TP-LINK®

User Guide

TL-WN360G 54M Wireless Mini PCI Adapter

• 2.4GHz • 802.11g/b

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FCC STATEMENT



This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/ TV technician for help.

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:

- 1) This device may not cause harmful interference.
- 2) This device must accept any interference received, including interference that may cause undesired operation.

Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Note: The manufacturer is not responsible for any radio or tv interference caused by unauthorized modifications to this equipment. Such modifications could void the user's authority to operate the equipment.

FCC Radiation Exposure Statement

This equipment complies with FCC RF radiation exposure limits set forth for an uncontrolled environment. This device and its antenna must not be co-located or operating in conjunction with any other antenna or transmitter.

"To comply with FCC RF exposure compliance requirements, this grant is applicable to only Mobile Configurations. The antennas used for this transmitter must be installed to provide a separation distance of at least 20 cm from all persons and must not be co-located or operating in conjunction with any other antenna or transmitter."

CE Mark Warning

(€1588⊕

This is a class B product. In a domestic environment, this product may cause radio interference, in which case the user may be required to take adequate measures.

National Restrictions

2400.0-2483.5 MHz

Country	Restriction	Reason/remark	
Pulgaria		General authorization required for outdoor use and	
Bulgaria		public service	
France	Outdoor use limited to 10	Military Radiolocation use. Refarming of the 2.4 GHz	
	mW e.i.r.p. within the band	band has been ongoing in recent years to allow current	
	2454-2483.5 MHz	relaxed regulation. Full implementation planned 2012	
Italy		If used outside of own premises, general authorization is	
		required	
Luxembourg	None	General authorization required for network and service	
		supply(not for spectrum)	
Norway	luna un la una a unta al	This subsection does not apply for the geographical area	
	Implemented	within a radius of 20 km from the centre of Ny-Ålesund	
Russian Federation		Only for indoor applications	

Note: Please don't use the product outdoors in France.

When the module is installed inside another device, then the outside of the device into which the module is installed must also display a label referring to the enclosed module. This exterior label can use wording such as the following: "Contains Transmitter Module FCC ID: TE7WN360G" or "Contains FCC ID: TE7WN360G." Any similar wording that expresses the same meaning may be used.

DECLARATION OF CONFORMITY

For the following equipment:

Product Description: 54M Wireless Mini PCI Adapter

Model No.: TL-WN360G

Trademark: TP-LINK

We declare under our own responsibility that the above products satisfy all the technical regulations applicable to the product within the scope of Council Directives:

Directives 1999/5/EC

The above product is in conformity with the following standards or other normative documents:

ETSI EN 300 328 V1.7.1: 2006

ETSI EN 301 489-1 V1.8.1:2008 & ETSI EN 301 489-17 V1.3.2:2008

EN60950-1:2006 EN62311:2008

Person is responsible for marking this declaration:

Yang Hongliang

Product Manager of International Business

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Package Contents

The following items should be found in your package:

- One TL-WN360G Wireless Adapter
- > Quick Installation Guide
- > One Resource CD for TL-WN360G, including:
 - TP-LINK Wireless Client Utility (TWCU) and Drivers
 - Other Helpful Information

Note:

Make sure that the package contains the above items. If any of the listed items are damaged or missing, please contact with your distributor.

Chapter1 Introduction

Thank you for choosing the TL-WN360G 54M Wireless Mini PCI Adapter

1.1 Overview of the Product

The adapter is designed to provide a high-speed and unrivaled wireless performance for your notebook PC. With a faster wireless connection, you can get a better Internet experience, such as downloading, gaming, video streaming and so on.

The adapter's auto-sensing capability allows high packet transfer rate of up to 54Mbps for maximum throughput, or dynamic range shifting to lower speeds due to distance or operating limitations in an environment with a lot of electromagnetic interference. It can also interoperate with all 11Mbps wireless (802.11b) products. Your wireless communications are protected by up to 152-bit WEP and WPA encryption for high security.

The Quick Setup Wizard guides you step by step through the installation process; the TP-LINK Wireless Client Utility helps you create a wireless connection immediately.

1.2 Features

- ➤ Complies with IEEE 802.11g, IEEE 802.11b standards
- Supports WPA/WPA2 data security, IEEE 802.1x authentication, TKIP/AES encryption, 64/128/152-bit WEP encryption
- > Supports 54/48/36/24/18/12/9/6Mbps or 11/5.5/2/1Mbps wireless LAN data transfer rates
- Provides 32-bit Mini PCI interface
- Supports Ad-Hoc and Infrastructure modes
- Supports roaming between access points when configured in Infrastructure mode
- > Ease to configure and provides monitoring information
- Supports Windows 2000, XP86, Vista32, Vista64

Chapter2 Installation Guide

2.1 Hardware Installation

To install the adapter, follow these steps listed below:

- 1. Turn off your notebook PC and disconnect the power.
- 2. Remove your notebook PC case and locate the available Mini PCI slot on the motherboard. Check with your computer manufacturer for instructions if needed.
- Slide the Adapter into the Mini PCI slot. Make sure that all of its pins are touching the slot's
 contacts. Then fasten the Adapter to your PC's chassis with a mounting screw, set up the
 antenna and replace your PC case.
- 4. Reconnect your PC's power and turn on your notebook PC.

2.2 Software Installation

2.2.1 Overview

The Adapter's Setup Wizard will guide you through the Installation procedure for Windows 2000, XP86, Vista32, and Vista64. The Setup Wizard will install the TP-LINK Wireless Client Utility (TWCU) and drivers.

