

802.11b+g Wireless USB Adapter

User's Manual

www.unicomlink.com

pn: WEP-45020G

UNIDOC111904

REGULATORY STATEMENTS

FCC Certification

The United States Federal Communication Commission (FCC) and the Canadian Department of Communications have established certain rules governing the use of electronic equipment.

Part15, Class B

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

- 1) This device may not cause harmful interface, and
- 2) This device must accept any interface received, including interface that may cause undesired operation. 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 off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

DReorient or relocate the receiving antenna.

Increase the distance between the equipment and receiver.

• Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

CAUTION:

- To comply with FCC RF exposure compliance requirements, a separation distance of at least 20 cm must be maintained between the antenna of this device and all persons.
- 2) This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

Table of Contents

INTRODUCTION	1
Features	1
SOFTWARE INSTALLATION	2
STEP 1: INSTALL THE DRIVER & UTILITY	2
HARDWARE INSTALLATION	5
WINDOWS 2000/XP	5
Windows 98/ME	6
NETWORK CONNECTION	8
In Windows 98SE/ME	8
IN WINDOWS 2000/XP	11
IP Address	13
Configuration Utility	14
STATION	
Access Point	24
Appendix	
SOFT AP CONFIGURATION	

INTRODUCTION

The **802.11b+g Wireless LAN USB Adapter** is designed for a USB type A port of a laptop or desktop computer for creating a wireless workstation. It is USB 2.0 compliant which connects to any available USB port on a notebook or desktop computer.

The **802.11b+g Wireless LAN USB Adapter** complies with **IEEE 802.11g** standard that offers a data rate up to **54Mbps** in a wireless LAN environment. It is backward compliant with IEEE 802.11b specification. The high-speed wireless network card can plug into your notebook or desktop PC and accesses to the LAN or peer-to-peer networking easily without wires or cables. Whether you're at your desk or in the boardroom, it allows you to share printers, files, and other network resources.

Features

- > Complies with IEEE 802.11g standard for 2.4GHz Wireless LAN
- USB 2.0 compliant
- > USB Plug & Play
- > Interoperable with existing network infrastructure
- Secure information transmission
- > Freedom to roam while staying connected
- > Compatible with specialty wireless products and services
- > Up to 54 Mbps data rate
- > Antenna is built in the card with LED indication
- Low power consumption
- Easy to install and configure

SOFTWARE INSTALLATION

Step 1: Install the Driver & Utility

For Windows 98, 2000, ME and XP users

Caution!

Do not insert the wireless LAN adapter into your computer until the procedures in "Install the Driver& Utility" have been performed.



- 1. Exit all Windows programs. Insert the included CD-ROM into your computer. The CD-ROM will run automatically.
- When the Main Menu screen appears, click " Driver & Utility Installation" to continue.



3. When the Welcome screen appears, click Next to continue.



4. The installation program will start running automatically. Follow the on-screen instruction to proceed.

802.11b+g USB Wireless LAN Adapter	×
Choose Destination Location Select folder where Setup will install files.	
Setup will install 802.11b+g USB Wireless LAN Adapter in the following folder.	
To install to this folder, click Next. To install to a different folder, click θrowse and select another folder.	
Destination Folder	
C:\Program Files\WLAN\802.11b+g USB WLAN Browse	
InstaliShield	_

5. Click **Finish** to complete the software installation.



HARDWARE INSTALLATION

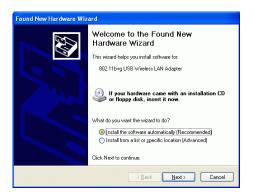
Windows 2000/XP

Note: Before you install the device to your computer, make sure you have installed the **driver** and **utility** as described in the previous section.

Windows XP

- 1. Locate your USB host and insert the USB Adapter.
- 2. Once the device has been inserted to your computer, Windows will detect the new hardware.
- 3. When the following screen appears, select **Install the software automatically** (Recommended).





4. Click Continue Anyway → Finish to complete the hardware installation.



Windows 2000

Insert the USB adapter into the USB port of your computer and then click Yes to

complete the hardware installation.



