# 802.11n/b/g WLAN Module WM5203

User's Manual

## FCC Certification

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.

#### Warning: Changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user authority to operate the equipment.



#### CAUTION

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.

For product available in the USA/Canada market, only channel 1~11 can be operated. Selection of other channels is not possible.

This device and its antenna(s) must not be co-located or operation in conjunction with any other antenna or transmitter.

#### 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.

#### **IMPORTANT NOTE:**

This module is intended for OEM integrator. The OEM integrator is still responsible for the FCC compliance requirement of the end product, which integrates this module.

20cm minimum distance has to be able to be maintained between the antenna and the users for the host this module is integrated into. Under such configuration, the FCC radiation exposure limits set forth for an population/uncontrolled environment can be satisfied.

Any changes or modifications not expressly approved by the manufacturer could void the user's authority to operate this equipment.

#### USERS MANUAL OF THE END PRODUCT:

In the users manual of the end product, the end user has to be informed to keep at least 20cm separation with the antenna while this end product is installed and operated. The end user has to be informed that the FCC radio-frequency exposure guidelines for an uncontrolled environment can be satisfied. The end user has to also be informed that any changes or modifications not expressly approved by the manufacturer could void the user's authority to operate this equipment. If the size of the end product is smaller than 8x10cm, then additional FCC part 15.19 statement is required to be available in the users manual: This device complies with Part 15 of 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.

#### LABEL OF THE END PRODUCT:

The final end product must be labeled in a visible area with the following " Contains TX FCC ID: MQ4WM5203 ". If the size of the end product is larger than 8x10cm, then the following FCC part 15.19 statement has to also be available on the label: This device complies with Part 15 of 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.

### **IC** Certification

This Class B digital apparatus complies with Canadian ICES-003. Cet appareil numérique de la classe B conforme á la norme NMB-003 du Canada.

This device complies with Industry Canada license-exempt RSS standard(s). Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.

Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes : (1) l'appareil ne doit pas produire de brouillage, et (2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

For product available in the USA/Canada market, only channel 1~11 can be operated. Selection of other channels is not possible.

Pour les produits disponibles aux États-Unis / Canada du marché, seul le canal 1 à 11 peuvent être exploités. Sélection d'autres canaux n'est pas possible.

This device and its antenna(s) must not be co-located or operation in conjunction with any other antenna or transmitter.

Cet appareil et son antenne (s) ne doit pas être co-localisés ou fonctionnement en association avec une autre antenne ou transmetteur.

#### IMPORTANT NOTE:

IC Radiation Exposure Statement:

This equipment complies with IC RSS-102 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.

Declaración de exposición a la radiación de Canada:

Este equipo cumple con los límites de exposición a la radiación de la IC establecidos para un ambiente no controlado.

Este equipo se debe instalar y operar con una distancia mínima de 20 cm entre el radiador y su cuerpo.

This module is intended for OEM integrator. The OEM integrator is still responsible for the IC compliance requirement of the end product, which integrates this module.

20cm minimum distance has to be able to be maintained between the antenna and the users for the host this module is integrated into. Under such configuration, the IC RSS-102 radiation exposure limits set forth for an population/uncontrolled environment can be satisfied.

Any changes or modifications not expressly approved by the manufacturer could void the user's authority to operate this equipment.

#### USERS MANUAL OF THE END PRODUCT:

In the users manual of the end product, the end user has to be informed to keep at least 20cm separation with the antenna while this end product is installed and operated. The end user has to be informed that the IC radio-frequency exposure guidelines for an uncontrolled environment can be satisfied. The end user has to also be informed that any changes or modifications not expressly approved by the manufacturer could void the user's authority to operate this equipment. IC statement is required to be available in the users manual: This Class B digital apparatus complies with Canadian ICES-003. 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.

#### LABEL OF THE END PRODUCT:

The final end product must be labeled in a visible area with the following " Contains TX IC : 2826B-WM5203 ".