When you install the hardware before installing the software, the system will prompt "Found New Hardware Wizard", click **Cancel**, and run the Setup Wizard program on the CD-ROM.

The Setup steps for Windows 2000, XP are very similar. The following setup steps are for Windows XP.

2.2.2 Software Installation for Windows XP

 Insert the Resource CD into your CD-ROM drive, and the Figure 2-1 will appear. To continue, select the TL-WN360G and there will be a menu display, including: **Driver(Vista)** and **Driver(Win2000_XP)**.



Figure 2-1

2. Click Driver (Win2000_XP) to load the following screen.

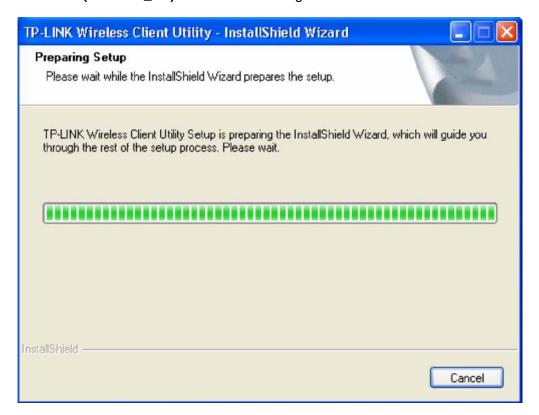


Figure 2-2

3. After that, Figure 2-3 will appears, click **Next** to continue.

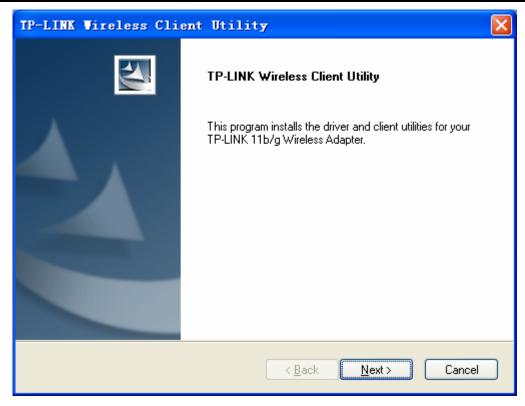


Figure 2-3

4. Choose a Setup type in Figure 2-4. It is recommended to select Install Client Utilities and Driver. Click Next to continue.

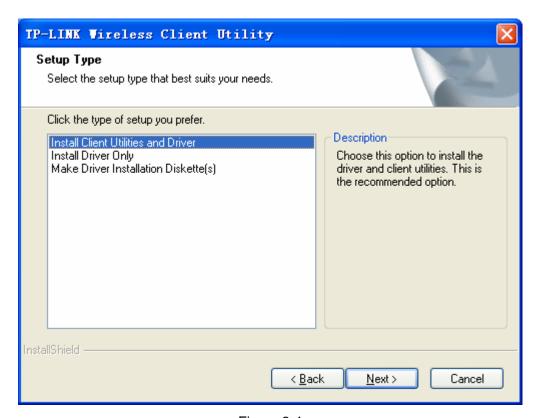


Figure 2-4

Click **Browse** to change the destination location for the software in Figure 2-5. After that,

click Next to continue.

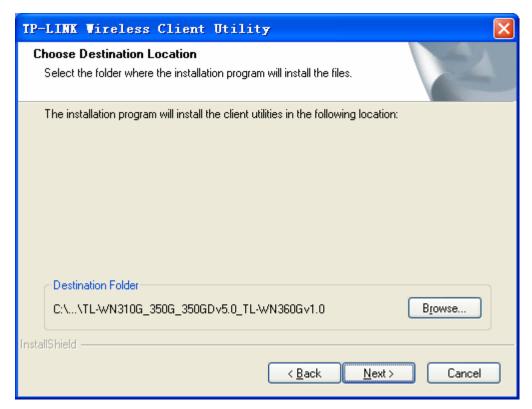


Figure 2-5

Create a new folder name or select one from the Existing Folders list in Figure 2-6. It is recommended to keep the default setting. Click Next to continue.

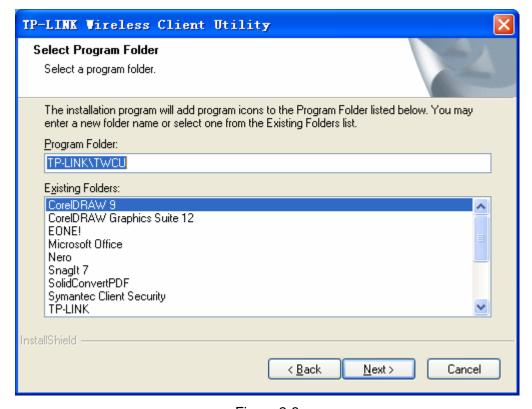


Figure 2-6

._....

7. Please read the information carefully in Figure 2-7, and click "Next" to continue.

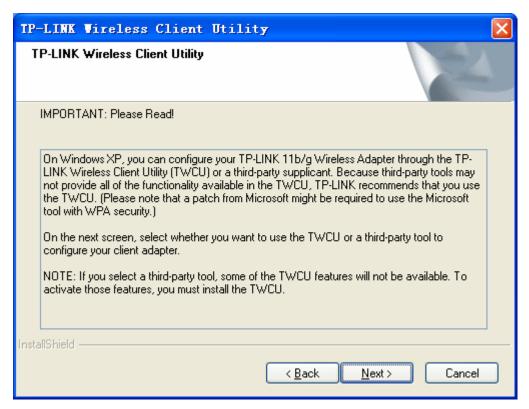


Figure 2-7

8. Choose **TP-LINK Wireless Client Utility (TWCU) and Supplicant** as a tool to configure the client adapter on the screen as below, and click **Next** to continue.

