LP-570G Installation Guide

LP570G_IG_ENB01W



LP-570G

Installation Guide



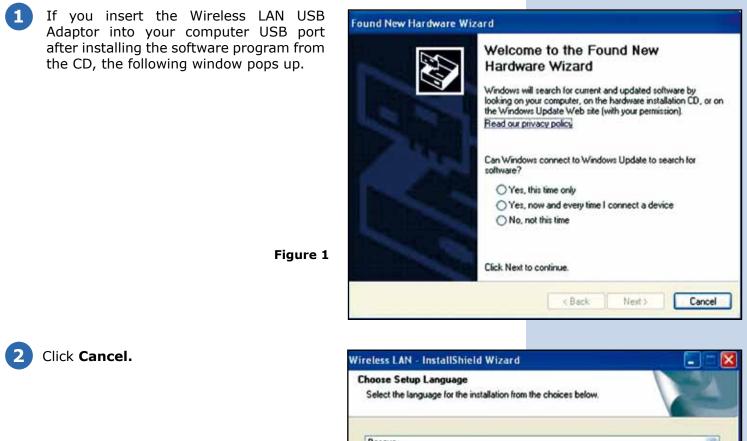
This manual will Guide you in the Installation of your **LP-570G**. Before you proceed with the installation, please read the following Notes:

Note 1: The following installation was operated under Windows XP. (Procedures are similar to Windows 98SE/Me/2000.)

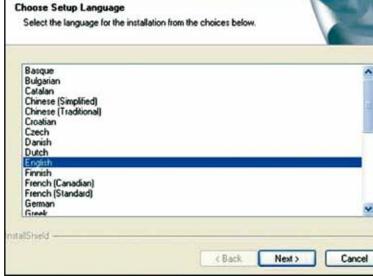
Note 2: If you have installed the WLAN USB driver & utility already, please uninstall the old version first.

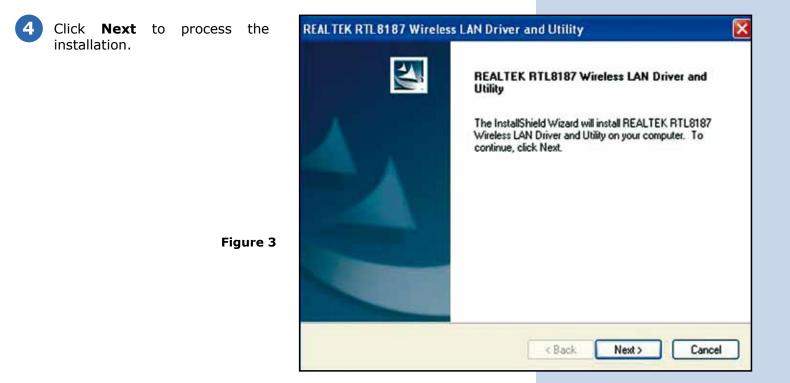
Note 3: Do not insert the wireless LAN adapter into your computer until the procedure of **Install the Driver & Utility** has been performed.

A Installation









Click Install to WLAN USB adaptor installation.	REALTEK RTL 8187 Wireless LAN Driver and Utility REALTEK RTL 8187 Wireless LAN Driver and Utility
	Click Install to begin the installation. If you want to review or change any of your installation settings, click Back. Click Cancel to exit the wizard.
Figure 4	InstallShield Cancel

6 On the Windows Logo Software Installation screen, click Continue Anyway to continue. Note: Not all the drivers will have this message box.

⚠	The software you are installing for this hardware: WDAPINET Miniport
	has not passed Windows Logo testing to verify its compatibility with Windows XP. (<u>Tell me why this testing is important.</u>)
	Continuing your installation of this software may impai or destabilize the correct operation of your system either immediately or in the future. Microsoft strongly recommends that you stop this installation now and contact the hardware vendor for software that has passed Windows Logo testing.

Figure 5



8

installation.

After setup, restart your computer.