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# Chapter 1: Introduction

WM5203 measures just around 15 mm long and 15mm wide that make it hold the distinction of being the smallest USB dongle in the world at present. WM5203 give mobile workers the freedom of staying connected to the network while roaming around a building or multiple buildings maintaining access to the Internet, e-mail, networked applications with the best convenience in narrow or crowded space for it's ultra micro size.WM5203 is expected to be able to reach 150Mbps, which is relatively lower than normal, but still far more than sufficient to receive media streaming to the from access point.

# **Features**

- □ 1T1R Mode with 150Mbps PHY Rate
- Complies with IEEE 802.11n and IEEE 802.11 b/g standards
- □ Supports WEP 64/128, WPA, WPA2
- □ Supports USB 2.0 interface

# **Chapter 2: Installation**

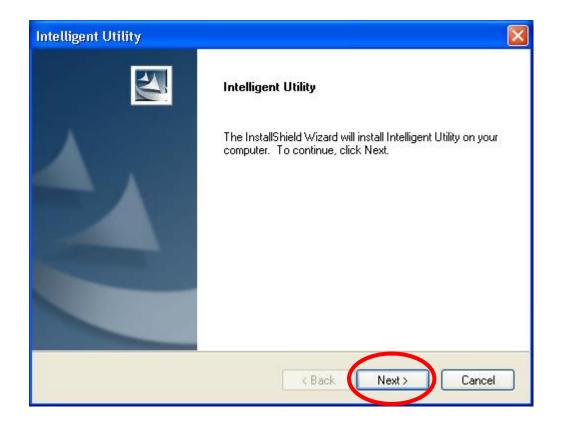
# For Windows 2000/XP

## **Install Software**

Note:

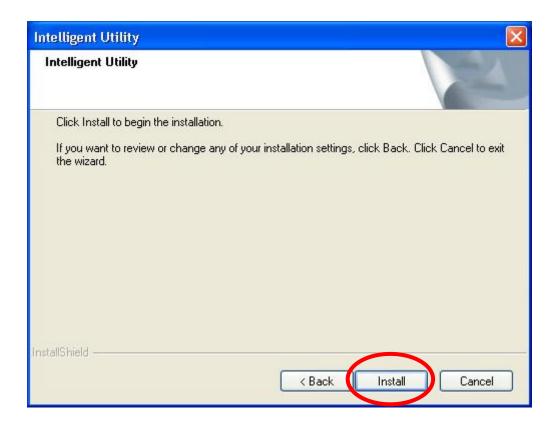
Do not insert the WLAN Module into the computer until the InstallShield Wizard finished installing.

1. Exit all Windows programs. Insert the included Installation CD into the computer. The CD-ROM will run automatically. Please click **Next** to process the installation.