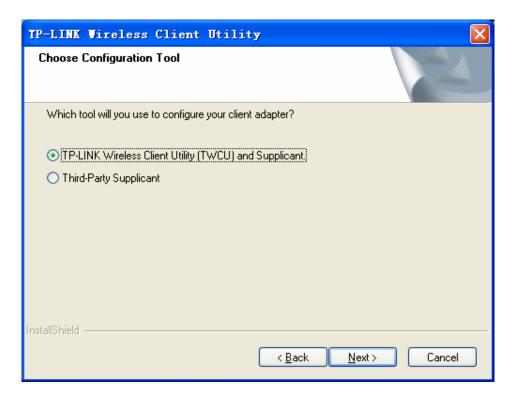


Figure 2-8

Choose "Do Not Install Single Sign On Feature Set" In Figure 2-9, and the system won't reboot after the installation. If you choose "Install Single Sign On feature set", the system will reboot later. Click Next to continue.

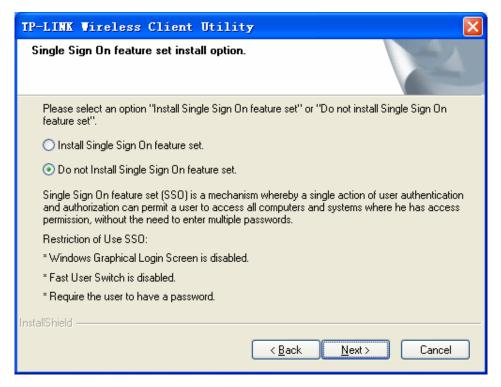


Figure 2-9

10. Click **OK** to continue the Installation in Figure 2-10.



Figure 2-10

11. Wait for the installation program to run automatically.

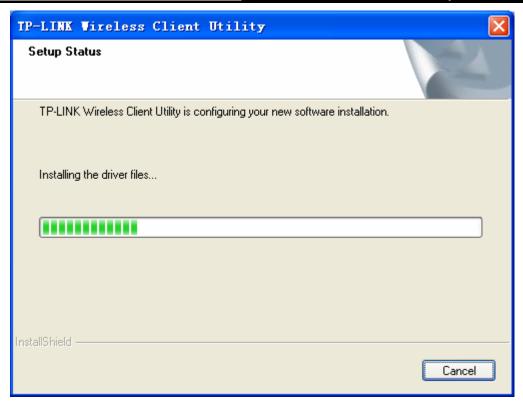


Figure 2-11

12. During the step, the Setup Wizard will notify you of how to proceed with the installation as shown below. Our drivers have been tested thoroughly, and are able to work with the operating system. Click **Continue Anyway** to continue the Installation.



Figure 2-12

In Windows 2000, the warning screen is shown below (Figure 2-13), and please select **Yes** to continue installation.



Figure 2-13

13. After all the steps above, and you will see the screen as below, click **Finish** to complete the installation.

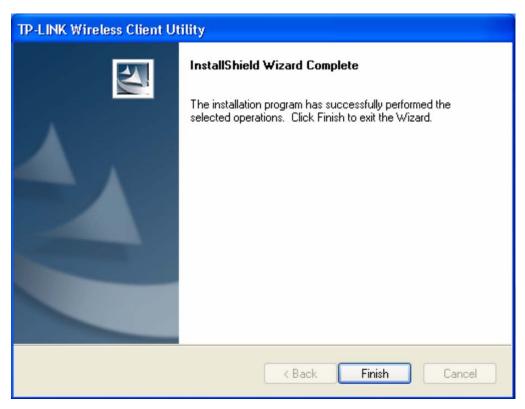


Figure 2-14

2.2.3 Software Installation for Windows Vista

 Insert the Resource CD into your CD-ROM drive, and the Figure 2-15 will appear. To continue, select the TL-WN360G and there will be a menu display, including: **Driver(Vista)** and **Driver(Win2000_XP)**.



Figure 2-15

14. Click Driver (Vista) to load the following screen.

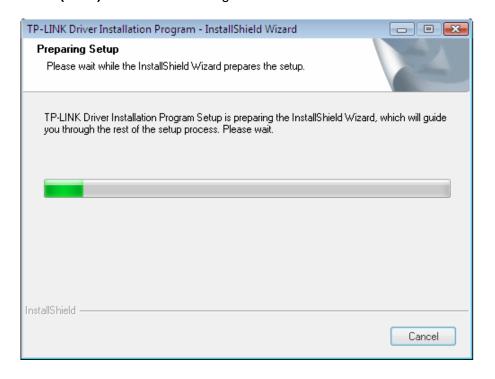


Figure 2-16

2. Click **Next** in the screen below (shown in Figure 2-17) to continue, you can click Cancel to end the installation.

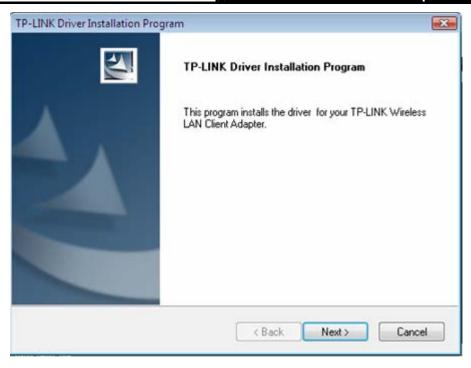


Figure 2-17

3. The following page will display and please wait a moment. To end the Installation, click **Cancel**.

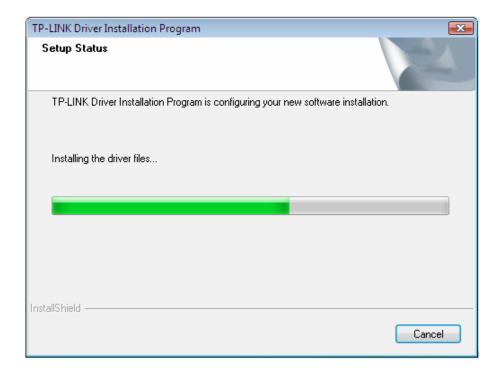


Figure 2-18

Note:

During the installation, the system will warn about Windows Security testing, please click "**Install this driver software anyway**" to continue the installation.

