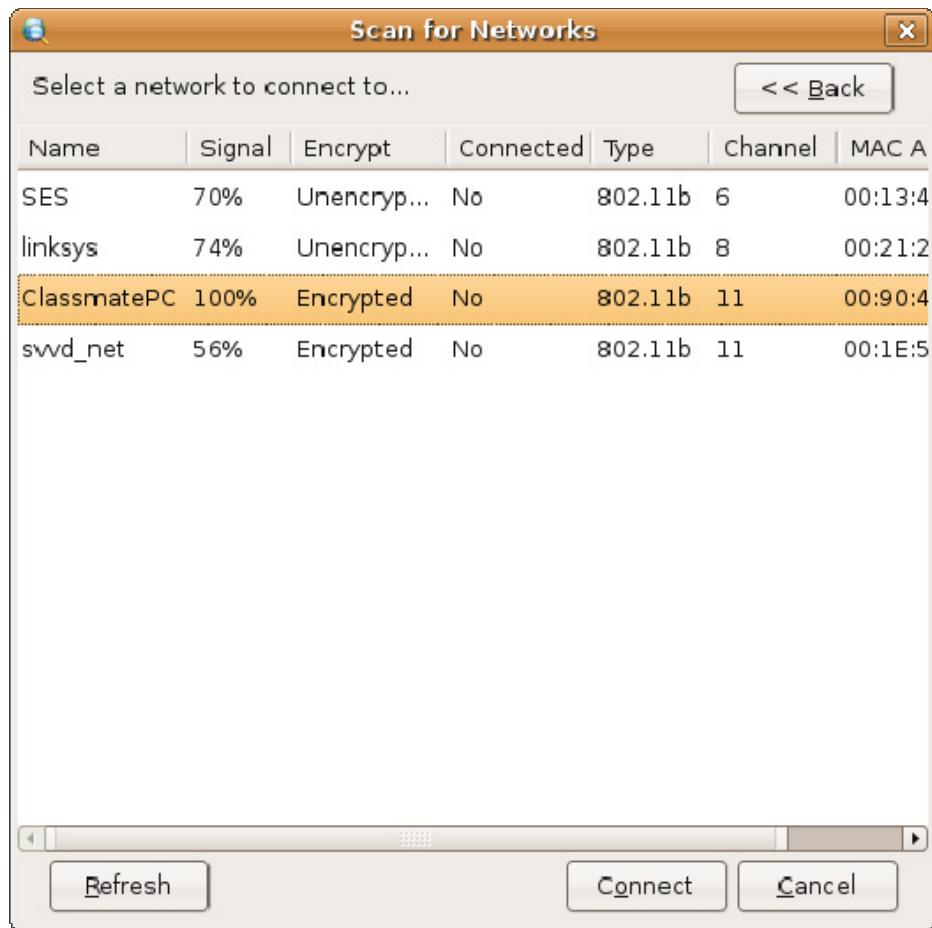
Clicking **Refresh** will re-scan the network.

## 3.2 Scan for Networks Detail

When the **Show Detail** button on the Scan for Networks window is clicked, a detail window will pop up providing

detailed information about the detected APs. The detail information includes:

- AP Name
- Signal Quality (Percentage only)
- Connected(Yes/No)
- Encrypt (Encrypted/Unencrypted)
- Type (802.11b/802.11g/802.11n)
- Channel
- MAC Address



**Figure 23 - Scan for Networks Detail Window**

The detected APs can be ranked by **AP Name, Signal Quality, Encrypt, Type, Channel, MAC Address**. You can select one network (AP) and click **Connect** or double-click the network icon to manually connect to it. A message will display when a user connects successfully or connection fails. On the failed

window, click the **Back** button to go back to the Scan for Networks main dialog. Click **Cancel** to close the detailed information dialog.



# 4 View Neighbors

## 4.1 AP mode

When the wireless adapter is enabled, click **Neighbors** on the Network Manager window or on the menu **Tools -> View Neighbor** to open **Network Neighbors** window. It displays the hostname & IP address of all the computers connected to the same Access Point (AP).



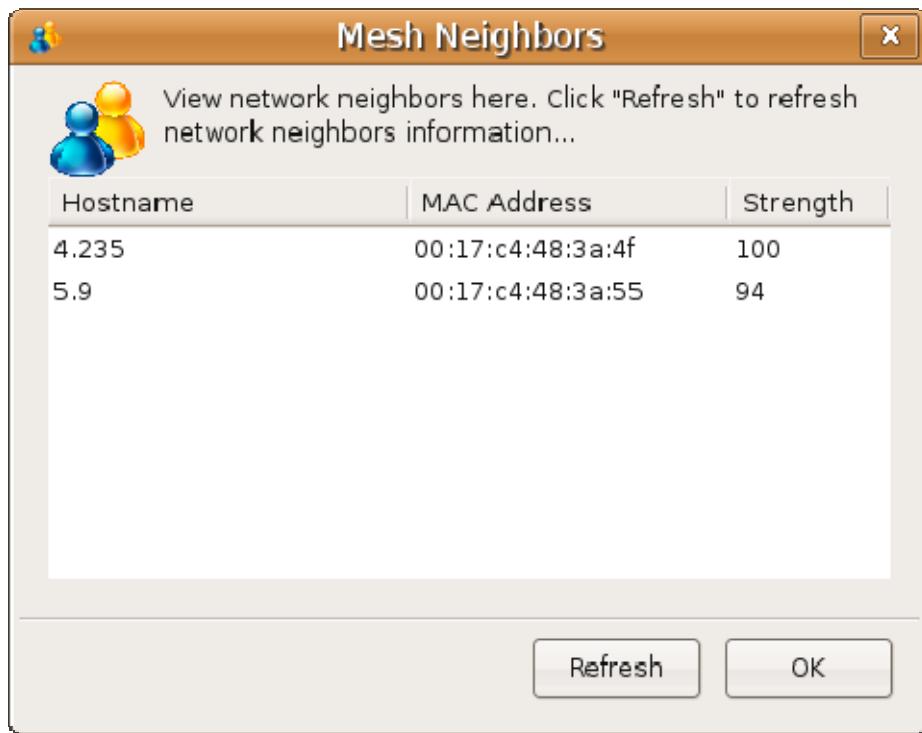
**Figure 24 - Network Neighbors Window**

Enhanced Easy Network User Manual

Click **Refresh** to re-scan the neighbors.

## 4.2 Mesh mode

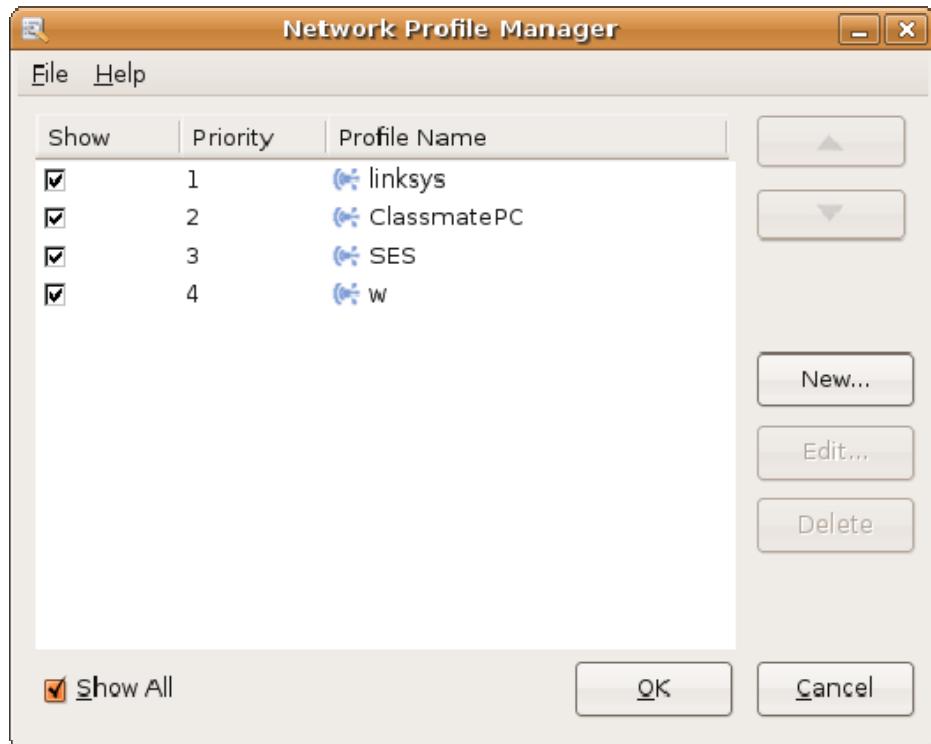
When the mesh network is enabled, click **Neighbors** on the Network Manager window or on the menu **Tools -> View Neighbor** to open **Mesh Neighbors** window. It displays the hostname, MAC Address and signal strength of all the computers connected to mesh network.