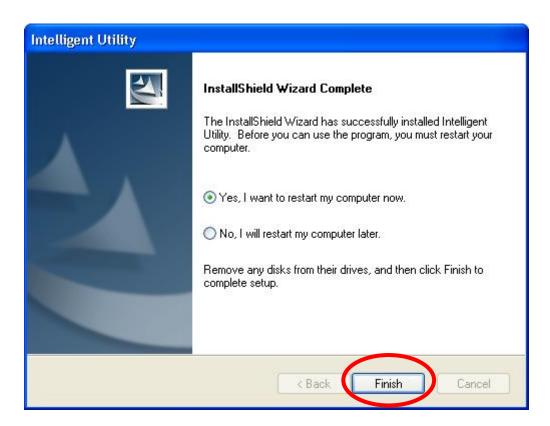


2. When prompt to the following message, please click **Install** to begin the installation.





3. When the following screen appears, click **Finish** to restart the computer to complete the software installation.



# Install Hardware

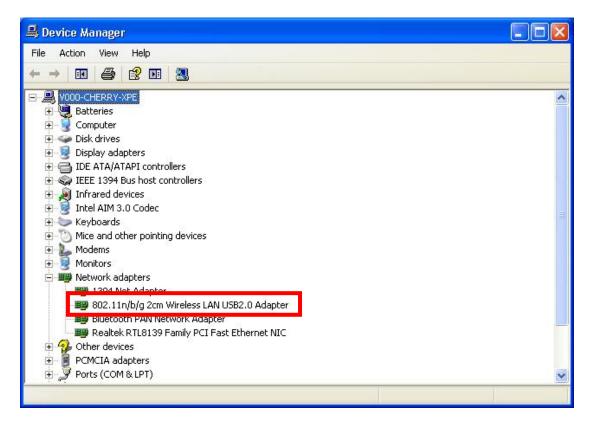
#### Note:

#### Insert the WLAN Module when finished software installation.

Insert the WLAN Module into the USB Port of the computer. The system will automatically detect the new hardware.

# Verification

To verify the device is active in the computer. Go to **Start > Control Panel > System > Hardware> Device Manager**. Expand the **Network adapters** category. If the **802.11n/b/g 2cm Wireless LAN USB2.0 Adapter** is listed here, it means that the device is properly installed and enabled.



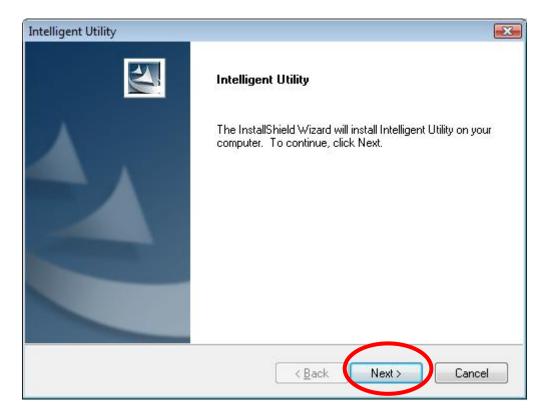
# For Windows Vista

# Install Software

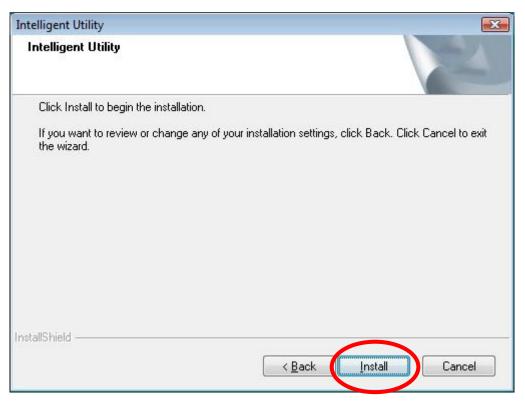
#### Note:

# Do not insert the WLAN Module into the computer until the InstallShield Wizard finished installing.

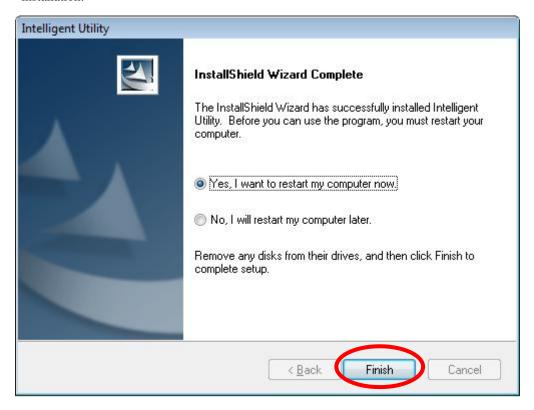
1. Exit all Windows programs. Insert the included Installation CD into the computer. The CD-ROM will run automatically. Please click **Next** to process the installation.