Figure 2-19

4. Click the **Finish** button to complete.

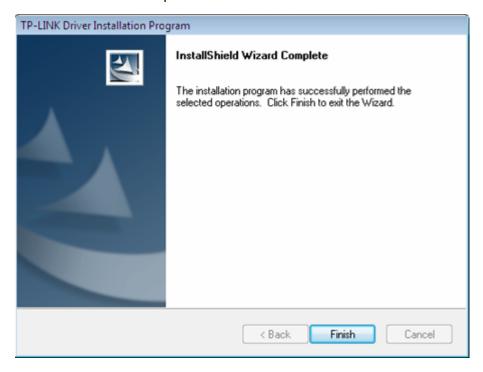


Figure 2-20

Chapter3 Configuration for Windows XP

TP-LINK Wireless Adapter TL-WN360G can be configured by TP-LINK Wireless Client Utility (TWCU). This chapter describes how to configure your TP-LINK Wireless Adapter for wireless connectivity on your Wireless Local Area Network (WLAN) and use the data security encryption features.

After Installing the Adapter, the Adapter's tray icon will appear in your system tray. It appears at the bottom of the screen, and shows the signal strength using color and the received signal strength indication (RSSI).

- If the icon is gray, there is no connection.
- If the icon is red, there is poor signal strength and the RSSI is less than 5dB.
- If the icon is yellow, there is poor signal strength and the RSSI is between 5dB and 10dB.
- If the icon is green, there is good signal strength and the RSSI is between 10dB and 20dB.
- If the icon is green, there is excellent signal strength and the RSSI is more than 20dB.

Double-click the icon and the **TWCU** will run. You can also run the utility by clicking the Start>Program>TP-LINK>TWCU>TP-LINK Wireless Client Utility. The TWCU provides a complete and easy to use set of tools to:

- Display current status information
- > Edit and add configuration profiles
- Display current diagnostics information

The section below introduces these above capabilities.

3.1 Current Status

The Current Status tab contains general information about the program and its operations. The Current Status tab does not require any configurations.

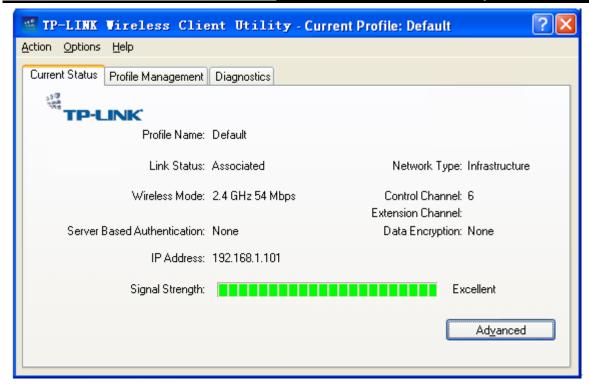


Figure 3-1

The following table describes the items found on the Current Status screen.

- Profile Name The name of current selected configuration profile. Set up the configuration name on the General tab of Profile Management.
- **Link Status -** Shows whether the station is associated to the wireless network.
- Wireless Mode Displays the wireless mode. Configure the wireless mode on the Advanced tab of Profile Management.
- Network Type The type of network and the station currently connected. The options include:
 - Infrastructure (access point)
 - Ad Hoc

Configure the network type on the **Advanced** tab of **Profile Management**.

- > IP Address Displays the computer's IP address.
- > Current Channel Shows the currently connected channel.
- > Data Encryption Displays the encryption type the driver is using. Configure the encryption type on the Security tab of Profile Management.
- > Server Based Authentication Shows whether server based authentication is used.
- Signal Strength Shows the strength of the signal.

Click **Advanced** to see advanced information about the program and its operations. For more information, please refer to the help file of the utility.

3.2 Profile Management

Click the Profile Management tab of the TWCU and the Profile Management screen will appear,

Figure 3-2. The Profile Management screen provides tools to:

- Add a profile
- Edit a profile
- > Remove a profile
- Switch to another Profile
- Import a Profile
- > Export a Profile
- Scan Available Networks
- Order profiles

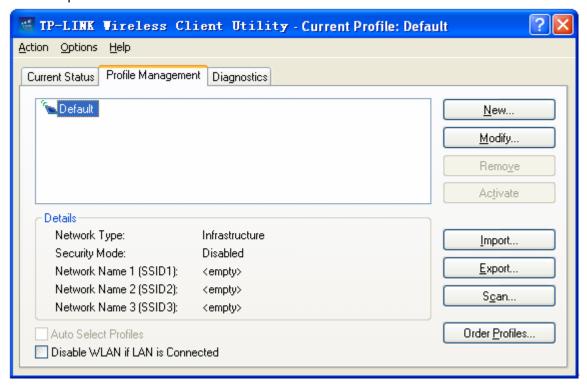


Figure 3-2

3.2.1 Add or Modify a Configuration Profile

To add a new configuration profile, click **New** on the Profile Management tab. To modify a configuration profile, select the configuration profile from the Profile list and click **Modify**.