**Figure 25 - Mesh Neighbors Window**

# 5 Network Profile Manager

Click **Profile Manager** on the Network Manager window to open it.



**Figure 26 - Network Profile Manager Window**

In this window, you can:

- Adjust the priority.
- Manage network profiles: create a new profile, edit a profile, delete a profile, import a profile or export a profile.
- Set profile show.

- Get help by clicking the Help button or pressing F1.

The dialog has menu bar and list and some buttons on it. Major functions of Network Manager can be accessed through the menu bar:

**Table 3 - Network Profile Manager Menu**

File	Help
Import Profile...	Help Content
Export Profile...	
New ...	
Edit ...	
Delete	
Exit	

Network profiles created by local non-administrator accounts, only valid/visible for the exact account, and saved in each accounts' local space. For administrator account, all the modification/additions are implemented on local computer's global space.

## 5.1 Adjust the Priority

All profiles in the profile list will show based on priority. The priority of a selected profile can be adjusted by clicking the Up/Down button. All school profiles should be gray and listed on the top of the profile list. A normal user cannot adjust the priority of school profiles and edit/delete school profiles. If no profiles are checked, then the Up/Down button is gray. If the

first profile is selected, the Up button is gray. If the last profile is selected, the Down button is gray.

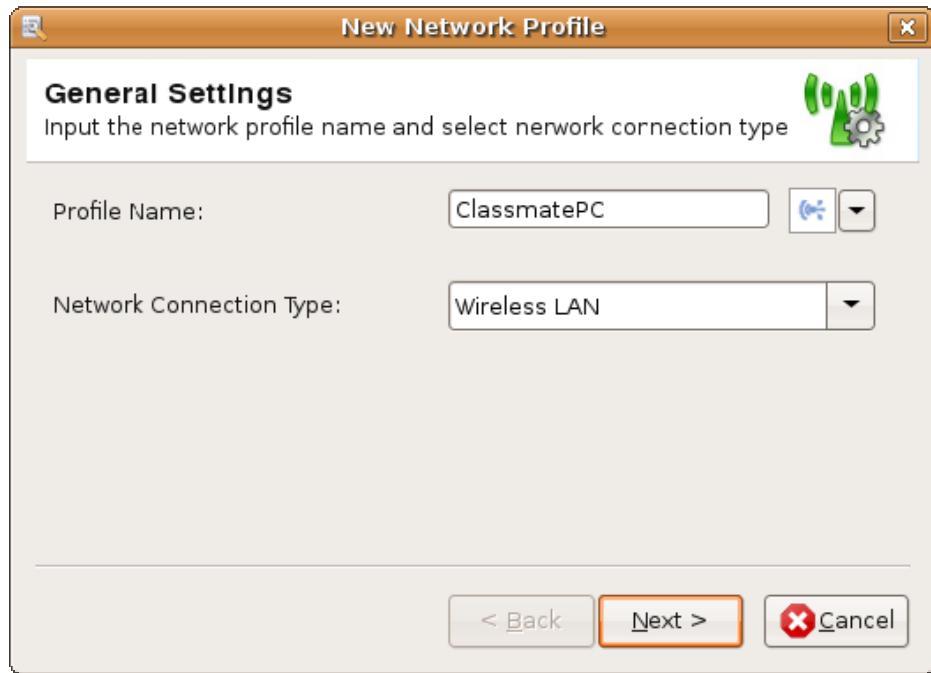
## 5.2 Create a New Network Profile

You can create customized network profiles. When the **New...** button is clicked in the Profile Manager window, or **File -> New...** is selected from the menu, the **New Network** profile wizard will pop up.

It has three steps for creating a net network profile, general settings, wireless settings, and other settings.

### Step 1 - General Settings

You can input a profile name, select a profile icon and select a network connection type. Network Connection type includes Wired LAN and Wireless LAN. A profile name cannot be longer than 32 characters. After settings, click **Next** to continue. If Wired LAN is select, go to step 3. If Wireless LAN is selected, go to step 2.



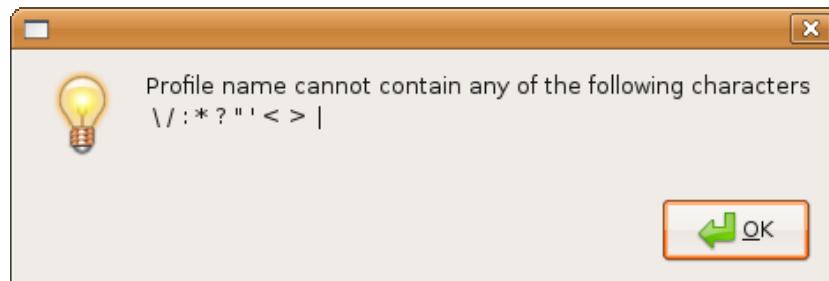
**Figure 27 - New Profile Step 1**

- If a name is not given to a profile and the Next button is clicked, the following message will display:



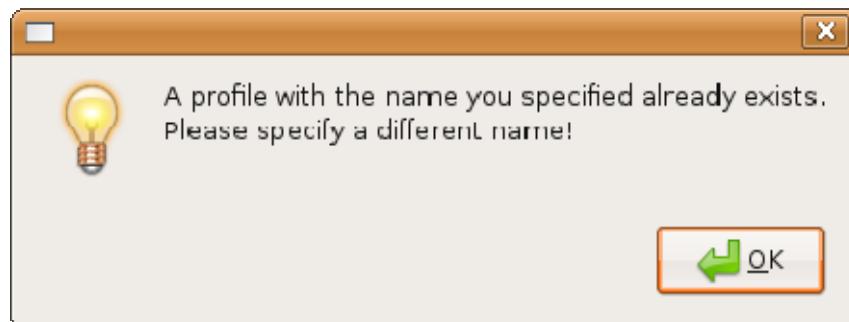
**Figure 28 - Profile Name Empty Warning**

- The Profile Name can accept all characters except /, \, :, \*, ?, ", ', <, >, |. If a new profile is named with any of these characters and Next is clicked, the following warning message will display, "*Profile name cannot contain any of the following characters /, \, :, \*, ?, ", ', <, >, |*:



**Figure 29 - Profile Name Contain Special Character Warning**

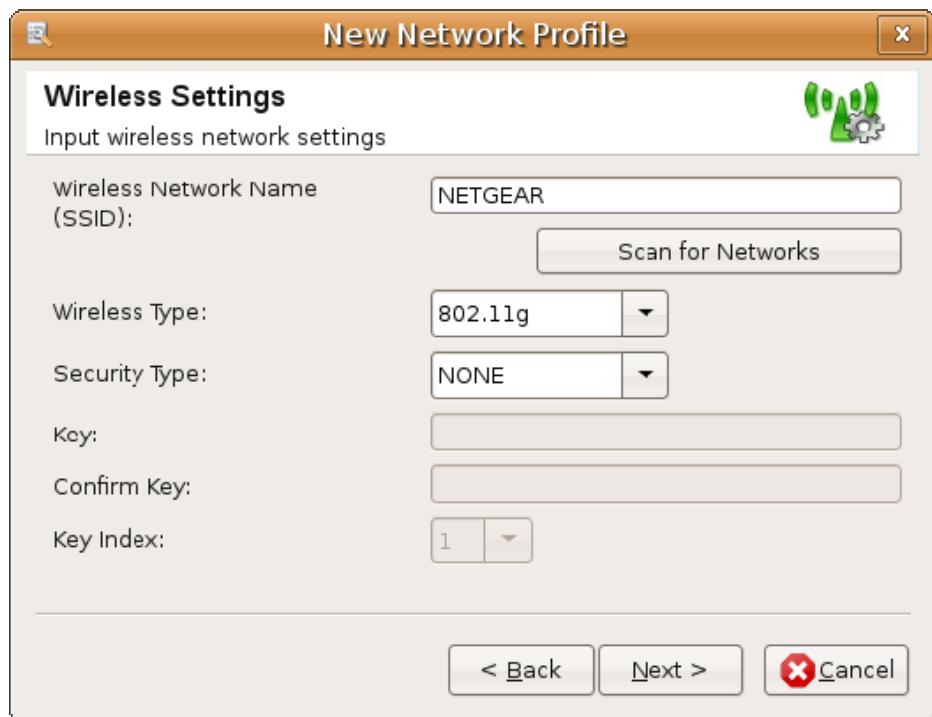
- If the name of an existing profile is used and Next is clicked, the following warning message will display, "*A profile with the name you specified already exists. Please specify a different name!*"