2. When prompt to the following message, please click **Install** to begin the installation.



3. When the following screen appears, click **Finish** to restart the computer to complete the software installation.



# Install Hardware

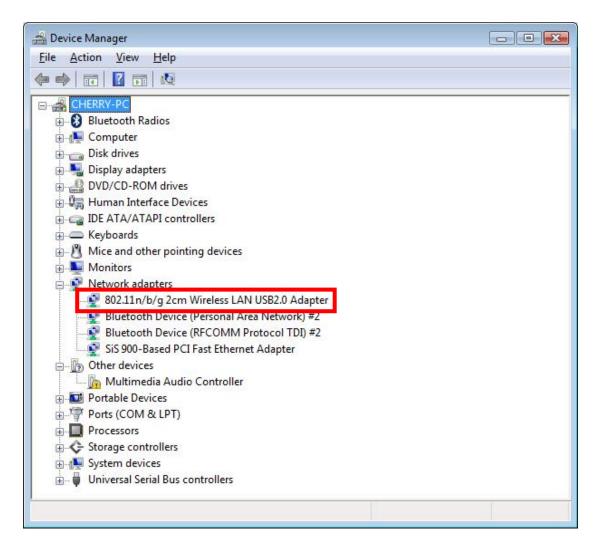
#### Note:

#### Insert the WLAN Module when finished software installation.

Insert the WLAN Module into the USB Port of the computer. The system will automatically detect the new hardware.

# Verification

To verify the device is active in the computer. Go to **Start >Control Panel > Hardware and Sound > Device Manager**. Expand the **Network adapters** category. If the **802.11n/b/g 2cm Wireless LAN USB2.0 Adapter** is listed here, it means that the device is properly installed and enabled.



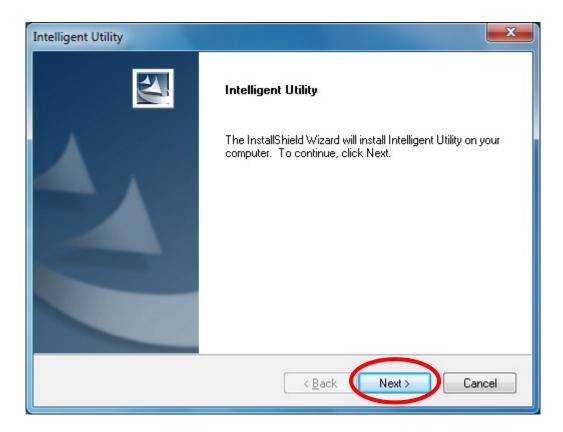
# For Windows 7

# Install Software

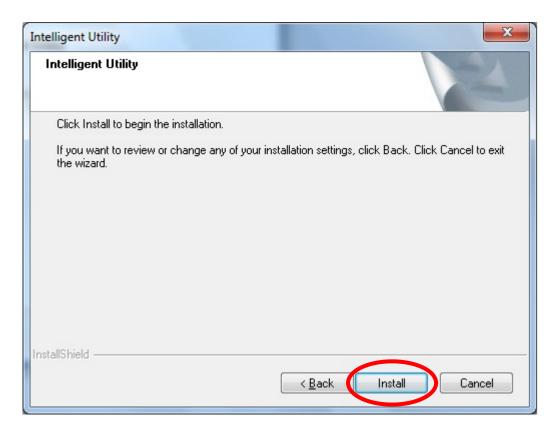
#### Note:

# Do not insert the WLAN Module into the computer until the InstallShield Wizard finished installing.

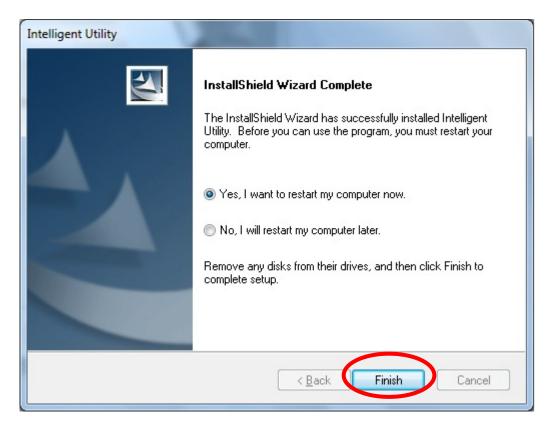
1. Exit all Windows programs. Insert the included Installation CD into the computer. The CD-ROM will run automatically. Please click **Next** to process the installation.