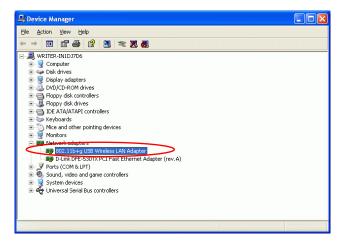
Windows 98/ME

In Window 98/ME, you only have to insert the USB adapter into the USB port of

your computer to complete the hardware installation.

Verify

To verify if the device exists in your computer and is enabled, go to Start \rightarrow Settings \rightarrow Control Panel \rightarrow System (\rightarrow Hardware) \rightarrow Device Manager. Expand the Network Adapters category. If the 802.11b+g USB Wireless LAN Adapter is listed here, it means that your device is properly installed and enabled.



NETWORK CONNECTION

Once the device driver is well installed, a network setting described in the following should be also established.

In Windows 98SE/ME

- 1. Go to Start \rightarrow Settings \rightarrow Control Panel \rightarrow Network.
- 2. Make sure that all the required components are installed. If any components are missing, click on the **Add** button to add them in.

letwork	? X
Configuration Identification Access Control	
The following getwork components are installed:	
Client for Microsoft Networks	
Microsoft Family Logon	
BO2.11b+g USB Wireless LAN Adapter	
Dial-Up Adapter TCP/IP -> 002.11b+g USB Wireless LAN Adapter	
3 TCP/IP -> Dial-Up Adapter	
	- 1
Add Remove Properties	- 1
I Goor Libbenes	
Primary Network Logon:	
Microsoft Family Logon	•
Elle and Print Sharing	
Description	
ок. [са	ncel



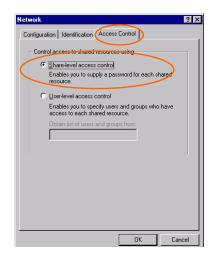
3. For making your computer visible on the network, enable the File and Print Sharing.

	ient for Microsoft Networks
	ial-Up Adapter ealtek RTL8139(A)-based PCI Fast Ethernet Adapter
100	CP/IP > Dial-Up Adapter
	CP/IP -> Realtek RTL8139(A)-based PCI Fast Ethernet Ac
_	Add Remove Properties
-	y Network Logon:
Lien	for Microsoft Networks
E	e and Print Sharing
Dep	cription

4. Click the **Identification** tab. Make up a name that is unique from the other computers' names on the network. Type the name of your workgroup, which should be the same used by all of the other PCs on the network.

Network		? ×
Configuration Ident	itication Acress Control	
compute compute	s uses the following information to r on the network. Please type a r r, the workgroup it will appear in, on of the computer.	ame for this
Computer name:	Uane	
Workgroup:	WORKGROUP	
Computer Description:	Jane	
	0K.	Cancel

5. Click the Access Control tab. Make sure that "Share-level access control" is selected. If connecting to a Netware server, share level can be set to "User-level access control."



6. When finished, restart your computer to activate the new device.

In Windows 2000/XP

1. (In Windows 2000)

Go to Start \rightarrow Settings \rightarrow Control Panel \rightarrow Network and Dial-up Connections \rightarrow Local Area Connection \rightarrow Properties.

(In Windows XP)

Go to Start \rightarrow Control Panel \rightarrow Network and Internet Connections \rightarrow Network Connection \rightarrow Wireless Network Connection Enabled USB Wireless Network Adapter.



2. Make sure that all the required components are installed.

Connect using:		
802.11b+g	USB Wireless LAN Adapte	r
		Configure
Components chec	cked are used by this conne	action:
	Microsoft Networks	
	rinter Sharing for Microsoft	Networks
Internet P	rotocol (TCP/IP)	
	_	
Įnstall	Uninstall	Properties
Install	<u>U</u> ninstall	Properties
Description Allows your cor	Uninstall	
Description		
Description Allows your cor network.	mputer to access resources	
Description Allows your cor network.		

3. If any components are missing, click on the **Install...** button to select the **Client/Service/Protocol** required. After selecting the component you need, click **Add...** to add it in.

Select Network Component Type
Click the type of network component you want to install:
Elient Service Frotocol
A protocol is a language your computer uses to communicate with other computers.
Add Cancel

4. For making your computer visible on the network, make sure you have installed **File and Printer Sharing for Microsoft Networks**.