The Profile Management dialog box will display a screen similar to that shown in Figure 3-3.

- 1. Edit the General tab
- Profile Name Identifies the configuration profile. This name must be unique. Profile names are not case-sensitive.
- > Client Name Identifies the client machine.
- Network Names (SSIDs) The IEEE 802.11 wireless network name. This field has a maximum limit of 32 characters.

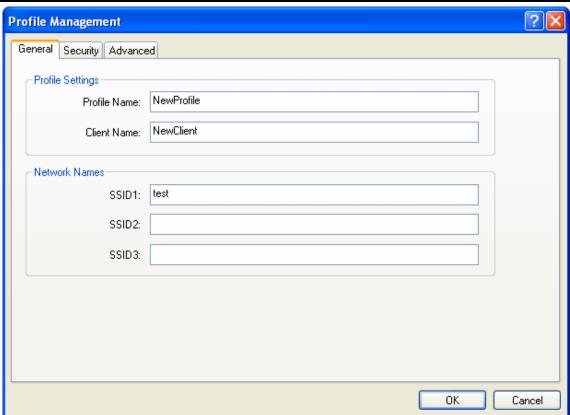


Figure 3-3

2. Edit the Security tab

Edit the fields in the Security tab of Profile Management to configure the profile. To define the security mode, select the radio button of the desired security mode as follows.

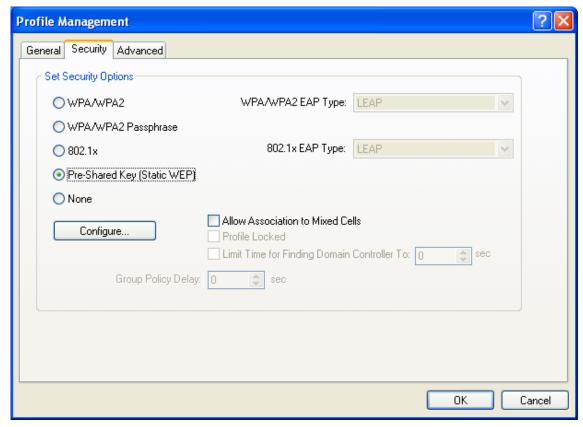


Figure 3-4

- WPA/WPA2: Wi-Fi Protected Access.
- > WPA/WPA2 Passphrase: Wi-Fi Protected Access Passphrase.
- > **802.1x**: Enables 802.1x security.
- ➤ Pre-Shared Key (Static WEP): Enables the use of shared keys that are defined on both the access point and the station. To define shared encryption keys, choose the Shared Key radio button and click **Configure** to fill in the Define Shared Keys window.
- > None: No security (Not recommended).

Note:

If the access point, which is associated to the wireless adapter, has WEP set to be Optional and the client set WEP enabled, make sure that Allow Association to Mixed Cells is checked on the Security Tab to allow association. To complete WEP encryption configuration, you must select the 802.11 Authentication Mode as appropriate on the **Advanced** tab of this **Profile Management** dialog.

To configure the Encryption Keys under the Pre-Shared keys (Static WEP) Security mode:

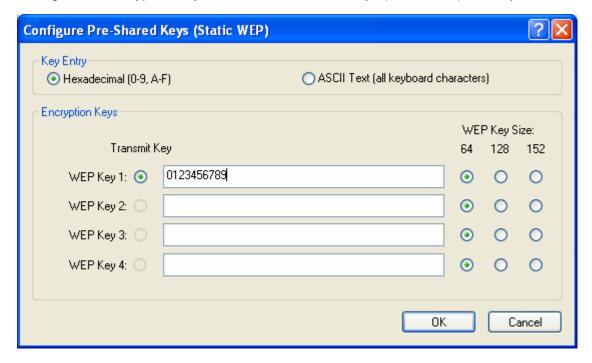


Figure 3-5

3. Edit the Advanced tab.

This screen below allows you make advanced configuration for the profile.

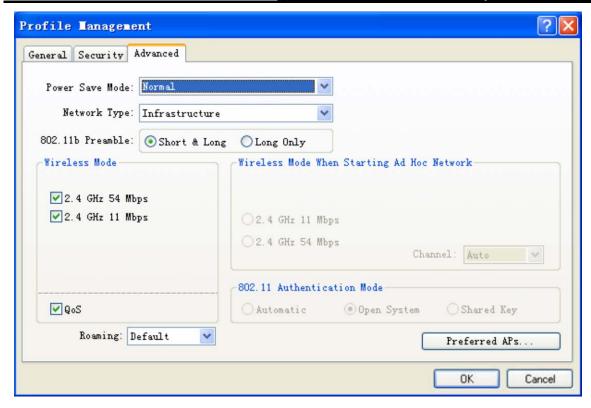


Figure 3-6

Power Save Mode -

- Maximum Selects maximum mode to let the access point buffer incoming messages for the wireless adapter. The adapter will detect the access point if any messages are waiting periodically.
- Normal Normal uses maximum when retrieving a large number of packets, then switches back to power save mode after retrieving the packets.
- Off Turns power saving off, thus powering up the wireless adapter continuously for a short message response time.
- 802.11b Preamble: Specifies the preamble setting in 802.11b. The default setting is Short & Long (access point mode), which allows both short and long headers in the 802.11b frames. The adapter can only use short radio headers if the access point supports and uses them. Set to Long Only to override allowing short frames.
- ➤ Wireless Mode: Specifies 2.4 GHz 54 Mbps or 2.4 GHz 11 Mbps operation in an access point network. The wireless adapter must match the wireless mode of the access point with which it associates.
- ▶ QoS: Select this option, the adapter will provide Quality of Service for the wireless connection.
- ➤ Wireless Mode when Starting an Ad Hoc Network: Specifies 2.4 GHz 54/11 Mbps to start an Ad Hoc network if no matching network name is found after scanning all available modes. This mode also allows the selection of the channel the wireless adapter uses. The channels available depend on the regulatory domain. If the adapter finds no other ad hoc adapters, the channel that the adapter starts the ad hoc network with will be selected

automatically. The wireless adapter must match the wireless mode and channel of the clients it associates.