2. When prompt to the following message, please click Install to begin the installation



3. When the following screen appears, click **Finish** to restart the computer to complete the software installation.



# Install Hardware

#### Note:

#### Insert the WLAN Module when finished software installation.

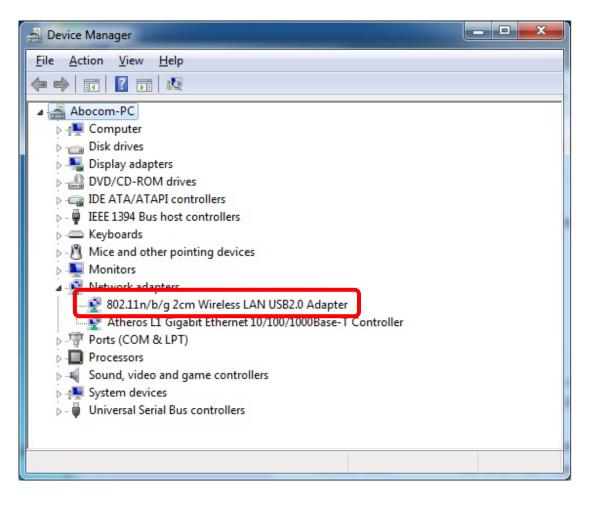
Insert the WLAN Module into the USB Port of the computer. The system will automatically detect the new hardware.

## Verification

To verify the device is active in the computer. Go to **Start > Control Panel > Device Manager**.

Expand the Network adapters category. If the 802.11n/b/g 2cm Wireless LAN USB2.0 Adapter is

listed here, it means that the device is properly installed and enabled.



# Chapter 3: Network Connection

# How to Make a Connection

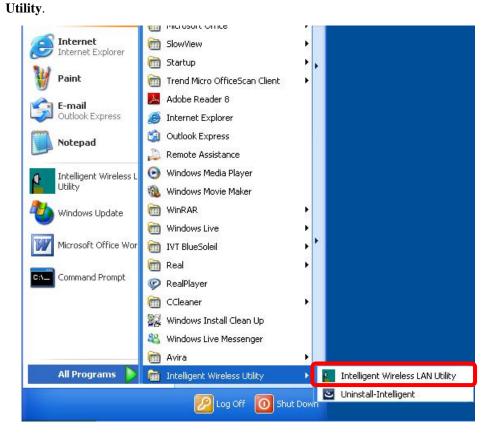
To make a connection with an access point, please follow below steps. Here takes Windows XP OS for example.

**Step 1**: After set up the WLAN Module successfully, please launch the Configuration Utility. There are two ways to launch the utility by:

(1) Double clicking the Intelligent Wireless LAN Utility icon on the desktop.



(2) Or go to Start →All Programs →Intelligent Wireless Utility → Intelligent Wireless LAN



**Step 2:** Please go to the **Available Network** tab, the system will automatically scan access points nearby, or click **Refresh** button to site survey again.