IP Address

Note: When assigning IP Addresses to the computers on the network, remember to have the IP address for each computer set on the same subnet mask. If your Broadband Router use DHCP technology, however, it won't be necessary for you to assign Static IP Address for your computer.

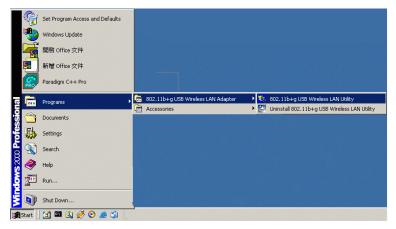
- 1. To configure a dynamic IP address (i.e. if your broadband Router has the DHCP technology), check the **Obtain an IP Address Automatically** option.
- To configure a fixed IP address (if you broadband Router is not DHCP supported, or when you need to assign a static IP address), check the Use the following IP address option. Then, enter an IP address into the empty field, for example, enter 192.168.1.1 in the IP address field, and 255.255.255.0 for the Subnet Mask.

Internet Protocol (TCP/IP) Properties	Internet Protocol (TCP/IP) Properties
General	General
You can get IP settings assigned automatically if your network supports this capability. Otherwise, you need to ask your network administrator for the appropriate IP settings.	You can get IP settings assigned automatically if your network supports this capability. Otherwise, you need to ask your network administrator for the appropriate IP settings.
Dtain an IP address automatically	O Obtain an IP address automatically
O Uge the following IP address:	Use the following IP address:
[P address:	IP address: 192.168.1.1
Sybnet mask:	Subnet mask: 255 . 255 . 255 . 0
Default gateway:	Default gateway:
Obtain DNS server address automatically	O Obtain DNS server address automatically
C Use the following DNS server addresses:	Use the following DNS server addresses:
Preferred DNS server:	Preferred DNS server:
Alternate DNS server:	Alternate DNS server:
Advanced	Advanced
OK Cancel	OK Cancel

Configuration Utility

After the Wireless adapter has been successfully installed, users can use the included Configuration Utility to set their preference.

Go to Start→ Program→802.11b+g Wireless LAN → 802.11b+g USB Wireless LAN Utility



For **Windows 2000/XP**, the Configuration Utility icon will also appear in the taskbar. You can open the Configuration Utility by clicking the icon.



Note: There will be two modes	- Station and Access Point for you to
₩ 802.11b+g USB Wireless LA	
Network Adapter: 802.11b+g USB Wirele	Mode: Station
Available Network:	Current Network Information Channel: 1 Type: Infrastructure SSID: WAP404-1
Refresh	Tx Rate: 11 Mbps Encrypt: None More Setting
Link Status: Connected t Signal Strength: Link Quality: Tx Frame: 32	o Access Point. BSSID=00 E0 98 11 22 33 49% 42% Rx Frame: 28

Station

Select **Station** mode, and you will see the following figure.

🧏 802.11b+g USB Wireless LAN	1 Utility	
Network Adapter:	Mo	de: Station
802.11b+g USB Wireles	s LAN Adapter	-
Available Network: SSID Strength	Current Network Infor	mation
	Channel: 6	
	Type: Infrastruc	ture
	SSID: Allen904	
	Tx Rate: 11 Mbps	
Refresh	Encrypt: None	More Setting
Link Status: Connected to	Access Point, BSSID=I	00 90 CC 12 12 99
Signal Strength:		78%
Link Quality:		70%
Tx Frame: 211	Rx Frame: 238	

Channel	Shows the selected channel that is currently in use. (There are 14 channels available, depending on the country.)
Туре	The infrastructure is intended for the connection between wireless network cards and an Access Point. With the wireless adapter, you can connect wireless LAN to a wired global network via an Access Point The Ad-hoc lets you set a small wireless workgroup easily and quickly. Equipped with the wireless adapter, you can share files and printers between each PC and laptop.
SSID	The SSID is the unique name shared among all points in your wireless network. The name must be identical for all devices and points attempting to connect to the same network. It shows the current SSID setting of the Wireless USB Adapter.