- > **802.11 Authentication Mode**: Select which mode the wireless adapter uses to authenticate to an access point:
 - Automatic causes the adapter to attempt authentication using shared, but switches it to open authentication if shared fails.
 - Open System enables an adapter to attempt authentication regardless of its WEP settings. It will only associate with the access point if the WEP keys on both the adapter and the access point match.
 - Shared-key only allows the adapter to associate with access points that have the same WEP key.

For infrastructure (access point) networks, click **Preferred APs...** to specify up to four access points to the client adapter that attempts to be associated to the access points. The four access points have different priorities; the frontal has the higher priority.

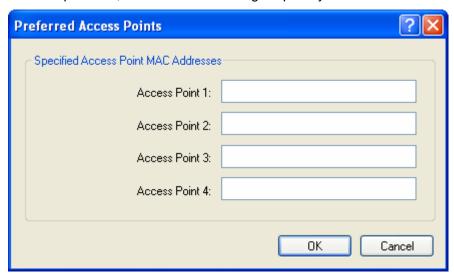


Figure 3-7

3.2.2 Remove a profile

- 1. Go to the Profile Management tab.
- 2. Select the profile name to remove in the Profiles List.
- 3. Click Remove.

3.2.3 Switch another Profile

- 1. Go to the Profile Management tab.
- 2. Click on the profile name in the Profiles List.
- 3. Click Activate.

3.2.4 Export a Profile

- 1. From the Profile Management tab, highlight the profile to export.
- 2. Click **Export...**, the Export Profile window will then appear.
- 3. Browse the directory to export the profile.

Click **Save**. The profile should then be exported to the specified location.

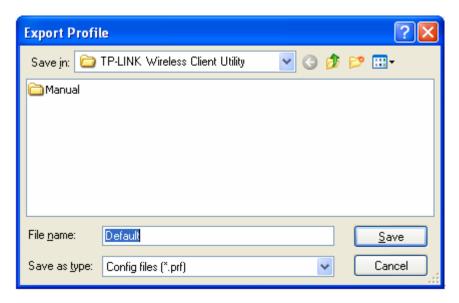


Figure 3-8

Import a Profile 3.2.5

- 1. From the Profile Management tab, click **Import**.... The Import Profile will then appear.
- 2. Browse to the directory where the profile is located.
- 3. Highlight the profile name.
- Click **Open**, the imported profile will then appear in the Profiles List. 4.

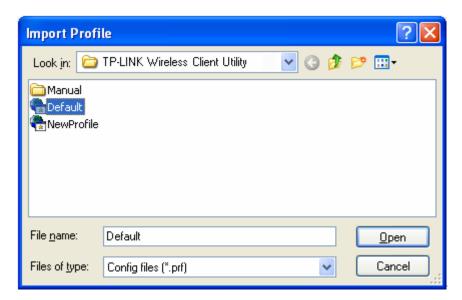


Figure 3-9

3.2.6 Scan Available Networks

- 1. Click Scan on the Profile Management, the Available Infrastructure and Ad Hoc networks window will appear.
- Click **Refresh** to refresh the list at any time. 2.
- 3. Highlight a network name and click Activate to connect an available network. If no

configuration profile exists for that network, the Profile Management window will open the **General** tab. Fill in the Profile name and click **OK** to create the configuration profile for that network.

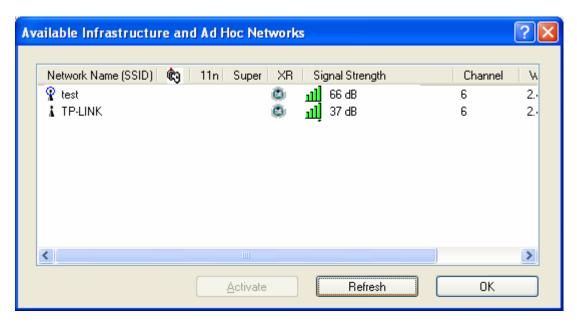


Figure 3-10

3.2.7 Auto Profile Selection Management

The auto selection feature allows the wireless adapter to automatically select a profile from the list of profiles and use it to connect to the network. To add a new profile into the Auto Selected Profiles list, please follow these steps.

- 1. On the Profile Management tab, click Order Profiles....
- 2. The Auto Profiles Selection management window will appear, with a list of all created profiles in the Available Profiles box.
- Highlight the profiles to add to auto profile selection, and click Add. The profile will appear in the Auto Selected Profiles box.
- 4. Highlight a profile in the Auto Selected Profiles box.
- 5. Click **Move Up** or **Move Down** as appropriate.

Note:

The first profile in the Auto Selected Profiles box has highest priority, and the last profile has lowest priority.

- 6. Click OK.
- 7. Check the Auto Select Profiles checkbox on the Profile Management tab.