**Figure 30 - Profile Name Repeated Warning**

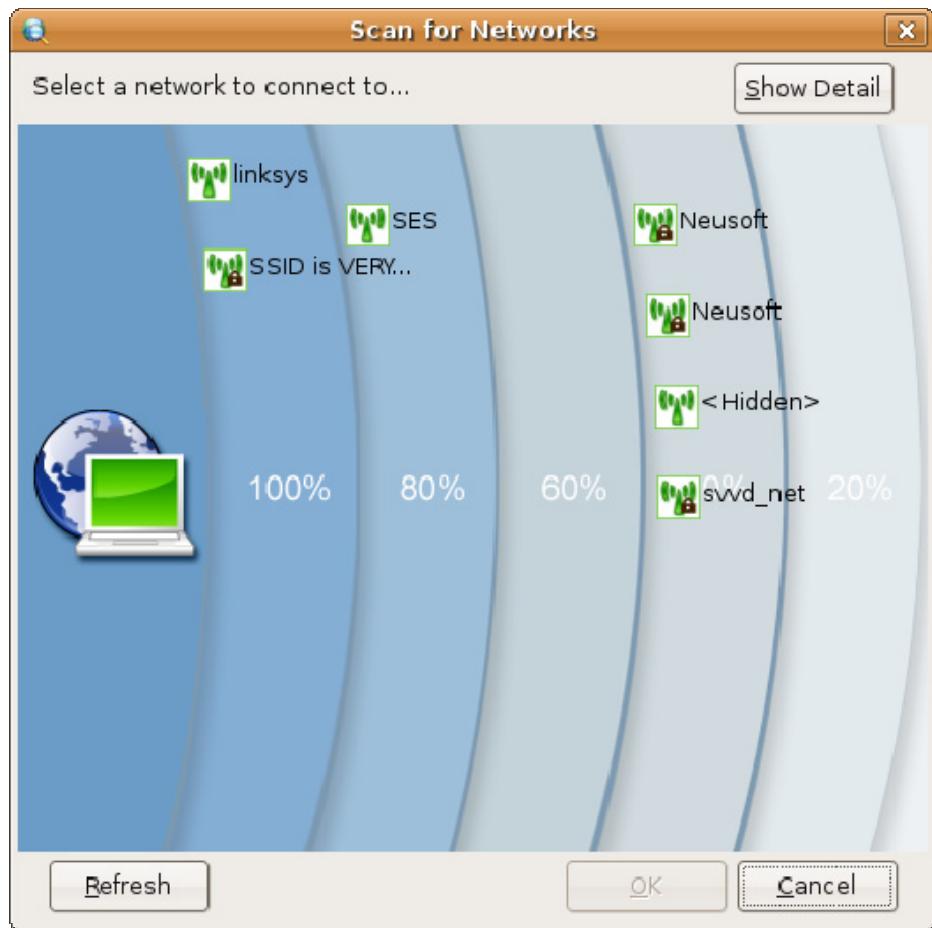
## Step 2 - Wireless Settings

If network connection is wired LAN type, go to Step 3. You can set wireless settings in Step 2. It includes SSID, wireless type, and security type. Wireless type includes **Automatic**, **802.11b**, **802.11g**, and **802.11n**. Security type includes **None**, **WEP**, **WPA-PSK TKIP**, **WPA-PSK AES**, **WPA2-PSK TKIP**, **WPA2-PSK AES**, and **UNKNOWN**. If network connection type is wireless LAN, you can input it manually or use the **Scan for Networks** button to fill the detected AP automatically.



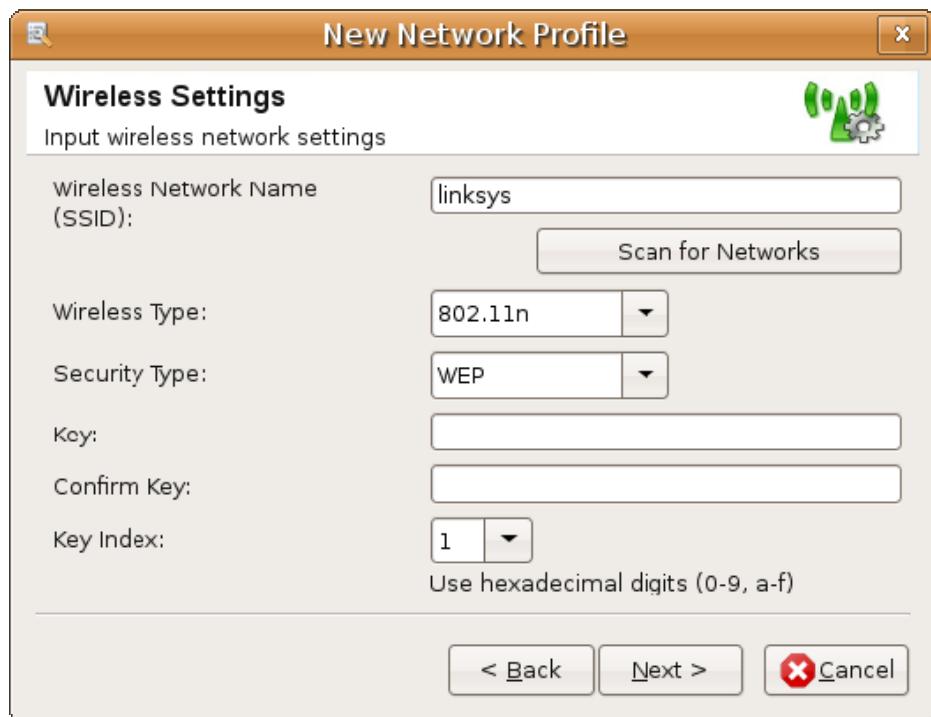
**Figure 31 - New Network Profile Step 2**

Choose an AP window to show an AP name, signal, and type. When one item is selected and OK clicked, the information of the AP is put in automatically. If the security type of the AP is unknown, it will inform you.

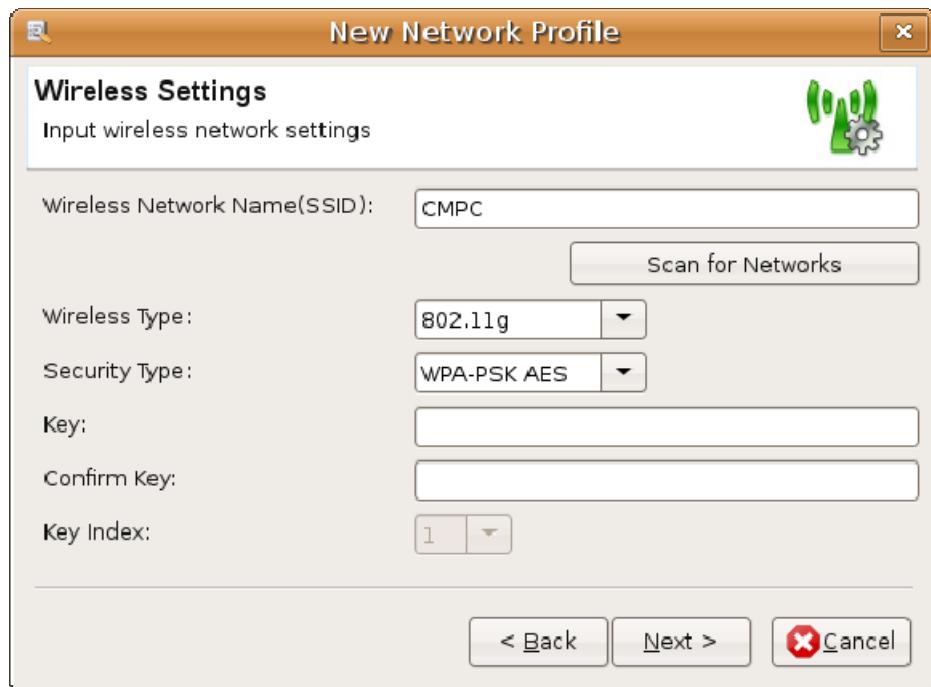


**Figure 32 - Choose AP Window**

If the WEP or WPA security type is set, the **Key** input text will display where the password for the connecting AP can be set. WEP password use hexadecimal digits (0-9, a-f) and WPA use 8-63 alphanumeric characters (0-9,a-z). The key cannot be empty.