Tx Rate	Click the down arrow ▼ to select the Tx Rate from Auto, 1, 2, 5.5, 11, 6, 9, 12, 18, 24, 36, 48, 54 Mbps, you can select up to 54 Mbps.
Encrypt	WEP is a data privacy mechanism based on a 64-bit/128-bit shared key algorithm.
More Setting	Click the More Setting button to configure, see the following figure (Refer to the More Setting part on the next page for more information about this figure) :
Link Status	Displays the information about the status of the communication between the Wireless USB Adapter and the Access Point.
Signal Strength	Displays the signal strength of the connection between the Wireless USB Adapter and the Access Point it connects.
Link Quality	Displays the link quality of the connection between the Wireless USB Adapter and the Access Point it connects.

Tx Frame	The quantities for the wireless network card transmit.
1 x r rame	(Frame: The unit of packet)
DE	The quantities for the wireless network card receive.
Rx Frame	(Frame: The unit of packet)

More Setting...

etting 🛛				
General Connection Setting Channel Tx Rate Auto 👻				
SSID 🛛 🖓 any				
Network Type Infrastructure				
Encryption Disable				
Authentication Mode Auto				
Encryption Setting				
WEP Encryption Key Setting WPA Encryption Setting				
Profile Profile name:				
Load Save Current Delete				
Other				
For more advanced setting, information Advanced Setting Information				

Channel	The Channel will change automatically according to AP's setting.		
	Click the down arrow $\mathbf{\nabla}$ to select the Tx Rate from Auto, 1, 2,		
Tx Rate	5.5, 11, 6, 9, 12, 18, 24, 36, 48, 54 Mbps, you can select up to 54		
	Mbps.		
	The SSID is the unique name shared among all points in your		
SSID	wireless network. The name must be identical for all devices and		
	points attempting to connect to the same network.		
	You may select to have SSID by choosing any, the SSID will be		
A	obtained automatically from whichever Access Point with the		
Any	optimal signal for this device. If any is left unchecked, it means		
	you will have to enter the SSID manually.		

r				
Network Type	The infrastructure is intended for the connection between wireless network cards and an Access Point. With the wireless adapter, you can connect wireless LAN to a wired global network via an Access Point The Ad-hoc lets you set a small wireless workgroup easily and quickly. Equipped with the wireless adapter, you can share files and printers between each PC and laptop.			
Encryption	You can only set your Security preference when Change is selected and then all fields are active for change. To save settings, press Apply when you are done with the settings. Select from the pull-down menu, there are four options including Disable , WEP , TKIP and AES .			
Authentication Mode	You can select the Authentication Mode from the pull-down men, including Auto, Open System, Shared Key, WPA and WPA PSK.			
Encryption Setting	WEP Encryption Setting WPA Encryption Setting: Image: Setting Seting Seting Setting Setting Seting Setting Seting Seti			

Default Key ID : You can set your default key ID at #1~#4.			
Key Format : Select Hexadecimal if you are using hexadecimal			
numbers (0-9, or A-F).			
Select ASCII if you are using ASCII characters			
(case-sensitive).			
10 hexadecimal digits or 5 ASCII characters are needed if			
64-bit WEP is used; 26 hexadecimal digits or 13 ASCII			
characters are needed if 128-bitWEP is used ; 58 hexadecimal			
digits or 29 ASCII characters are needed if 256-bitWEP is			
used.			
Key Value:			
#1~#4 This setting is the configuration key used in accessing			
the wireless network via WEP encryption. You can specify up to			
4 different keys to <i>encrypt</i> or <i>decrypt</i> wireless data.			
☐ The Key is provided via 802.1x authentication :			
Please query your network manager about the currently used			
security protocol, if 802.1x authentication is currently used, then			
you can check this item to enable 802.1x security protocol. The			
key value will be configured automatically, just click Apply to			
take effect.			
WPA Encryption Setting			
Protocol: This panel enables you to select an authentication			
protocol.			
User Name : Type in the user name assigned to the certificate.			
Password : This panel is available when EAP-TLS is not selected			
(either MSCHAP V2 over PEAP is selected with WEP or LEAP			
is selected for CCX). This panel enables you to enter a login			
name and password or request that the driver prompt for them			
when you connect to a network.			
Passphrase : Enter the key that you are sharing with the network			
for the WLAN connection.			
Key Format : Select Hex if you are using hexadecimal numbers			
(0-9, or A-F).			
Select ASCII if you are using ASCII characters.			
SCICE ASCH IT YOU are using ASCH characters.			