Click **Finish** to complete the

EALTEK RTL8187 Wireles	s LAN Driver and Utility
	InstallShield Wizard Complete The InstallShield Wizard has successfully installed REALTEK RTL8187 Wireless LAN Driver and Utility. Before you can use the program, you must restart your computer.
	 Yes, I want to restart my computer now. No, I will restart my computer later. Remove any disks from their drives, and then click Finish to complete setup.
	< Back Finish Cancel

Show updates

2.80MB

73.7968

Salaha

Remove

38.52MB

4.07HS

5.39MB

31.75M8

0.97148

1.25M8

Used occasionally

-

4

Sort by: Name

Set

504

Set

520

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500

See

526

SLANPRO

B Uninstallation

🐻 Add or Remove Programs

Currently installed programs:

Cick here for support information.

REALTER RTL8187 Wireless LAN Driver and URIRY

PrintServer Utilities

Shrew Soft VPN Client

Sonic Update Manager

Contraction In the The Green Bow IPSec VPN Client

Stype Toobars

Skype" 4.2

g QuickTime

1 Salari

5

Change or Remove

Programs

Add New Program

Add/Remov Windows Component

۲

Set Program Access and

Defaults

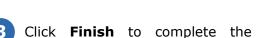
1 Uninstall the WLAN USB Adaptor Driver from Wireless Network Driver and Utility or Control Panel. Click Uninstall (or Change/Remove) to remove Wireless LAN USB Adaptor driver.

Figure 7

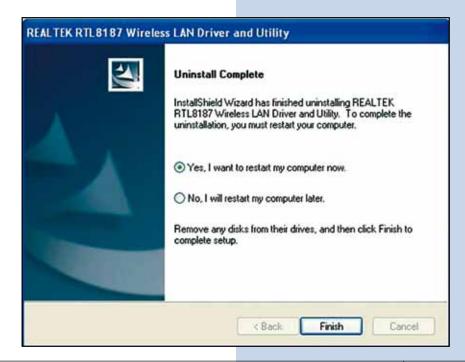


Click **Yes** if you want to remove Wireless LAN USB Adaptor Driver.





uninstallation.

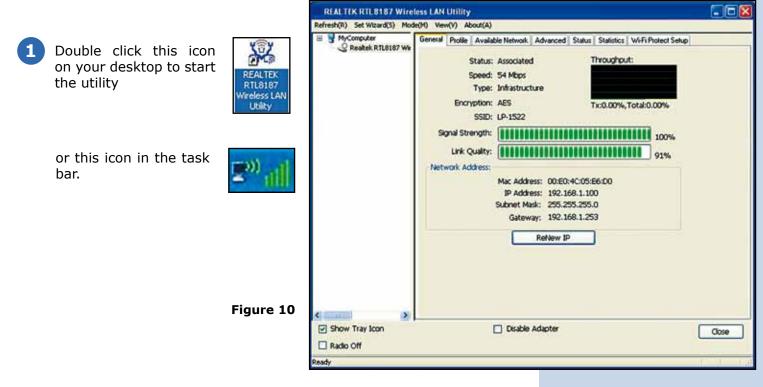


www.lanpro.com

Making a Basic Network Connection

In the following instruction for making a network connection, we use the utility we provided to configure your wireless network settings.

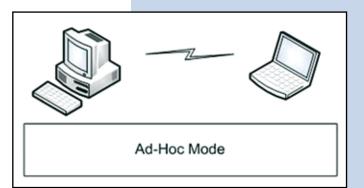
Note: For Windows XP users that want to configure your wireless network using this Utility, please perform the following procedures to disable your native Windows XP wireless support (Wireless Zero Configuration Service)



Ad-Hoc Mode

An **Ad-Hoc mode** wireless network connects two computers directly without the use of a router or AP. It is also known as a peer-to-peer network. For example, we can install this wireless adapter to two computers respectively. The communication between the two computers is an Ad-Hoc mode network.

Figure 11

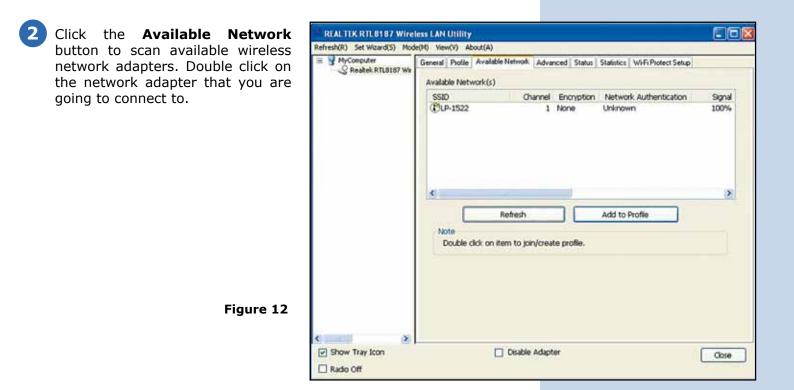


Double click this icon on your desktop to start the utility



or this icon in the task bar.





