Before you proceed with the installation, please notice the following descriptions.

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

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



Note 3: Double Click the RTL8187B CD-ROM and click Setup.exe setup.exe to begin installation

1. Installation

1. If you insert the Wireless LAN USB Adaptor into your computer USB port after ``installing the software program from the CD, then the following window pops up.

2. Click Cancel.



- 3. Choose a set up language.
- 4. Click Next to process the installation. .

	REALTEK USB Wireless LAN Driver and Utility - InstallShield Wizard	_ 🗆 🗙
1	選擇安裝語言	Calina De Calina
!	從下列選項中選擇安裝語言。	- Aller
ļ		
	() 波蘭語 () 法語 (加全大)	
!	法語 (標準)	
1	(1) (分) (1) (1) (1) (1) (1) (1) (1) (1) (1) (1	
1	は、「」」(
1	挪威語	
	· · · · · · · · · · · · · · · · · · ·	
ł	(二) 荷蘭語 (斯)这次尼西語	
:	斯洛伐克語	
:	朝鮮語 実爾維西☆ (斯拉夫)	-
:	InstallShield	
	< <u>上</u> 一步(B) 下一步(N) >	取消



6. Click install to WLAN USB adaptor installation.

REALTEK USB Wireless LAN Driver and	Utility 🛛 🗙
REALTEK USB Wireless LAN Driver and	I Utility
Click Install to begin the installation.	
If you want to review or change any of your in the wizard.	stallation settings, click Back. Click Cancel to exit
InstallShield	< <u>B</u> ack Install Cancel

7. On Windows Logo Software Installation screen, click **Continue Anyway** to continue.

Note: Not all the drivers will have this message box.



8. Click **Finish** to complete the installation.

Wireless LAN Driver and Utility			
	InstallShield Wizard Complete Setup has finished installing Wireless LAN Driver and Ultility on your computer.		
	Cancel		

9. After setup, restart your computer

Restarting Windows
Setup has finished copying files to your computer. Before you can use the program, you must restart your computer.
Choose one of the following options and click OK to finish setup.
Yes, I want to restart my computer now.
C No, I will restart my computer later.
OK

2. Uninstallation

A. 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.



- B. Click "OK" if you want to remove Wireless LAN USB Adaptor Driver .
- C. Click "Finish" to complete the uninstallation.

Wireless Network Driv	er and Utility
	Maintenance Complete InstalShield Wizard has finished performing maintenance operations on Realtek RTL8187 Wiseless Network Driver and Ubity.
	(Back Finish Cancel

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)

1. Double click the $\overrightarrow{\mathbb{P}^{(n)}}$ icon on your desktop to start the utility or $\overrightarrow{\mathbb{P}^{(n)}}$ in the task bar. REALTEK USB Wireless LAN Utility _ 🗆 🗙 ${\sf Refresh}(\underline{R}) \quad {\sf Set} \ {\sf Wizard}(\underline{S}) \quad {\sf Mode}(\underline{M}) \quad {\sf View}(\underline{V}) \quad {\sf About}(\underline{A})$ 🖃 💡 MyComputer General Profile | Available Network | Advanced | Status | Statistics | Wi-Fi Protect Setup | Realtek RTL8187B Throughput: Status: Associated Speed: 48 Mbps Type: Infrastructure Encryption: None Tx:0.00%,Total:0.00% SSID: TP-LINK Signal Strength: 52% Link Quality: 68% Network Address: Mac Address: 00:E0:40:00:00:32 IP Address: 192.168.1.24 Subnet Mask: 255.255.255.0 Gateway: 192.168.1.1 ReNew IP

Ad-Hoc Mode

Show Tray Icon

🔲 Radio Off

Ready

Þ

An Ad-Hoc mode wireless network connects two computers directly without the use of a router or AP. It is also know 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.

🔲 Disable Adapter

Close

NUM



Ad-Hoc Mode

To use this adapter in Ad-Hoc Mode

- 1. Double click the icon on your desktop to start the utility or in the task bar.
- 2. Click the **"Available Network"** button to scan available wireless network adapters. Double click on the network adapter that you are going to connect to.