	Certificate : Please query your network manager about the		
	certificate, select the same certificate as the certification server.		
Load	You may select already saved file from the "Profile name" list, and then press "Load " . The setting status will then be restored.		
Save Current	You may save current setting to profile and add one new item in "Profile name" .		
Delete	Delete the files in the "Profile name"		
Advanced Setting	Click the Advanced Setting button to configure the following figure (Refer to the Advanced Setting part on the next page to see more information about the Advanced Setting) : Marine (Refer to the Advanced Setting) : Marine Contribute Advanced Setting) : Marine Power Consumption Settine (CAM) Contribute Access Mode (CAM) Contribute Access Mode (CAM) Contribute Select Japan (Contribute Access Mode (CAM) Contribute Select Contribute Select Co		
Information	Click the Information button to show the Driver Version, Utility Version and MAC Address of the system.		

Advanced Setting

User Interface Language: English Gountry Roaming C World Mode User Select Japan	C East Power-Source Mode
Fragmentation Threshold	< 2346 (Disable) > 2346
	<pre></pre> < 2347 (Disable) > 2347

User Interface

Language	Select English or Traditional Chinese.

Power Consumption Setting

Canting and Assess Made	When this made is calcoted the newer supply will		
Continuous Access Mode	When this mode is selected, the power supply will		
(CAM)	be normally provided even when there is no		
	throughput.		
Maximum Power-Saving	When this mode is selected, this device will stay in		
Mode	power saving mode even when there is high volume		
	of throughput.		
Fast Power-Saving Mode	When this mode is selected, the power mode will		
_	switch between CAM and Maximum Power-Saving		
	Mode depending on the volume of throughput. The		
	device driver checks the total bytes (only data		
	frame) every 4 seconds to decide the power mode.		
	If the total bytes sent exceed 10k bytes, the device		
	driver will choose "CAM". If the total bytes are		
	less than 10k bytes, however, the device driver will		
	choose "Maximum Power-Saving Mode".		

Country Roaming

This function is only enabled and effective with 802.11d standard.	
Enable this function to select the country you are now locating.	

Engennentetion Through ald	The mechanism of Engennestation Thread ald is used		
Fragmentation Threshold	The mechanism of Fragmentation Threshold is used		
	to improve the efficiency when high traffic flows		
	along in the wireless network. If your 802. Wireless		
	LAN Adapter often transmit large files in wireless		
	network, you can enter new Fragment Threshold		
	value to split the packet. The value can be set		
	from 256 to 2346. The default value is 2346 .		
RTS/CTS Threshold			
	RTS/CTS Threshold is a mechanism implemented		
	to prevent the "Hidden Node" problem. If the		
	"Hidden Node" problem is an issue, users have to		
	specify the packet size. The RTS/CTS mechanism		
	will be activated if the data size exceeds the value		
	<u>vou set.</u> . The default value is 2347 .		
	This value should remain at its default setting of		
	2347 . Should you encounter inconsistent data		
	flow, only minor modifications of this value are		
	recommended.		

Access Point

To set your 802.11g Wireless LAN USB Adapter as an Access Point (AP). In access point mode, the 802.11g Wireless LAN USB Adapter will function as an access point. This allows you to set up your wireless networks without using a dedicated AP device. Up to 16 wireless stations can associate to the 802.11g Wireless LAN USB Adapter.

To the **802.11g Wireless LAN USB Adapter** to bridge your wired and wireless network, the following requirements must be met :

- 1. The **802.11g Wireless LAN USB Adapter** must be installed on a computer connected to the wired network.
- 2. Either configure network sharing (refer to the appendix for an example) or bridge the two interfaces (wireless and wired) on the computer.
- 3. Set the wireless station's IP address to be in the same subnet as the computer in which the **802.11g Wireless LAN USB Adapter** is installed. Refer to **Configuring the Wireless Station Computer**.

Select the Access Point mode, and you will see the following figure.