fresh(R) Mode(M) Abou	General Profile Available Ne	hunde di e		(CD ) (C)		
802.11n/b/g 2cn		twork L'statu:	s Statistics v	Vi-Fi Protect Setup		
1.2	Available Network(s)					
	SSID	Channel	Encryption	Network Authentication	Signal 📥	
	(m) 3Q3Q	1	WEP	Unknown	42%	
	(m) WR254E	1	None	Unknown	42%	
	tepi) ZyXEL	1	None	Unknown	62%	
	CyXEL-1	1	None	Unknown	46%	
	(main planexuser	1	None	Unknown	42%	
	((p)) airlive	2	None	Unknown	42%	
	<sup>(m)</sup> ZyXEL_3090_AP	З	AES	WPA2 Pre-Shared Key	56%	
	(🖓 ZyXEL-giga	4	TKIP	WPA Pre-Shared Key	8% -	
	SSID-00c473db	5	None	Unknown	70%	
	<sup>(m)</sup> 412	6	TKIP/AES	WPA Pre-Shared Key/	88%	
	Abocom-Wireless	6	None	Unknown	60%	
	MarthurAP	6	WEP	Unknown	62%	
	(P)ZyXEL_3090	8	AES	WPA2 Pre-Shared Key	74%	
	(mina)	9	TKIP	WPA Pre-Shared Key	72% 👝	
		10	דעזח	MOA Dro Charod Koy	7007. 🎽	
	<				2	
	Refres	h		Add to Profile	٦	
	Kelles			Add to Profile		
	Note					
	Double click on item to join/create profile.					
		to join (creat	to prome.			
<u> </u>						
Show Tray Icon		Disable Ac	lapter		Close	
Radio Off						

**Step 3**: Then, double click preferred access point or click **Add to Profile** button to make a connection (if the access point has been set up security, please enter passwords and then click **OK**.)

MyComputer	General Profile Available Netwo	rk Statu:	Statistics V	Vi-Fi Protect Setup	
	Available Network(s)				
	SSID	Channel	Encryption	Network Authentication	Signal 📥
	<sup>((4))</sup> 3Q3Q	1	WEP	Unknown	42%
	(1) WR254E	1	None	Unknown	42%
	<sup>€</sup> ¶ <sup>3</sup> ZyXEL	1	None	Unknown	62%
	March 200 ZyXEL-1	1	None	Unknown	46%
	(main and a second seco	1	None	Unknown	42%
	(m) airlive	2	None	Unknown	42%
	<sup>[[4]]</sup> ZyXEL_3090_AP	З	AES	WPA2 Pre-Shared Key	56%
	V ZyXEL-giga	4	TKIP	WPA Pre-Shared Key	8% -
	(M) SSID-00c473db	5	None	Unknown	70%
	Cherry	6	TKIP/AES	WPA Pre-Shared Key/	88%
	Abocom-Wireless	D	None	Unknown	00%
	4 ArthurAP	6	WEP	Unknown	62%
	<sup>((</sup> ) <sup>3</sup> ZyXEL_3090	8	AES	WPA2 Pre-Shared Key	74%
	👘 mina	9	TKIP	WPA Pre-Shared Key	72%
		10	חזעד	MAN Dro Charod Koy	7007.
	Refresh			Add to Profile	
	Note				
	Double click on item to	ioin/creat	e profile.		
> III >					

# How to Add a Profile

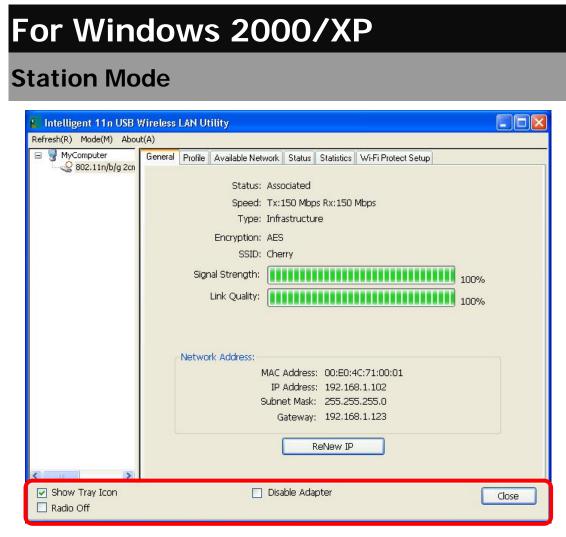
After launched Wireless LAN Utility and selected preferred access point, please click **Add to Profile** button to enter **Wireless Network Properties** windows. If the access point has been set up security, please enter passwords, and then click **OK** to save profile settings.