Gene	eral Profile	Available Ne	twork Advance	ced Status	Statistics Wi-Fi Protect Set	tup
A۷	ailable Netw	ork(s)				
	SSID		Channel	Encryption	Network Authentication	on
	TP-LINK		6	None	Unknown	
	PBeech	_	11	WEP	Unknown	
	T"RF-Tag-C		11	WEP	Unknown	
	4					►
				1		
		Refre	esh	·	Add to Profile	
	Note					
	Double cli	ck on item t	o join/create	profile.		
				·		

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

	e e e e
Wireless Network Properties:	
Profile Name: TP-LINK	
Network Name(SSID): TP-LINK	
This is a computer-to-computer(ad hoc) network; access points are not used.	wireless
Channel: 6 (2437MHz)	802.1× configure EAP TYPE :
Wireless network security	GTC
This network requires a key for the following:	- Force
Network Authentication: Open Sur	tom Tunnel:
Network Addrendcadon, jopen by:	
Data encryption: Disabled	Username :
🗖 ASCII 🗖 PASSPHRASE	
	Identity :
Key index (advanced):	
Network key:	Password :
Confirm network key:	Certificate :

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"**.

Wireless Network Properties:	×
Profile Name: TP-LINK Network Name(SSID): TP-LINK	
Image: Second state of the second s	802.1x configure EAP TYPE : GTC Tunnel : Username :
ASCII PASSPHRASE	Identity : Password : Certificate :

Infrastructure mode

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.



Infrastructure Mode

To use this adapter in Infrastructure Mode:

- 1. Double click the icon on your desktop to start the utility or in the task bar.
- 2. Click the **"Available Network"** button to scan available access points. Double click on the AP that you are going to connect to.

Gene	ral Profile	Available Ne	twork Advan	ced Status	Statistics 🛛 Wi-Fi Protect Set	աթ
Av	ailable Netwo	ork(s)				
	SSID		Channel	Encryption	Network Authenticatio	n
	PTP-LINK		6	None	Unknown	
	🔊 Beech		11	WEP	Unknown	
	₽ RF-Tag-C		11	WEP	Unknown	
	4					•
1				_,		
		Refre	esh	4	Add to Profile	
[-Note			0		
	Double clic	:k on item t	o join/create	profile.		
L						

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



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

Wireless Network Properties:	×
Profile Name: TP-LINK	
Network Name(SSID): TP-LINK	
☐ This is a computer-to-computer(ad hoc) network; wireless access points are not used.	
Channel: 6 (2437MHz)	802.1x configure EAP TYPE :
Wireless network security	GTC
This network requires a key for the following:	Tuppel :
Network Authentication: Open System 💌	
Data encryption: Disabled	Username :
🗖 ASCII 🗖 PASSPHRASE	
	Identity :
Key index (advanced):	
Network key:	Password :
Confirm network key:	Certificate :

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 be corresponding 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.

Introduction to the Wireless LAN Utility

Note: This management instruction uses Windows XP as the presumed operation system. Some functions are not supported in Windows 98se or Windows ME.

Starting the Wireless LAN Utility

Show Tray Icon	🗖 Disable Adapter	Close
🔲 Radio Off		
Ready		NUM

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

Show Tray Icon	Check this checkbox to show the utility icon on your system 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 AdapterCheck this checkbox to disable this wireless adaUncheck 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.

General Profile Avail	able Network A	dvanced Stati	us Statistics Wi-I	Fi Protect Setup
Status:	Associated		Throughput:	
Speed:	11 Mbps			
Type:	Infrastructure			
Encryption:	None		Tx:0.02%,Total:0	0.10%
SSID:	TP-LINK		ŕ	
Signal Strength:				58%
Link Quality:				66%
Network Address: -				
	Mac Address:	00:E0:4C:00):0C:32	
	IP Address:	192.168.1.2	24	
	Subnet Mask:	255.255.25	5.0	
	Gateway:	192.168.1.3	L	
	. Re	New IP		

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.



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 Network

This available tab lists the reachable wireless network of this adapter.

General Profile Available Network Advanced Status Statistics Wi-Fi Protect S	etup
SSID Channel Encryption Network Authenticat	tion
ARG-TEST 1 None Unknown	
TP-LINK 6 None Unknown	
	F
Refresh Add to Profile	
Double click on item to join/create profile.	
	J

Refresh	Click this button to rescan available networks around the adapter.
Add to Profile	To add an available Network to your profile list, select an available network and click this button to add.

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.

General Profile Available Network Advanced Status Statistic	s Wi-Fi Protect Setup
Power Save Fragment None Min Min Max	Threshold: 2346
RTS	Threshold: 2347
Wireless Mode: 0	
Preamble Mode:	
Auto 💌	
Channel Plan:	
FCC	
PSP XLink Mode	
🔲 XLink Enable	
WMM Parameter QoS Enable Power Save (APSD) Enable	
Set Defaults A	pply

Power Save			
None	Disable Power saving function.		
Min	Minimum power consumption		
Мах	Maximum power consumption		
Fragment Th	nreshold		
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 RT	S Threshold form 0 to 2432(default)		
Wireless Mode			
802.11g/b	Connect to a 802.11b/g network (2.4GHz/54Mbps)		
802.11b	B02.11b Connect to a 802.11b network (2.4GHz/11Mbps)		
802.11b Preamble Mode			
Select the preamble mode to be long, short or auto detection mode.			
Channel Plai	n		

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 using the PS2 or X-box for wireless connection WMM Parameter Quality of Service for better streaming bandwidth control

Status

This tab shows the current connection status of this adapter.