🥸 802.	11b+g USB Wireless L	N Utility		
Min.	Network Adapter:	Mod	(Access Point 💌
-92	802.11b+g USB Wirele	ess LAN Adapter		•
	ct Station List: on MAC Address	Current Network Settin Channel: 6 SSID: WLAN_AP WEP: Disable Tx Power: Level 0	ıg—	
			M	ore Setting
	Tx Frame: 38	Rx Frame: 29		

- 24 -

	We can actual the main of the state
Network Adapter	You can select the network adapter from the
	pull-down menu, it shows the device itself (the
	802.11g Wireless LAN USB Adapter) and also
	shows the devices supported by the 802.11g
	Wireless LAN USB Adapter.
Connection Station List	It shows the stations which are now connecting
	to the AP.
Channel	Shows the selected channel that is currently in
	use. (There are 14 channels available, depending
	on the country.)
SSID	The SSID is the unique name shared among all
	points in your wireless network. The name must
	be identical for all devices and points attempting
	to connect to the same network.
	It shows the current SSID setting of the
	Wireless USB Adapter.
WEP	The WEP function here has been disabled. If you
	want to change to Enabled, click More
	Setting to configure.
Tx Power	The Tx power here is configured as Level 0, to
	change the Tx power, click More Setting to
	configure.
Marca Gatting	Click the Mana Satting button and the
More Setting	Click the More Setting button and the following figure will appear for you to configure
	(Refer to the More Setting part on the next
	page for more information about this figure.)
	page for more mornarion about this figure.

	Access Plint Setting General Connection Setting Channel 6 Mode Mode SSD WLAM, AP SSD WLAM, AP Filde SSD Tx Power [Level 0 [Maximum Power] • Apply] WEP Disable Fragment Pragment Disable Presenble Long MAC Address Filter: Setting Didge Adapter: No bridge
Tx Frame	The quantities for the wireless network card transmit. (Frame: The unit of packet)
Rx Frame	The quantities for the wireless network card receive. (Frame: The unit of packet)

More Setting...

ccess Point Setting	
General Connection Setting	
Channel 6	
Mode Mixed Mode	-
SSID WLAN_AP	
T Hide SSID	
Tx Power Level 0 (Maximum Pow	er] • Apply
WEP Disable -	Setting
Authentication Mode: Open System	•
Fragment	Disabl
RTS/CTS	Disabl
Preamble Long	,
	_
MAC Address Filter: Setting	
Bridge Adapter:	
No bridge	-

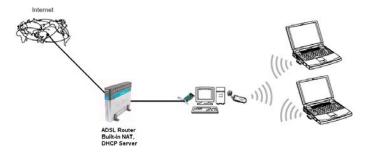
Channel	Shows the selected channel that is currently in
	use. (There are 14 channels available, depending
	on the country.)
Mode	Select Mixed Mode or 802.11b only, 802.11g
	only standard Mode (If you choose this option
	the device will automatically convert the suitable
	standard).
SSID	The SSID is the unique name shared among all points in your wireless network. The name must be identical for all devices and points attempting to connect to the same network.
	It shows the current SSID setting of the Wireless USB Adapter.
Tx Power	Select the Tx power from the pull-down menu, there are four levels including Level 1, Level 2, Level 3 (Minimum).
Change or Apply	Click <u>Change</u> to set the General Connection Setting. After Completing the setting Click <u>Apply</u> .
WEP	You can select to Enable or Disable the WEP function by selecting from the pull-down men.
	Click Setting and the following figure will appear.
	WEP key Setting. Image: Constraint of the setting

Authentication Mode	Select the Authentication mode from the
	pull-down menu, there are two modes for you to
	choose, Open System and Shared Key.
Fragment	The mechanism of Fragmentation Threshold is used to improve the efficiency when high traffic flows along in the wireless network. If your 802. Wireless LAN Adapter often transmit large files in wireless network, you can enter new Fragment Threshold value to split the packet. The value can be set from 256 to 2346. The default value is 2346.
RTS/CTS	RTS/CTS Threshold is a mechanism
	implemented to prevent the "Hidden Node"
	problem. If the "Hidden Node" problem is an
	issue, users have to specify the packet size. The
	RTS/CTS mechanism will be activated if the data
	size exceeds the value you set. The default value
	is 2347 .
	This value should remain at its default setting of
	2347 . Should you encounter inconsistent data
	flow, only minor modifications of this value are
	recommended.
Preamble	A preamble is a signal used in wireless
	environment to synchronize the transmitting
	timing including Synchronization and Start
	frame delimiter. Select from the pull-down menu
	to change the Preamble type into Long or Short.