**Figure 33 - Static WEP Settings**



**Figure 34 - WiFi Settings Dialog**

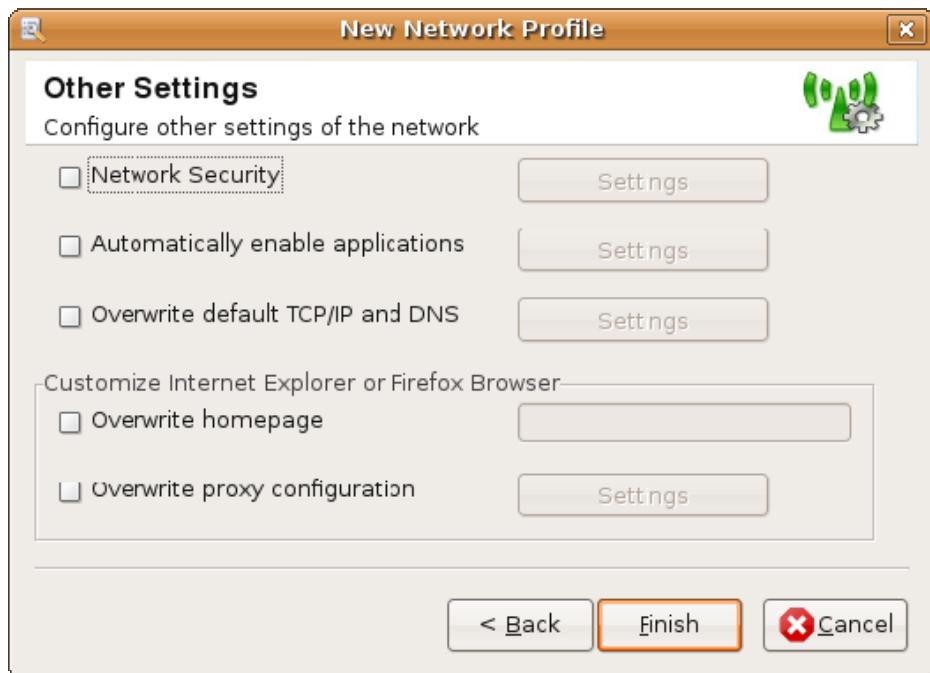
The SSID cannot be empty and no more than 32 characters. If you select a security type, you should also set the password for connecting.

If the **Back** and then the **Next** buttons are clicked, the content of Step 2 will be saved. Click **Next** to continue.

### Step 3 - Other Settings

You can set network security, automatically enable applications, overwrite default TCP/IP and DNS, overwrite homepage, and overwrite proxy configuration in Step 3. If you selected Wired LAN in Step 1, the network security item will be

gray. If some items were checked, the corresponding settings buttons will be enabled. When this profile is activated, these applications will be launched automatically. Click **Finish**, complete the profile creation.



**Figure 35 - New Network Profile Step 3**

#### **Network Security:**

You can forbid sharing Internet connection.

Choose the checkbox **Network Security**, and the **Settings** button will be activated, then click **Settings**, a balloon will popup:

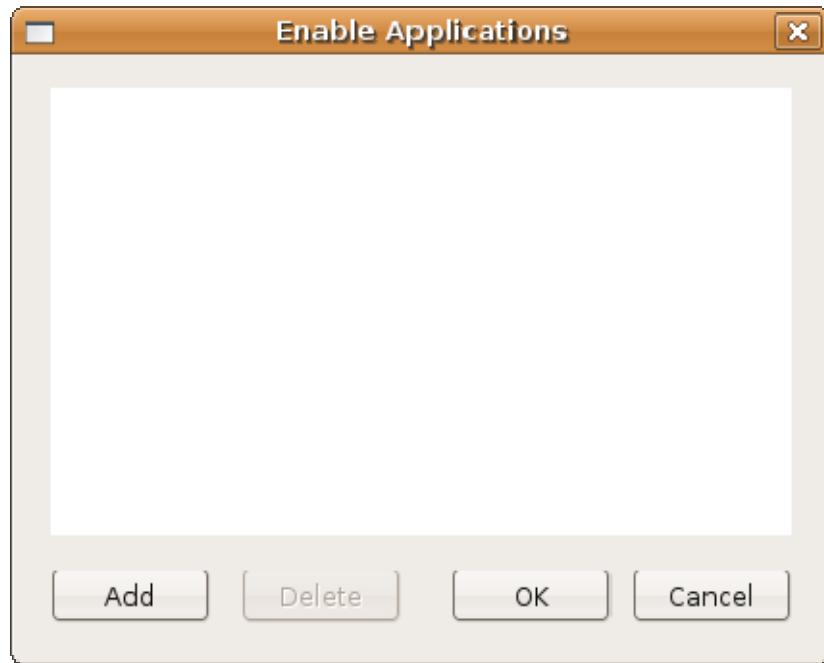


**Figure 36 - Network Security Dialog**

**Automatically Enable Applications:**

Choose **Automatically Enable Applications** and click **Settings**, a dialog as below will popup.

You can create and modify an application list. When this profile is activated, these applications will be launched automatically. Clicking **Add** will open a window to select the application. When an item is selected, the delete button will enable, and the delete button can be clicked to delete the profile.



**Figure 37 - Enable Applications Dialog**

**Overwrite default TCP/IP and DNS:**

You can set IP, Subnet Mask, Gateway Address, and DNS. After this profile is applied successfully, IP will overwrite.



**Figure 38 - IP Settings Dialog**

Any of the boxes cannot be empty. The IP address and DNS address cannot be broadcast address, multicast address, or reserved address. The IP address cannot be same as the network address and should match the gateway. (The multicast address is from 224.0.0.0 to 239.255.255.255. The reserved address is from 240.0.0.0 to 247.255.255.255.)

**Overwrite Homepage:**

You can replace the current IE homepage with a different homepage.

### **Overwrite Proxy Configuration:**

It includes address and port settings for the proxy. Only numbers can be used in the port box. The address and port cannot be empty.



**Figure 39 - Proxy Settings Dialog**

## **5.3 Edit a Profile**

You can create customized network profiles. The **Edit Network Profile** window will display when you click the **Edit...** button in the **Profile Manager** window, or select menu **File -> Edit...** from the menu.

Same as in creating a profile, it has three tables for editing a net network profile: general settings, wireless settings, and other settings.

### **5.3.1 General Settings**

A profile name can be edited except for the current applied profile. If the profile is a wireless type, the profile icon can be changed in the General Settings panel. If the profile is a wired LAN type, the profile icon and authentication properties can be

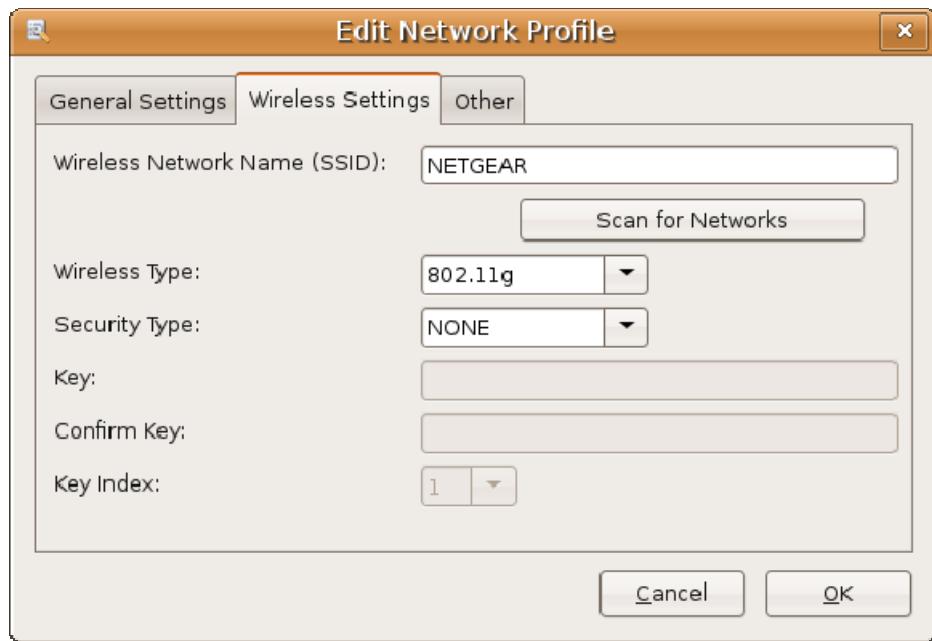
changed in the general settings panel. The Network Connection Type cannot be edited.