Note:

When auto profile selection is enabled by checking **Auto Select Profiles** on the **Profile Management** tab, the client adapter will scan for an available network. The profile with the highest priority and the same SSID as one of the found networks will be used to connect to the network. If the connection fails, the client adapter will try the next highest priority profile that

matches the SSID until an available network is found.

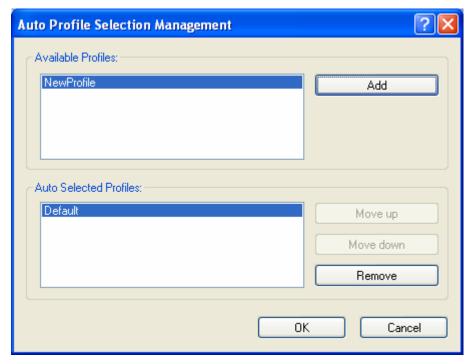


Figure 3-11

3.3 Diagnostics

The **Diagnostics** tab of the TP-LINK Wireless Client Utility (TWCU) provides buttons used to retrieve receiving and transmitting statistics. The Diagnostics tab does not require any configuration.

The Diagnostics tab lists the following receiving and transmitting diagnostics for frames received or transmitted by the wireless network adapter.

- > Multicast frames transmitted and received
- > Broadcast frames transmitted and received
- Unicast frames transmitted and received
- > Total bytes transmitted and received

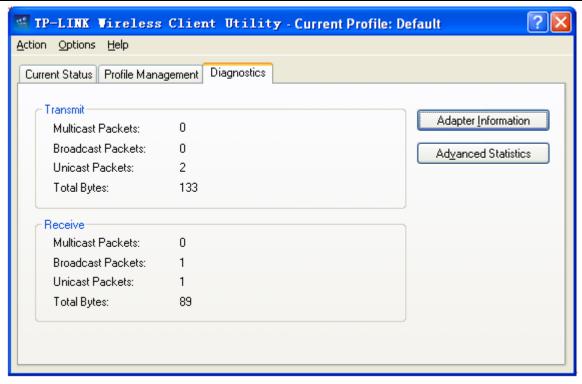


Figure 3-12

Check Driver Information 3.3.1

The Adapter Information contains general information about the wireless network adapter and the Network Driver Interface Specification (NDIS) driver. Access the adapter information from the Diagnostics tab.

- Card Name The name of the wireless network adapter.
- **MAC Address -** The MAC address of the wireless network adapter.
- **Driver -** The driver name and path of the wireless network adapter driver.
- > **Driver Version -** The version of the wireless network adapter driver.
- **Driver Date -** The creation date of the wireless network adapter driver.
- Client Name The name of the client computer.

3.3.2 Check Receiving and Transmitting Statistical Information

The Advanced Statistics shows (in Figure 3-13) receiving and transmitting statistical information for the following receiving and transmitting diagnostics for frames received by or transmitted to the wireless network adapter.

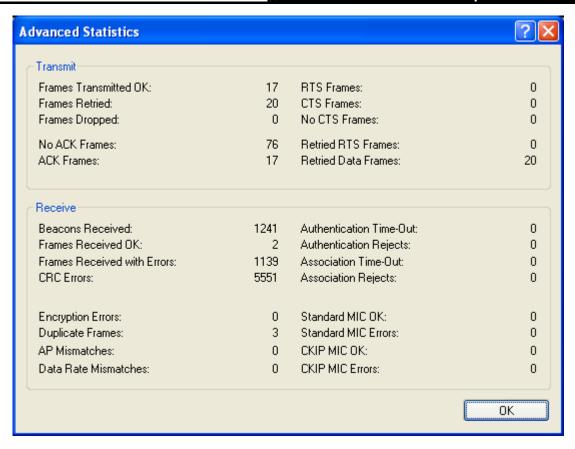


Figure 3-13

Chapter4 Configuration for Windows Vista

After the Adapter's driver has been installed, Windows Vista will display a wireless Network Connection message like this one.



Figure 4-1

Icon means the connection has been established. Icon means there is no connection.

If the icon does not appear, please follow the steps below.

1. Right-click the icon in your system tray, then click **Connect to a network**.

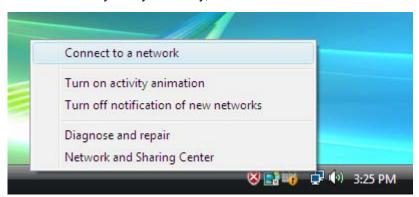


Figure 4-2

2. The following screen will show you available wireless networks. Highlight the one you want to join, and then click **Connect**.



Figure 4-3

3. To continue, click **Connect Anyway**. Click the **Cancel** button to end the connection.

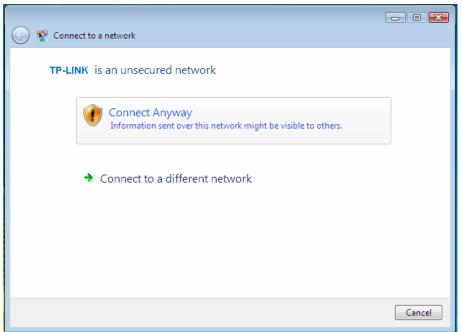


Figure 4-4

4. If the connection is successful established, the following screen will appear, click **close** to finish the connection.

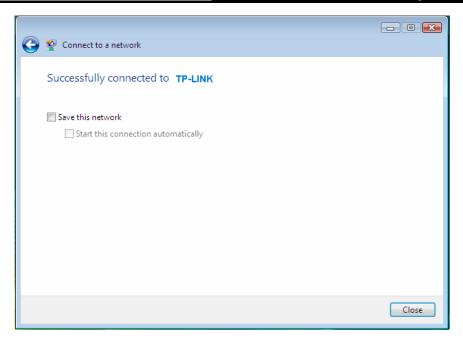


Figure 4-5

Note:

If the icon still does not appear, the driver may be installed incorrectly or the adapter is unplugged, please try again.