Click the **OK** button to confirm that you are connecting to an open wireless network.

o confirm	REAL TEK RTL 8187 W		100				- 0 ×
o an open	Refresh(R) Set Wasrd(3) 1 MyConputer Restek RTL5187 V	General Profile	Available Network	Adva	nced Status	Statistics Wi-Fi Protect Setup	
		SSID		nel	Encryption	Network Authentication	Signal
		(T)LP-1522	1200		None	Unknown	100%
		I [®] Repare Val I [®] Ventas Cos		6	TKIP TKIP/AES	WPA Pre-Shared Key WPA Pre-Shared Key	78% 64%
		Insecured network	£				×
		Vou are conn Information	ecting to the unsecu sent over this netwo	red n rk is r	etwork " LP-15	22 ". Ind might be visible to other peop	ke.
			OK	_	Cancel	7	Xe. 💦
				_	Cancel	J	
		Note Double dk	ck on item to join/	crea	te profile.		
Figure 13							
	<	8					
	Show Tray Icon		Disable A	dapt	er		Close
	Radio Off						
	Ready						11 11 11.2

- 4
- Click **OK** to add this network into the profile list.

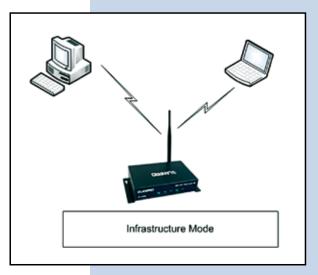
Note: This example is an open wireless network. If you are going to connect to a Wireless adapter with security protection, you will have to configure the encryption settings in this profile to be corresponding to the other wireless adapter. Please click on the **Network Authentication** drop list to select an authentication method, and then select a **Data encryption** type. Fill in each required blanks and click **OK.**

reless Network Pr	operties:	× ×
Profile Name:	LP-1522	
vetwork Name(SSID):	U%1522	
This is a computer-t access points are n	o-computer(ad hoc) network; wireless ot used.	802.1x configure EAP TYPE :
Channel:	11 (2462/94z) 😒	GIC
Wireless network sec	and a second	Tunnel :
	a key for the following:	· · · · · · · · · · · · · · · · · · ·
Netw	ork Authentication: Open System 💌	Username :
	Data encryption: Disabled	
Cascil Deas	SPHRASE	Identity :
Key index (advanced)	R [1] W	Password :
Network key:		Certificate :
Confirm network key:		
OK	Cancel	

Infrastructure mode

Figure 14

An **Infrastructure Mode** network contains at least one wireless client and one wireless AP or router. This client connects to Internet or intranet by communicating with this wireless AP.



To use this adapter in Infrastructure Mode:

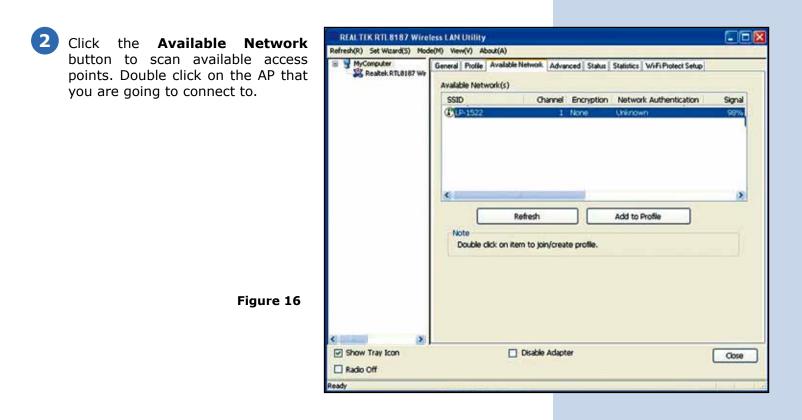
1 Double click this icon on your desktop to start the utility



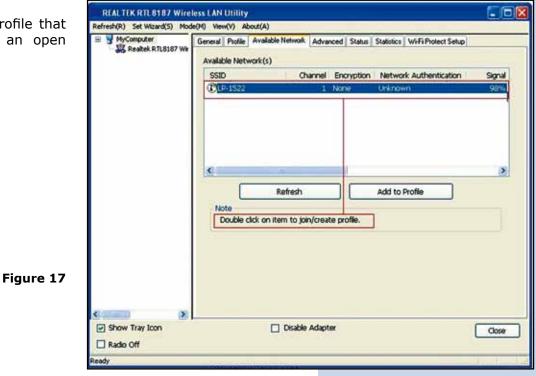
Figure 15

or this icon in the task bar.