**Figure 40 - Edit Network Profile Table 1**

### 5.3.2 Wireless Settings

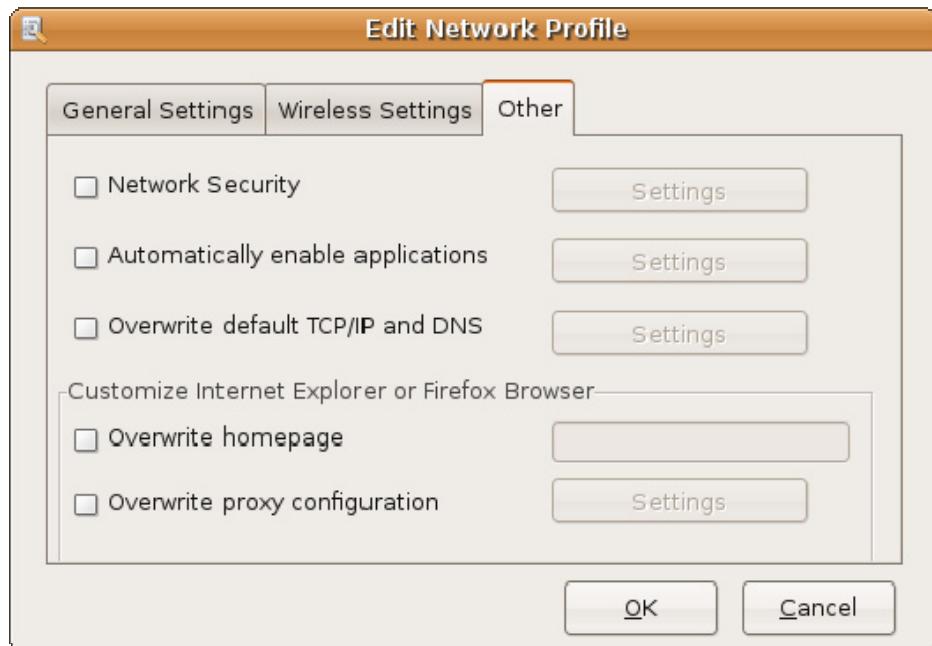
Wireless settings can be modified in this window. It is the same as creating a profile in Step 2.



**Figure 41 - Edit Network Profile Table 2**

### 5.3.3 Other

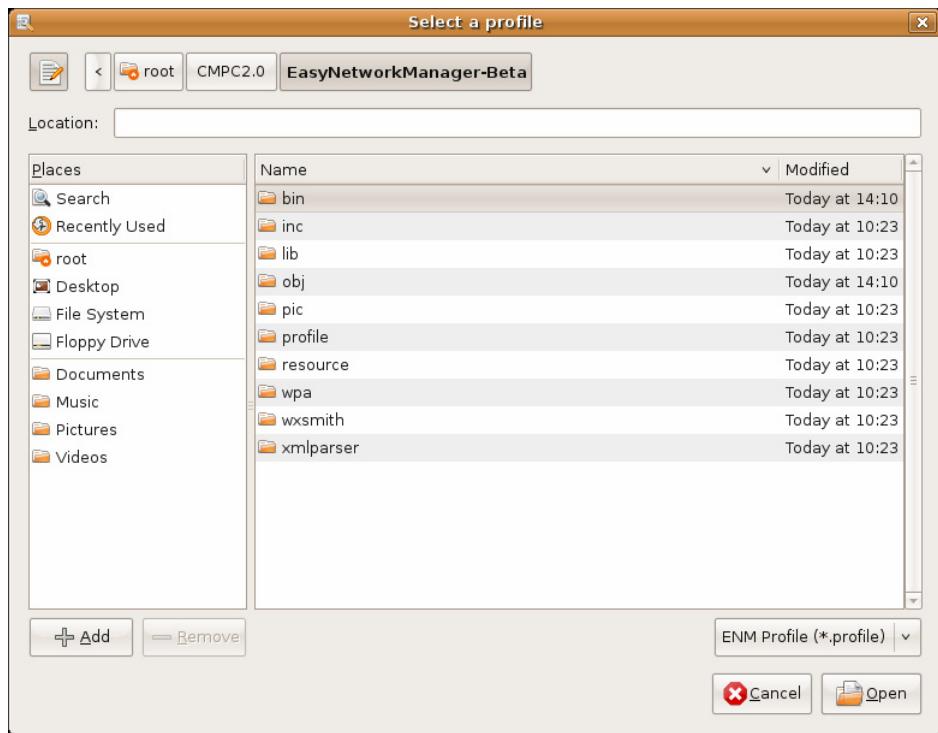
Other settings can be modified in this window. It is the same as creating a profile in Step 3.



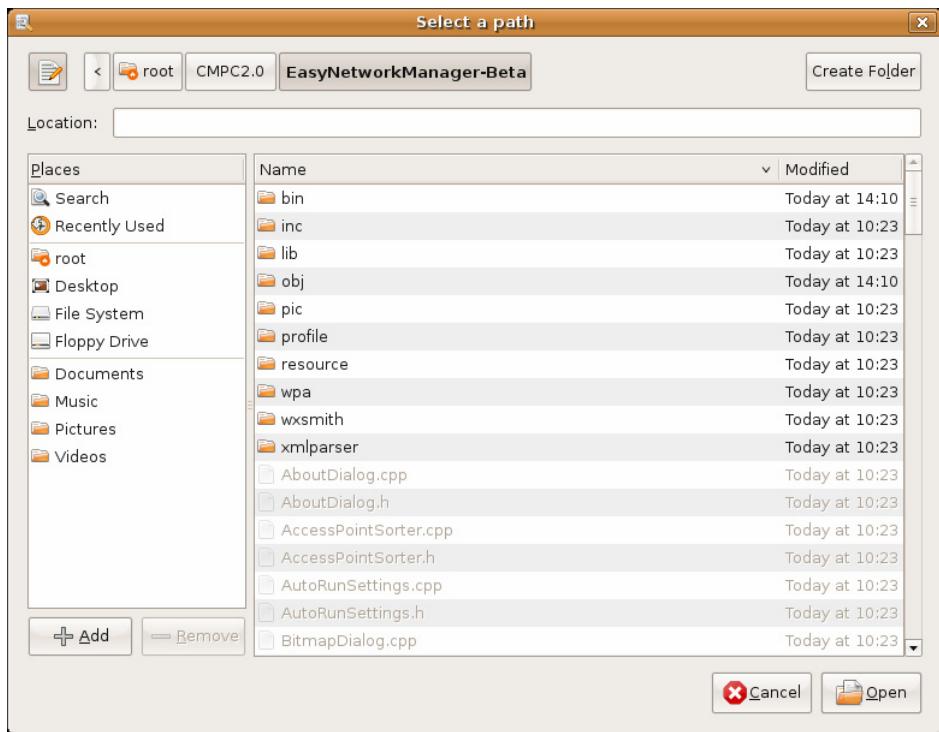
**Figure 42 - Edit Network Profile Table 3**

## 5.4 Import/Export Profile

You can click **File -> Import Profile...** or **Export Profile...** from the menu bar to import or export profiles if one profile is selected.



**Figure 43 - Import Profile Dialog**



**Figure 44 - Export Profile Dialog**

## 5.5 Delete Profile

You can select a profile from the profile list and single-click the **Delete** button or go to **File->Delete** in the menu bar, and confirm the popup to delete the selected profile. The current active profile cannot be deleted.

## 5.6 Set Profile to Show

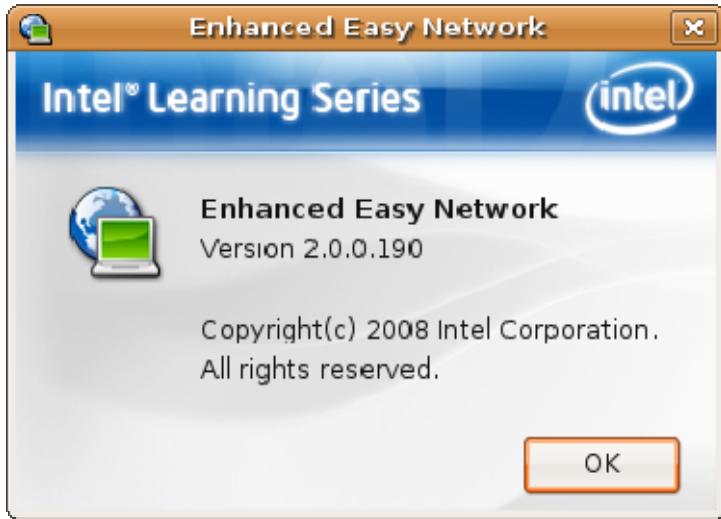
A checkbox before a profile means whether it can be seen in **Easy Connect Menu** or **Network Manager** under the current account environment or other local non-administrator accounts environment. You can check the checkbox to show the profile in the box and icon list.