MAC Address Filter	Click Setting and you will see the following figure. You can select the Filter Type from the pull-down menu.
	Disable : Select to disable the filter function. Accept : You can type in 15 MAC addresses by clicking Change . If you select Accept, then the MAC address(es) you type in will be connected to the AP. Reject : You can type in 15 MAC addresses by clicking Change . If you select Reject, then the MAC address(es) you type in will not be connected to the AP.
	Access Point Setting X Filter Type Disable Image: Comparison of the set of th
Bridge Adapter	The stations will not be allowed to connect to the internet if you select No bridge . The stations will be allowed to connect to the internet if you select the device listed in the pull-down menu.

Appendix

Soft AP Configuration



Setup Requirement:

To bridge your wired and wireless network using 802.11b+g Wireless LAN USB Adapter, the following must be met:

- 1. Install the 802.11b+g Wireless LAN USB Adapter on the LAN-connected computer.
- The Soft Access Point should be connected to a network switch, hub or a Broadband Router. Use a standard Category 5 UTP Ethernet cable with an RJ-45 connector to connect the Soft Access Point to one of router, hub, or switch.
- 3. The computer that you are installing the wireless card into has an Ethernet connection, and is connected to a LAN with a DHCP server.

SoftAP Configuration :

1. Select the Access Point mode, and you will see the following figure

😻 802.11b+g USB Wireless LAI	1 Utility 📃 🗖 🔀
Network Adapter: 802.11b+g USB Wireles	Mode: Access Point 💌
Connect Station List: Station MAC Address	Current Network Setting Channel: 6 SSID: WLAN_AP WEP: Disable Tx Power: Level 0
Tx Frame: 38	More Setting

2. Click the **More Setting...** button and the following figure will appear for

you to configure

Access Point Setting
General Connection Setting
Channel 6 👻
Mode Mixed Mode
SSID WLAN AP
□ Hide SSID
Tx Power Level 0 (17 dbm) (Maximum Po Apply
WEP Disable Setting
Authentication Mode: Open System 💌
Fragment J Disable
BTS/CTS (Disable
Preamble Long 💌
MAC Address Filter: Setting
Bridge Adapter:
No bridge
Information Apply

3. Select the wired Network Adapter that has already installed in the PC from the pull-down menu.

Access Point Setting
General Connection Setting Channel 6 Mode (Monol Mode SSID (WLAR, AP F Hide SSID Tx Power (Level 0 07 dbm) (Maximum Po v Apply
WEP Disable Sating Authentication Mode Open System Fragment RTS/075 MAD Address Filter: Sating Bridee Address
Ender Hospiter No bridge No bridge Neatter FTUISS9 Family POL Fast Ethernet ND: 1394 Net Adapter

4. If the network connected to the wired LAN card has a DHCP server, you just need to configure the wireless station as a DHCP client (select **Obtain an IP address automatically**). If the network does not have a DHCP server, you must assign a fixed IP to the wired PC (select Use the following IP address).

meral	General
You can get IP settings assigned automatically if your network supports his capability. Otherwise, you need to ask your network administrator for he appropriate IP settings.	You can get IP settings assigned automatically if your network supp this capability. Otherwise, you need to ask your network administrat the appropriate IP settings.
@ Obtain an IP address automatically	C Obtain write address automatically
C Uge the following IP address	Uge the following IP address:
(Paddess	IP address: 192.168.1.1
Sglast mak.	Subnet mask: 255 . 255 . 0
Qelaut gateway	Default gateway:
C Ogtain DNS server address automatically	C Ogan DNB server addless automatically
C Use the following DNS server addresses:	- C Use the following DNS server addresses
Ereferred DNS server	Preferred DNS server:
Alternate DNS server	Alternate DNS server.
Adganced	Adgare