Double click to create profile that you are connecting to an open wireless network.





Click **OK** to add this network into the profile list.

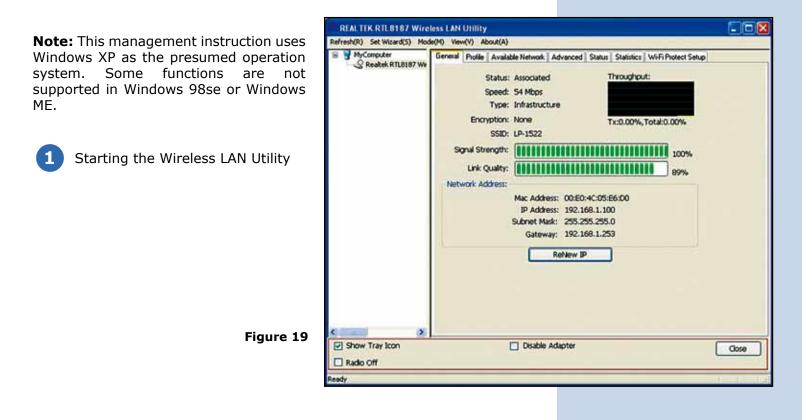
Note: This example is an open wireless network. If you are going to connect to an AP with security protection, you will have to configure the encryption settings in this profile to correspond to your AP. Please click on the **Network Authentication** drop list to select an authentication method, and then select a "Data encryption" type. Fill in each required blanks and click **OK**.

Tip: Windows XP and Windows 2000 users is also allowed to connect to your wireless network with the **RT-Set** setup wizard. Please refer to **Appendix** for more information.

Figure 18

Wireless Network Properties:	
Profile Name: LP-1522	
Network Name(SSID): UP-1522	f
This is a computer-to-computer(ad hoc) network; wireless access points are not used.	802.1x configure EAP TYPE :
Channel: 11 (2412/1-0) -	loto V
Wireless network security	Tunnel :
This network requires a key for the following:	
Network Authentication: Open System 👻	Usemane :
Data encryption: Disabled	
ASCII PASSPHRASE	Identity :
Key index (advanced):	Password :
Network key:	Certificate :
Confirm network keys	
OK Carcel	

Introduction to the Wireless LAN Utility



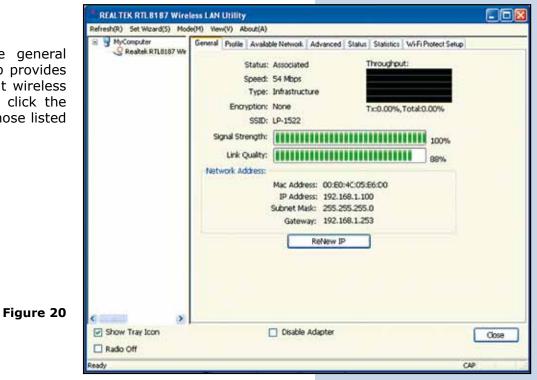
2 You may click on the tabs above to configure this adapter. The checkboxes below provide the following functions:

- Show Tray Icon
- Radio Off
- Disable Adapter

Show Tray Icon	Check this checkbox to show the utility icon on yoursystem tray, which is in the notification area at the lower-right corner of the windows desktop. You may also uncheck it to remove the utility icon from system tray.
Radio Off	Check this checkbox to prevent this adapter form transmitting or receiving signals. Uncheck it to communicate.
Disable Adapter	Check this checkbox to disable this wireless, Uncheck it to enable this adapter again.

General

After starting the utility, the general page pops up This General tab provides the information of your current wireless network connection. You may click the **Renew IP** button to refresh those listed information.