## 5.7 Help

The help file can be accessed by clicking **Help -> Help Contents** from the menu on the **Profile Manager** window or pressing **F1**. The help file provides information about Enhanced Easy Network.

## 5.8 About

The **About** window can be accessed by clicking **Help -> About** from the menu on the **Network Manager** window or clicking F1. The About window provides information about the product name, version, and copyright information.



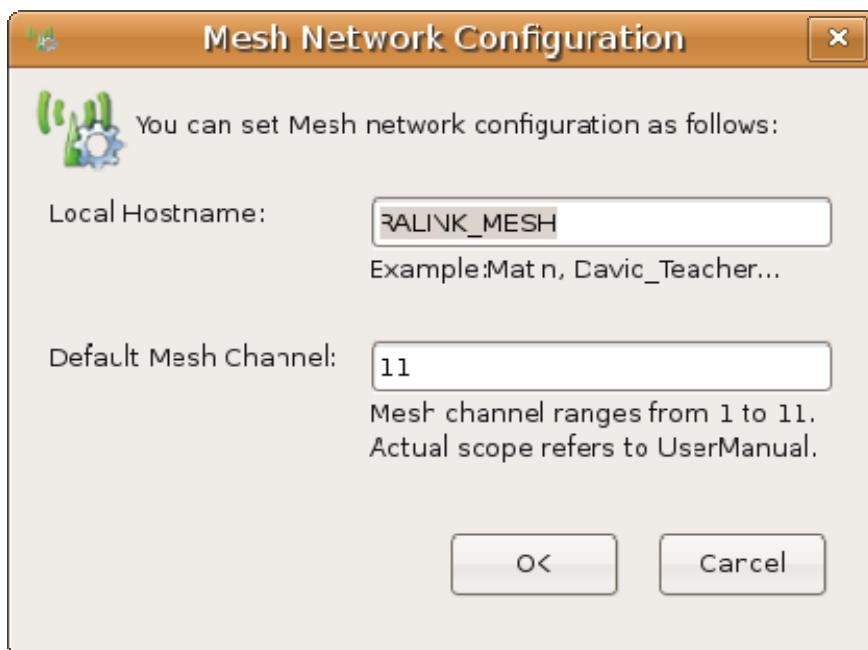
**Figure 45 - About Dialog**

# 6 Switch Mesh Network Mode

## 6.1 Mesh Only

Mesh Only mode can be turned on by clicking **Connect to Mesh Network->Mesh Only** on the taskbar icon menu.

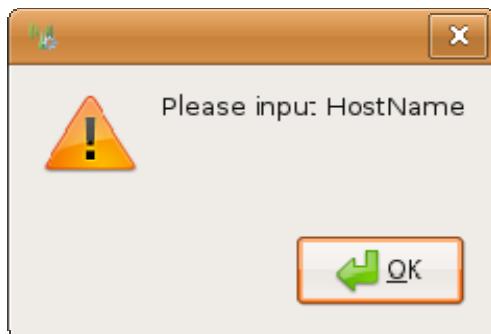
Once mesh network is enabled, the **Settings->Mesh Configure** in Network Manager Window main menu is available. You can single click this menu to open **Mesh Network Configuration** window and do some changes on mesh network configuration.



**Figure 46 – Mesh Network Configuration Dialog**

There are three items are available for view and edit: Local Hostname, Mesh Channel and Advertise Time Interval. The Local Hostname cannot be longer than 24 characters. Mesh Channel can only be numbers ranging from 1 to 11, the actual scope depends on countries, and more details please refer to appendix. Advertise Time Internal can only be numbers ranging from 1 to 60.

- If the Local Hostname is not given and the OK button is clicked, the following message will display:

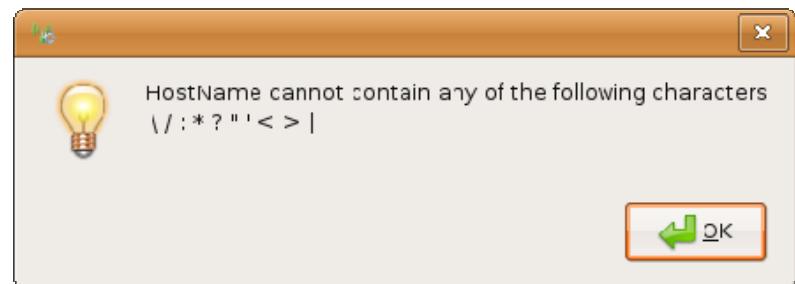


**Figure 47 – Local Hostname Empty Warning**

- The Local Hostname can accept all characters except **CMPC\_GW** and special characters, such as /, \, :, \*, ?, ", ', <, >, |. If a new profile is named with any of these characters and OK is clicked, the following warning message will display:

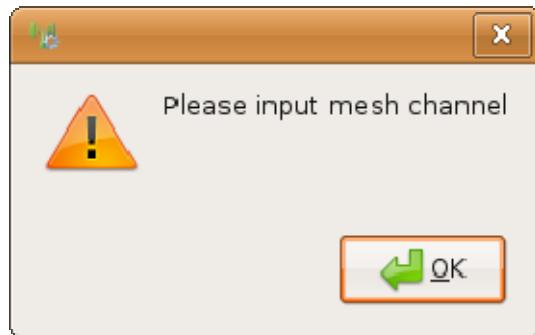


**Figure 48 – Local Hostname Contain CMPC\_GW Warning**



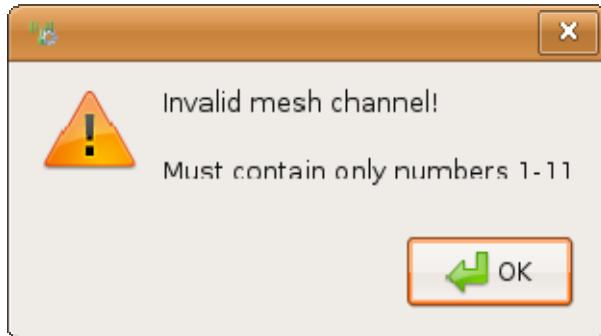
**Figure 49 – Local Hostname Contain Special Character Warning**

- If the Mesh Channel is not given and the OK button is clicked, the following message will display:



**Figure 50 – Mesh Channel Empty Warning**

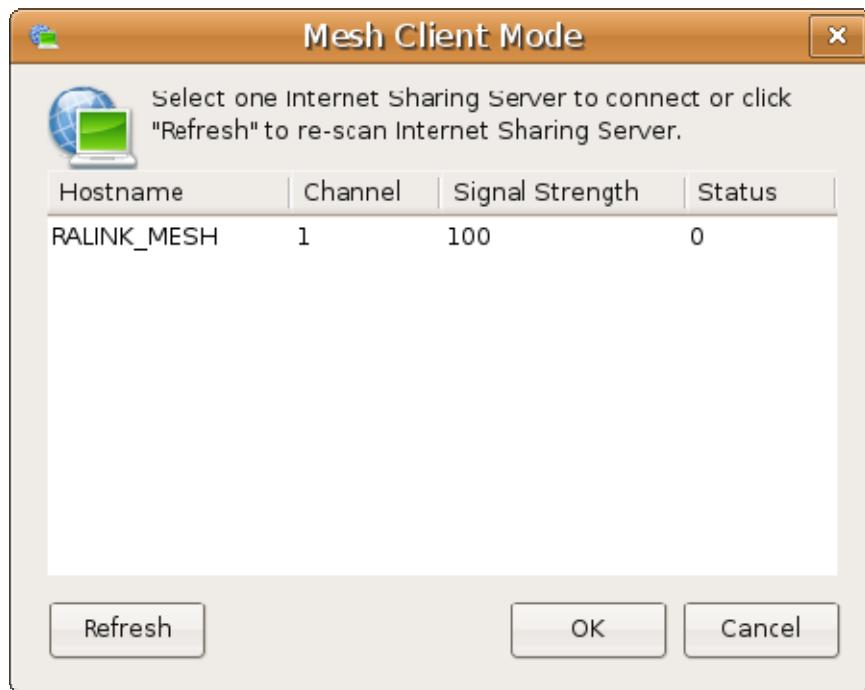
- Mesh Channel can only accept numbers ranging from 1 to 14. If any other characters are given and OK button is clicked, the following message will display:



**Figure 51 – Mesh Channel Contain Character Warning**

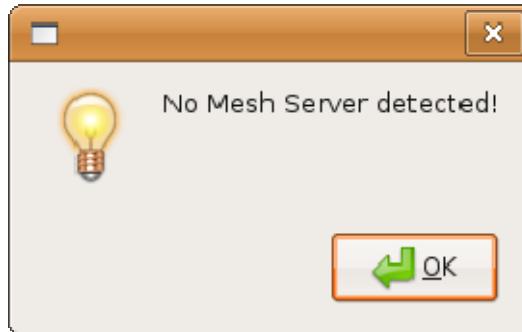
## 6.2 Mesh Client

Mesh Client mode can be enabled by single clicking **Connect to Mesh Network->Mesh Client (Use Other's Internet)** on the taskbar icon, **Mesh Client Mode** window will pop up to show mesh servers' information, including Hostname, Channel, Signal Strength and Status. You can click the Refresh button to re-scan Internet Sharing Servers.