Appendix A: Specifications

Normal		
Interface	32-bit Mini PCI	
Standards	IEEE 802.11b; IEEE 802.11g	
Operating System	Windows 2000, XP86, Vista32, Vista64	
Transmission Distance	Indoor up to 100m, outdoor up to 300m (Standard transmission	
Transmission distance	distance, it is limited to the environment).	
Radio Data Rate	54/48/36/24/18/12/9/6Mbps or 11/5.5/2/1Mbps	
Radio Data Rate	(Auto Rate Sensing)	
Modulation	1M DBPSK; 2M DQPSK; 5.5M, 11M CCK; 6M, 9M, 12M, 18M,	
Widduation	24M, 36M, 48M, 54M OFDM;	
Media Access Protocol	CSMA/CA with ACK	
Data Security	WPA/WPA2; 64/128/152-bit WEP; TKIP/AES	
Frequency	2.4 ~ 2.4835GHz	
Spread Spectrum	Direct Sequence Spread Spectrum (DSSS)	
Safety & Emissions	FCC, CE	

Environmental and Physical		
Operating Temp.	0°C~40°C (32°F~104°F)	
Storage Temp.	-40℃~70℃ (-40°F~158°F)	
Humidity	10% ~ 95% RH, Non-condensing	

Appendix B: Glossary

- > 802.11b The 802.11b standard specifies a wireless product networking at 11 Mbps using direct-sequence spread-spectrum (DSSS) technology and operating in the unlicensed radio spectrum at 2.4GHz, and WEP encryption for security. 802.11b networks are also referred to as Wi-Fi networks.
- ➤ **802.11g** Specification for wireless networking at 54 Mbps using direct-sequence spread-spectrum (DSSS) technology, using OFDM modulation and operating in the unlicensed radio spectrum at 2.4GHz, and backward compatibility with IEEE 802.11b devices, and WEP encryption for security.
- Ad-hoc Network An ad-hoc network is a group of computers, each with a wireless adapter, connected as an independent 802.11 wireless LAN. Ad-hoc wireless computers operate on a peer-to-peer basis, communicating directly with each other without the use of an access point. Ad-hoc mode is also referred to as an Independent Basic Service Set (IBSS) or as peer-to-peer mode, and is useful at a departmental scale or SOHO operation.
- DSSS (Direct-Sequence Spread Spectrum) DSSS generates a redundant bit pattern for all data transmitted. This bit pattern is called a chip (or chipping code). Even if one or more bits in the chip are damaged during transmission, statistical techniques embedded in the receiver can recover the original data without the need of retransmission. To an unintended receiver, DSSS appears as low power wideband noise and is rejected (ignored) by most narrowband receivers. However, to an intended receiver (i.e. another wireless LAN endpoint), the DSSS signal is recognized as the only valid signal, and interference is inherently rejected (ignored).
- FHSS (Frequency Hopping Spread Spectrum) FHSS continuously changes (hops) the carrier frequency of a conventional carrier several times per second according to a pseudo-random set of channels. Because a fixed frequency is not used, and only the transmitter and receiver know the hop patterns, interception of FHSS is extremely difficult.
- Infrastructure Network An infrastructure network is a group of computers or other devices, each with a wireless adapter, connected as an 802.11 wireless LAN. In infrastructure mode, the wireless devices communicate with each other and to a wired network by first going through an access point. An infrastructure wireless network connected to a wired network is referred to as a Basic Service Set (BSS). A set of two or more BSS in a single network is referred to as an Extended Service Set (ESS). Infrastructure mode is useful at a corporation scale, or when it is necessary to connect the wired and wireless networks.
- > Spread Spectrum Spread Spectrum technology is a wideband radio frequency technique developed by the military for use in reliable, secure, mission-critical communications systems. It is designed to trade off bandwidth efficiency for reliability, integrity, and security. In other words, more bandwidth is consumed than in the case of narrowband transmission, but the

trade off produces a signal that is, in effect, louder and thus easier to detect, provided that the receiver knows the parameters of the spread-spectrum signal being broadcast. If a receiver is not tuned to the right frequency, a spread-spectrum signal looks like background noise. There are two main alternatives, Direct Sequence Spread Spectrum (DSSS) and Frequency Hopping Spread Spectrum (FHSS).

- > SSID A Service Set Identification is a thirty-two character (maximum) alphanumeric key identifying a wireless local area network. For the wireless devices in a network to communicate with each other, all devices must be configured with the same SSID. This is typically the configuration parameter for a wireless PC card. It corresponds to the ESSID in the wireless Access Point and to the wireless network name.
- ➤ **WEP** (Wired Equivalent Privacy) A data privacy mechanism based on a 64-bit or 128-bit or 152-bit shared key algorithm, as described in the IEEE 802.11 standard.
- ➤ Wi-Fi A trade name for the 802.11b wireless networking standard, given by the Wireless Ethernet Compatibility Alliance (WECA, see http://www.wi-fi.net), an industry standards group promoting interoperability among 802.11b devices.
- ➤ WLAN (Wireless Local Area Network) A group of computers and associated devices communicate with each other wirelessly, which network serving users are limited in a local area.
- > WPA (Wi-Fi Protected Access) A wireless security protocol use TKIP (Temporal Key Integrity Protocol) encryption, which can be used in conjunction with a RADIUS server.