General Profile Avai	ilable Network 🛛 Advə	unced Status	Statistics	Wi-Fi Protect Setup	
Manufacturer NDIS Driver Version Short Radio Header Encryption Authenticate Channel Set MAC Address Data Rate (AUTO) Channel (Frequenc	= Re = 5.: r = Ye = Dis = Op = FC = 00 = 11 :y) = 6 i	altek 1097.718.200 sabled oen C I:E0:4C:00:0C: . Mbps (2437 MHz)	7 32		
Status SSID Network Type Power Save Mode Associated AP MAC Up Time (hh:mm:s	= As = TF = Int = Nc : = 00 s) = 0:(sociated P-LINK frastructure one 1:19:E0:A5:A2: D0:16	DC		

Statistics

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

🔍 REALTEK USB Wireless LAN Utility 📃 🗖 🛛			
Refresh(<u>R</u>) Set Wizard(<u>S</u>) Mod	e(<u>M</u>) View(<u>V</u>) About(<u>A</u>)		
⊡ 🦞 MyComputer 	General Profile Available Network Advanced Status	Statistics Wi-Fi Protect Setup	
	Counter Name	Value	
	Tx OK	43	
	Tx Error	0	
	Rx OK	21	
	Rx Packet Count	21	
	RX Retry	4	
		0	
		Reset	
🔽 Show Tray Icon	🗖 Disable Adapter	Close	
🗖 Radio Off			

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.

🕂 REALTEK USB Wireless I	AN Utility	_ 🗆 🗡
Refresh(<u>R</u>) Set Wizard(<u>S</u>) Mod	le(M) View(V) About(A)	
⊡	General Advanced Statistics ICS SSID: Sean-PC_AP BSSID: 00:E0:4C:00:0C:32	
	Config	
	Association Table	
	AID Mac Address Life Time	
▲		
Show Tray Icon	🗖 Disable Adapter	Close
🗖 Radio Off		
Ready		NUM

Advanced

Beacon Interval:	Define the interval between beacons from 20~1000
DTIM Period:	Set the DTIM period between 1~255
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.

🥐 REALTEK USB Wireless LAN Utility 📃 🗖 🔀			
Refresh(<u>R</u>) Set Wizard(<u>S</u>) Mo	le(M) View(V) About(A)		
⊡	General Advanced Statistics ICS General:		
	Beacon Interval:		
	100		
	DTIM Period:		
	1		
	Preamble Mode:		
	Short		
	Cos Enable Cower Save (APSD) Enable		
	Set Defaults Apply		
۱			
Show Tray Icon	Disable Adapter Close		
🔲 Radio Off			
Ready	NUM		

Statistics

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

🤗 REALTEK USB Wireless LAN Utility 📃 🗆 🗙						
Refresh(<u>R</u>) Set Wizard (S) Mod	e(<u>M</u>) View	(V) About(A)				
	General /	Advanced Statistics ICS				
Keanek KILSIS/B V						
		Counter Name	Value			
		Tx OK	2091			
		Tx Error	0			
		Rx OK	28			
		Rx Packet Count	28			
		RX Retry	1			
			U			
		I				
			Reset			
•						
Show Tray Icon		🗖 Disable Adapter		Close		
🗖 Radio Off						
Ready				NUM		

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.

REALTEK USB Wireless LAN Utility				
Refresh(<u>R</u>) Set Wizard(<u>S</u>) Mod	le(<u>M</u>) View(<u>V</u>) About(<u>A</u>)			
- WyComputer	General Advanced Statistics ICS			
Realtek RTL8187B V	Catting Internat Connaction Charing (ICC)			
	Second Internet Connection Shaning (ICS)			
	ConnName Device Name			
	*** 無線網路連線 4 Ralink Wireless LAN Card V2 「正体活体 2 Intel(P) PPO(100)/E Notwork Connection			
	Public Network			
	區域連線 2 Intel(R) PRO/100 VE Network Connection			
	Apply			
Show Tray Icon	Disable Adapter Close			
🗖 Radio Off				
Ready	NUM			

Federal Communication Commission Interference 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 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, and (2) this device must accept any interference received, including interference that may cause undesired operation.

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

IMPORTANT NOTE:

FCC Radiation Exposure Statement:

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.

This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.