**Figure 52 – Mesh Client Mode Dialog**

- If no Internet Sharing Server is in the list and the OK button is clicked, the following message will display:



**Figure 53 – No Mesh Server Warning**

- If Internet Sharing Servers can be seen in the list, you can select one Internet Sharing Servers and click OK button to enable Mesh Client Mode.



**Figure 54 – Mesh Client Confirm**

## 6.3 Mesh Server

In Mesh Server mode, you can share wired or wireless internet interface with other computers through mesh. Make sure you have connected network before mesh server mode is enabled.

If you have successfully connected Internet by Wired LAN or Wireless LAN, you can directly turn into Mesh Server mode to share current connection by clicking **Connect to Mesh Network->Mesh Server (Share My Internet)** on the taskbar icon. Otherwise, **Mesh Server (Share My Internet)** menu is disabled.

## 6.4 Turn off Mesh

You can single click **Connect to Mesh Network->Turn off Mesh** on the taskbar icon menu to exit the Mesh Network Mode. When mesh network is off, the network will turn back to the network mode before.

In addition, if the computer resumes from suspend status, the mesh interface will disappear, so the mesh network is off and network will turn back to the network mode before.

In mesh server mode, if current network is disconnected, mesh network will automatically turn off and turn back to normal network status.

## 7 Frequently Asked Questions

**Q:** Why won't **Intel-powered convertible classmate PC Enhanced Easy Network** turn on wireless and wired LAN?

**A:** The most likely reason is that your network adapter is disabled. Please make sure all network adapters are enabled.

**Q:** I entered the Scan for Networks window, but could not see my AP in the picture?

**A:** The most likely reason is that there are too many APs to be shown in the picture. You can see it in the Scan for Networks detail window.

**Q:** I entered the profile manager window, but some profiles are gray and cannot be edited; why?

**A:** Because there are two kinds of profiles: school profile and local profile. If you have a limited account, you cannot edit a school profile.

**Q:** Why can't I see some profiles in the Profile Manger dialog in the taskbar menu or Network Manger dialog?

**A:** A Profile will show only when the **Show** checkbox is selected in the **Profile Manager** dialog; otherwise it cannot be seen in the taskbar menu or Network Manager Dialog and be applied.

**Q:** Why am I unable to search any neighbors?

**A:** You can only search neighbors connecting with the same AP and your neighbors must make sure that they turn off their Windows firewall, that the computer name is not duplicate with other computers, and in the same workgroup.

**Q:** Why could I not click Scan for Networks and View Neighbors button in Network Manager Dialog?

**A:** You must click **Turn on Wireless** first, and then you can click them.

**Q:** Why can't I edit a profile in the Profile Manager dialog?

**A:** You cannot edit a profile that is active. You must have a different profile open to edit the profile.

**Q:** Why can't I apply a wired profile successfully?

**A:** You must make sure you can connect to the Internet through a wired adapter. If you set a wrong IP address, Sub Mask or Default Gateway, even if the wired is plugged in, **Intel-powered convertible classmate PC Enhanced Easy Network** will consider it as disconnected.

**Q:** Why can't I set network security in a wired profile?

**A:** Network security can be set only for wireless profile.

**Q:** Why could overwrite homepage and proxy not work in wireless settings page of a wireless profile?

**A:** Because Firefox must have been used before setting these options.

## 8 Appendix:

### CountryRegion

value

- 0: use 1 ~ 11 Channel
- 1: use 1 ~ 13 Channel
- 2: use 10 ~ 11 Channel
- 3: use 10 ~ 13 Channel
- 4: use 14 Channel
- 5: use 1 ~ 14 Channel
- 6: use 3 ~ 9 Channel
- 7: use 5 ~ 13 Channel

Please refer to ISO3166 code list for other countries and can be found at  
<http://www.iso.org/iso/en/prods-services/iso3166ma/02iso-3166-code-lists/list-en1.html#sz>

Item	Country Number	ISO Name	Country Name (CountryString)	Support 802.11A	802.11A Country Region	Support 802.11G	802.11G Country Region
1.	0	DB	Debug	Yes	A_BAND_REGION_7	Yes	G_BAND_REGION_5
2.	8	AL	ALBANIA	No	A_BAND_REGION_0	Yes	G_BAND_REGION_1
3.	12	DZ	ALGERIA	No	A_BAND_REGION_0	Yes	G_BAND_REGION_1
4.	32	AR	ARGENTINA	Yes	A_BAND_REGION_3	Yes	G_BAND_REGION_1
5.	51	AM	ARMENIA	Yes	A_BAND_REGION_2	Yes	G_BAND_REGION_1
6.	36	AU	AUSTRALIA	Yes	A_BAND_REGION_0	Yes	G_BAND_REGION_1
7.	40	AT	AUSTRIA	Yes	A_BAND_REGION_1	Yes	G_BAND_REGION_1
8.	31	AZ	AZERBAIJAN	Yes	A_BAND_REGION_2	Yes	G_BAND_REGION_1
9.	48	BH	BAHRAIN	Yes	A_BAND_REGION_0	Yes	G_BAND_REGION_1
10.	112	BY	BELARUS	No	A_BAND_REGION_0	Yes	G_BAND_REGION_1
11.	56	BE	BELGIUM	Yes	A_BAND_REGION_1	Yes	G_BAND_REGION_1
12.	84	BZ	BELIZE	Yes	A_BAND_REGION_4	Yes	G_BAND_REGION_1
13.	68	BO	BOLIVIA	Yes	A_BAND_REGION_4	Yes	G_BAND_REGION_1
14.	76	BR	BRAZIL	Yes	A_BAND_REGION_1	Yes	G_BAND_REGION_1
15.	96	BN	BRUNEI DARUSSALAM	Yes	A_BAND_REGION_4	Yes	G_BAND_REGION_1
16.	100	BG	BULGARIA	Yes	A_BAND_REGION_1	Yes	G_BAND_REGION_1
17.	124	CA	CANADA	Yes	A_BAND_REGION_0	Yes	G_BAND_REGION_0
18.	152	CL	CHILE	Yes	A_BAND_REGION_0	Yes	G_BAND_REGION_1
19.	156	CN	CHINA	Yes	A_BAND_REGION_4	Yes	G_BAND_REGION_1
20.	170	CO	COLOMBIA	Yes	A_BAND_REGION_0	Yes	G_BAND_REGION_0
21.	188	CR	COSTA RICA	No	A_BAND_REGION_0	Yes	G_BAND_REGION_1
22.	191	HR	CROATIA	Yes	A_BAND_REGION_2	Yes	G_BAND_REGION_1
23.	196	CY	CYPRUS	Yes	A_BAND_REGION_1	Yes	G_BAND_REGION_1
24.	203	CZ	CZECH REPUBLIC	Yes	A_BAND_REGION_2	Yes	G_BAND_REGION_1
25.	208	DK	DENMARK	Yes	A_BAND_REGION_1	Yes	G_BAND_REGION_1
26.	214	DO	DOMINICAN REPUBLIC	Yes	A_BAND_REGION_0	Yes	G_BAND_REGION_0
27.	218	EC	ECUADOR	No	A_BAND_REGION_0	Yes	G_BAND_REGION_1
28.	818	EG	EGYPT	Yes	A_BAND_REGION_2	Yes	G_BAND_REGION_1
29.	222	SV	EL SALVADOR	No	A_BAND_REGION_0	Yes	G_BAND_REGION_1
30.	233	EE	ESTONIA	Yes	A_BAND_REGION_1	Yes	G_BAND_REGION_1
31.	246	FI	FINLAND	Yes	A_BAND_REGION_1	Yes	G_BAND_REGION_1
32.	250	FR	FRANCE	Yes	A_BAND_REGION_2	Yes	G_BAND_REGION_1