Status:	Check if the device associated to target network.
Speed:	The current connection speed.
Туре:	Infrastructure mode or Ad-Hoc mode.
Encryption:	The performing encryption mode for connecting to current network profile.
SSID:	The SSID (network name) of the connected wireless network.
Signal Strength:	Indicates the signal strength detected by this adapter.
Link Quality:	Indicates the link quality of this wireless connection.
Network Address:	Shows the current IP addresses settings for this adapter.

Profile

The Profile tab lists the preferred connections. You can click the buttons beside to do configure each connection.

Realtek RTLB187 We		k Advanced Status Statistics WiFi	Protect setup:
	Profile Name	SSID	Add
	CLP-1522	LP-1522	
			Remove
			Edit
			Duplicate
			Set Default
	6		
e mariti (s)			
Show Tray Icon		le Adapter	and the second se
		Avalable Profile (s) Profile Name CULP-1522 C	Available Profile (s)

- Add: Click this button to add a connection profile for this adapter.
- **Remove:** To remove a connection profile, click this profile on the profile list and click this button to delete it.
- **Edit:** To modify the configurations for a profile, click this profile on the profile list and click this button to edit.
- **Duplicate:** To make a copy of a profile, click the profile that going to be copied, and click this button to copy it.
- **Set Default:** To select a profile as your default wireless connection, click this profile on the list and click this button. You may also double click on each profile to select it as your default wireless connection.

Available Netwo	rk	REALTEK RTL8187 Wire	and the second se			
This available tab wireless network o	lists the reachable of this adapter.	Refresh(R) Set Wizard(S) Mod B V MyComputer C Realtek RTL8167 We		de Netwolk Advanced Status Channel Encryption 1 None	Statistics Wi-Fi Protect Setup Network Authentication Unknown	Signal 98%
Refresh:	Click this button to rescan available networks around the adapter.					
Add to Profile:	To add an available Network to your profile list, select the Available Network and click this button to add.		K Note Double dick on i	Retresh	Add to Profile	
	Figure 22	Show Tray Icon	1] Disable Adapter		Cose

Advanced

This **Advanced** tab provides advanced configurations to this adapter. Every modification in this tab will be performed after clicking the **Apply** button.

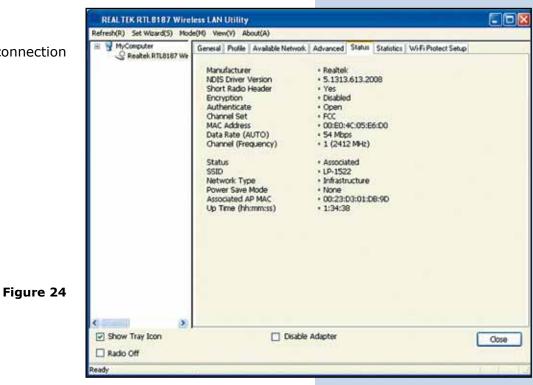
To restore the default settings of the advanced tab, click the **Set defaults** button to perform restoring.

anced	B MyComputer	General Profile Available	Network Advanc	ed Status	Statistics	Wi-Fi Protect Setup	
Every ormed	Reakek RTL8187 W	Power Save © None O Min	Turbo Mode O OFF O ON @ AUTO		Fragment	Threshold 2346	2432
of the faults		Wireless Mode 802.11b/g Y Preamble Mode Auto		0		0	2432
		PSP XLink Mode					
ure 23		Set Defau	lts		A	xply	
	a manufi (N						
	Show Tray Icon		Disable Adapter	t.		j	Close

	Power Save				
None	Disable Power saving function				
Min	Minimum power consumption				
Max	Maximum power consumption				
	Turbo Mode				
Off	Disable turbo mode				
On	Enable turbo mode				
Auto	Enable or disable turbo mode automatically according to thedetected environment				
	Fragment Threshold				
The maximum size of a packet that is going to be segmented and transmitted. Select the size from 256 to 2432(default) bytes.					
	RTS Threshold				
Select the RTS Threshold form 0 to 2432(default)					
Wireless Mode					
802.11g/b	Connect to a 802.11b/g network (2.4GHz/54Mbps)				
802.11b	Connect to a 802.11b network (2.4GHz/11Mbps)				
	802.11b Preamble Mode				
Select the p	Select the preamble mode to be long, short or auto detection mode.				
	Channel Plan				
	Select your region from the drop list. Please note that it is necessary for you to select a correct region. Selecting an incorrect region may again the applicable law.				
	PSP XLink Mode				
If you are us	sing the PS2 or X-box for wireless connection				

Status

This tab shows the current connection status of this adapter.