33.	268	GE	GEORGIA	Yes	A_BAND_REGION_2	Yes	G_BAND_REGION_1
34.	276	DE	GERMANY	Yes	A_BAND_REGION_1	Yes	G_BAND_REGION_1
35.	300	GR	GREECE	Yes	A_BAND_REGION_1	Yes	G_BAND_REGION_1
36.	320	GT	GUATEMALA	Yes	A_BAND_REGION_0	Yes	G_BAND_REGION_0
37.	340	HN	HONDURAS	No	A_BAND_REGION_0	Yes	G_BAND_REGION_1
38.	344	HK	HONG KONG	Yes	A_BAND_REGION_0	Yes	G_BAND_REGION_1
39.	348	HU	HUNGARY	Yes	A_BAND_REGION_1	Yes	G_BAND_REGION_1
40.	352	IS	ICELAND	Yes	A_BAND_REGION_1	Yes	G_BAND_REGION_1
41.	356	IN	INDIA	Yes	A_BAND_REGION_0	Yes	G_BAND_REGION_1
42.	360	ID	INDONESIA	Yes	A_BAND_REGION_4	Yes	G_BAND_REGION_1
43.	364	IR	IRAN	Yes	A_BAND_REGION_4	Yes	G_BAND_REGION_1
44.	372	IE	IRELAND	Yes	A_BAND_REGION_1	Yes	G_BAND_REGION_1
45.	376	IL	ISRAEL	No	A_BAND_REGION_0	Yes	G_BAND_REGION_1

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46.	380	IT	ITALY	Yes	A_BAND_REGION_1	Yes	G_BAND_REGION_1
47.	392	JP	JAPAN	Yes	A_BAND_REGION_9	Yes	G_BAND_REGION_1
48.	400	JO	JORDAN	Yes	A_BAND_REGION_0	Yes	G_BAND_REGION_1

49.	398	KZ	KAZAKHSTAN	No	A_BAND_REGION_0	Yes	G_BAND_REGION_1
50.	408	KP	KOREA DEMOCRATIC	Yes	A_BAND_REGION_5	Yes	G_BAND_REGION_1
51.	410	KR	KOREA REPUBLIC OF	Yes	A_BAND_REGION_5	Yes	G_BAND_REGION_1
52.	414	KW	KUWAIT	No	A_BAND_REGION_0	Yes	G_BAND_REGION_1
53.	428	LV	LATVIA	Yes	A_BAND_REGION_1	Yes	G_BAND_REGION_1
54.	422	LB	LEBANON	No	A_BAND_REGION_0	Yes	G_BAND_REGION_1
55.	438	LI	LIECHTENSTEIN	Yes	A_BAND_REGION_1	Yes	G_BAND_REGION_1
56.	440	LT	LITHUANIA	Yes	A_BAND_REGION_1	Yes	G_BAND_REGION_1
57.	442	LU	LUXEMBOURG	Yes	A_BAND_REGION_1	Yes	G_BAND_REGION_1
58.	446	MO	MACAU	Yes	A_BAND_REGION_0	Yes	G_BAND_REGION_1
59.	807	MK	MACEDONIA	No	A_BAND_REGION_0	Yes	G_BAND_REGION_1
60.	458	MY	MALAYSIA	Yes	A_BAND_REGION_0	Yes	G_BAND_REGION_1
61.	484	MX	MEXICO	Yes	A_BAND_REGION_0	Yes	G_BAND_REGION_0
62.	492	MC	MONACO	Yes	A_BAND_REGION_2	Yes	G_BAND_REGION_1
63.	504	MA	MOROCCO	No	A_BAND_REGION_0	Yes	G_BAND_REGION_1
64.	528	NL	NETHERLANDS	Yes	A_BAND_REGION_1	Yes	G_BAND_REGION_1
65.	554	NZ	NEW ZEALAND	Yes	A_BAND_REGION_0	Yes	G_BAND_REGION_1
66.	578	NO	NORWAY	Yes	A_BAND_REGION_0	Yes	G_BAND_REGION_0
67.	512	OM	OMAN	Yes	A_BAND_REGION_0	Yes	G_BAND_REGION_1
68.	586	PK	PAKISTAN	No	A_BAND_REGION_0	Yes	G_BAND_REGION_1
69.	591	PA	PANAMA	Yes	A_BAND_REGION_0	Yes	G_BAND_REGION_0
70.	604	PE	PERU	Yes	A_BAND_REGION_4	Yes	G_BAND_REGION_1
71.	608	PH	PHILIPPINES	Yes	A_BAND_REGION_4	Yes	G_BAND_REGION_1
72.	616	PL	POLAND	Yes	A_BAND_REGION_1	Yes	G_BAND_REGION_1
73.	620	PT	PORTUGAL	Yes	A_BAND_REGION_1	Yes	G_BAND_REGION_1
74.	630	PR	PUERTO RICO	Yes	A_BAND_REGION_0	Yes	G_BAND_REGION_0
75.	634	QA	QATAR	No	A_BAND_REGION_0	Yes	G_BAND_REGION_1
76.	642	RO	ROMANIA	No	A_BAND_REGION_0	Yes	G_BAND_REGION_1
77.	643	RU	RUSSIA FEDERATION	No	A_BAND_REGION_0	Yes	G_BAND_REGION_1
78.	682	SA	SAUDI ARABIA	No	A_BAND_REGION_0	Yes	G_BAND_REGION_1

78.	682	SA	SAUDI ARABIA	No	A_BAND_REGION_0	Yes	G_BAND_REGION_1
79.	702	SG	SINGAPORE	Yes	A_BAND_REGION_0	Yes	G_BAND_REGION_1
80.	703	SK	SLOVAKIA	Yes	A_BAND_REGION_1	Yes	G_BAND_REGION_1
81.	705	SI	SLOVENIA	Yes	A_BAND_REGION_1	Yes	G_BAND_REGION_1
82.	710	ZA	SOUTH AFRICA	Yes	A_BAND_REGION_1	Yes	G_BAND_REGION_1
83.	724	ES	SPAIN	Yes	A_BAND_REGION_1	Yes	G_BAND_REGION_1
84.	752	SE	SWEDEN	Yes	A_BAND_REGION_1	Yes	G_BAND_REGION_1
85.	756	CH	SWITZERLAND	Yes	A_BAND_REGION_1	Yes	G_BAND_REGION_1
86.	760	SY	SYRIAN ARAB REPUBLIC	No	A_BAND_REGION_0	Yes	G_BAND_REGION_1
87.	158	TW	TAIWAN	Yes	A_BAND_REGION_3	Yes	G_BAND_REGION_0
88.	764	TH	THAILAND	No	A_BAND_REGION_0	Yes	G_BAND_REGION_1
89.	780	TT	TRINIDAD AND TOBAGO	Yes	A_BAND_REGION_2	Yes	G_BAND_REGION_1
90.	788	TN	TUNISIA	Yes	A_BAND_REGION_2	Yes	G_BAND_REGION_1
91.	792	TR	TURKEY	Yes	A_BAND_REGION_2	Yes	G_BAND_REGION_1
92.	804	UA	UKRAINE	No	A_BAND_REGION_0	Yes	G_BAND_REGION_1
93.	784	AE	UNITED ARAB EMIRATES	No	A_BAND_REGION_0	Yes	G_BAND_REGION_1
94.	826	GB	UNITED KINGDOM	Yes	A_BAND_REGION_1	Yes	G_BAND_REGION_1
95.	840	US	UNITED STATES	Yes	A_BAND_REGION_0	Yes	G_BAND_REGION_0
96.	858	UY	URUGUAY	Yes	A_BAND_REGION_5	Yes	G_BAND_REGION_1
97.	860	UZ	UZBEKISTAN	Yes	A_BAND_REGION_1	Yes	G_BAND_REGION_0
98.	862	VE	VENEZUELA	Yes	A_BAND_REGION_5	Yes	G_BAND_REGION_1
99.	704	VN	VIET NAM	No	A_BAND_REGION_0	Yes	G_BAND_REGION_1
100.	887	YE	YEMEN	No	A_BAND_REGION_0	Yes	G_BAND_REGION_1
101.	716	ZW	ZIMBABWE	No	A_BAND_REGION_0	Yes	G_BAND_REGION_1