Statistics

See this tab to show the transmission activity record. Clicking the **Reset** button recounts the values from zero.

Reakek RTL8187 We	General	Profile Available Network	Advanced Status	Statistics	Wi-Fi Protect Setup	
		Counter Name Tx OK Tx Error Rx OK Rx Packet Count Rx Retry Rx ICV Error			Value 5899 0 5748 5748 1395 0	
C				Reset		
Show Tray Icon		Disable	Adapter			Close

Figure 25

Wi-Fi Protected Setup

This device provides Wi-Fi Protected Setup, an easy and secure Wi-Fi network setup solution, which contains two options of operation methods, each one will be functional.

PIN Method: After pushing the PIN button, please enter your PIN code into your AP.

PBC Method: After pushing the PBC button, please push the physical button on your AP or visual button on the WPS configuration page.

B V MyComputer	(M) View(V) Abouk(A) General Profile Available Network Advanced Status Statustics Wi-Fi Protect Setup
C Rostek RTLB187 W	Wirfi Protected Setup (WPS) An easy and secure setup solution for Wi-Fi network Pinout Config (PIN) After pushing the PIN button.Please enter the PIN code into your AP. PIN Code : 85853188 Pin Input Config (PIN) Push Button After pushing the PBC button.Please push the physical button on your AP or visual button on the WPS config page. Push Button Config (PBC)
Show Tray Icon	Disable Adapter Close
V SRUW HAY ILUH	

AP mode management guide General

After configuring the adapter in AP mode, this **General** page shows up, which shows the general information of this AP.

SSID: The SSID (network name) of the wireless network constructed by this AP. **BSSID:** The MAC address of this AP. **Config:** Click this button to change

configurations to this AP. **Association Table:** Shows the information of those devices that associated with this AP including their MAC addresses and the time that they connected with this device.

(M) View(V) About(A) General Advanced Statistics ICS SSID: LP-570G	
BSSID: 00:E0:4C:05:E6:D0 Association Table Config	1
AID Mac Address Life Time	
Disable Adapter	Close
	Association Table Config

Figure 27

Advanced

- **Beacon Interval:** Define the interval between beacons from 20~1000.
 - **DTIM Period:** Set the DTIM period between $1 \sim 255$.
- **Preamble Mode:** Click the drop list to select the preamble to be long, short or auto.
 - **Set Defaults:** Click this button to restore the settings above to default.
 - **Apply:** Click this button to execute changes.

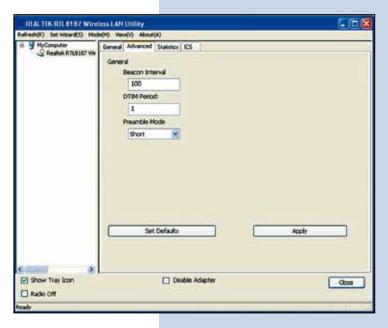


Figure 28

Statistics

See this tab to show the transmission activity record. Clicking the **Reset** button recounts the values from zero.

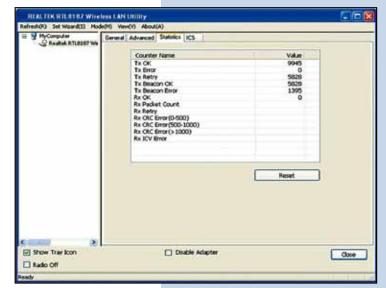


Figure 29

Internet Connection Sharing (ICS)

This page allows users to select the adapter for connect to public network.

Please click on the device that are used for connecting to public network and click the **Select** button, and then click the **Apply** button to execute.

Refresh(R) Set Wicard(S) Mod	e(M) Vere(V) About(A)			
Restel, R7L8387 We	General Advanced Statistics ICS			
	Setting Internet Connection Sharing (ICS)			
	Convisione Device Name			
	21 Local Area Connection Intel01 J PRO/1000 MT Mobile Connection			
	Public Network			
	Acely			
Carell B		_		
Show Tray Icon	Cleable Adapter	Close		