Wireless Network Prop	erties:		
Profile Name:	Cherry	802.1x configure	
Network Name(SSID):	Cherry	EAP TYPE :	
		GTC	~
		Tunnel : Privision Mo	ide :
This is a computer-to access points are no	o-computer(ad hoc) network; wireless it used.		~
Channel:	11 (2462MHz) 💌	Username :	
- Wireless network secu	urity		
This network requires	s a key for the following:	Identity :	
Netv	vork Authentication: WPA2-PSK 🛛 🗸	16	
	Data encryption: AES 🗸 🗸	Domain :	
	SPHRASE	Password :	
Key index (advanced	): 1	Certificate :	
Network key:			~
• T.		PAC : Auto Select PAC	
Confirm network key:			~
ОК	Cancel		
			and the second

After finished above settings, please go to **Profile** tab to check the profile list (Available Profile(s)).

👔 Intelligent 11n USB 1	Wireless LAN Utility			_ 🗆 🛛
Refresh(R) Mode(M) Abou	it(A)			
B VyComputer	General Profile Available M	Network Status Statistics	Wi-Fi Protect Setup	
	Profile Name Cherry	SSID Cherry	Add	
			Remove	
			Edit	
			Duplicate	
			Set Default	
	<	100	>	
< No. 2010				
Show Tray Icon Radio Off		Disable Adapter		Close

# Chapter 4: Utility Configuration



- Show Tray Icon: Check to show the wireless adapter icon at the tray.
- Disable Adapter: Check this to disable the wireless adapter.
- **Radio off:** Check this to turn OFF radio function.
- Close: Click to leave the Intelligent 11n USB Wireless LAN Utility.

### <u>General</u>

**IP Address** 

Gateway

**Renew IP** 

Subnet Mask

The General page displays the detail information of current connection.

👔 Intelligent 11n USB V	/ireless LAN Utility
Refresh(R) Mode(M) About	
🖃 🈼 MyComputer	General Profile Available Network Status Statistics Wi-Fi Protect Setup
	Status: Associated
	Speed: Tx:150 Mbps Rx:150 Mbps
	Type: Infrastructure
	Encryption: AES
	SSID: Cherry
	Signal Strength: 100%
	Link Quality: 100%
	Network Address:
	MAC Address: 00:E0:4C:71:00:01 IP Address: 192.168.1.102
	Subnet Mask: 255.255.255.0
	Gateway: 192.168.1.123
	ReNew IP
Show Tray Icon	Disable Adapter
Radio Off	
General Tab	
Status	Shows the current connected status. If there is no connection, it will show Not Associated. If been connected, the system will show Associated.
Smood	When connecting, the system will show checking Status.           Shows the system transmitting rate and receiving rate.
Speed	Shows the current transmitting rate and receiving rate.
Туре	Network type in use, Infrastructure or Ad-Hoc.
Encryption	Shows the encryption type currently in use. Valid value includes WEP, TKIP, AES, and Not Use.
SSID	Shows the connected access point network name.
Signal Strength	Shows the receiving signal strength.
Link Quality	Shows the connection quality based on signal strength.
MAC Address	The physical address of the WLAN Module.

Click the Renew IP button to obtain IP address form the connected

Shows the IP address information.

gateway.

Shows the Subnet Mask information.

Shows the default gateway IP address.

### **Profile**

Profile can let users book keeping the favorite wireless setting among home, office, and other public hot-spot. Users may save multiple profiles, and activate the correct one at preference. The Profile manager enables users to **Add, Remove, Edit, Duplicate** and **Set Default** profiles.

👔 Intelligent 11n USB W	Vireless LAN Utility		
Refresh(R) Mode(M) About	t(A)		
MyComputer S02.11n/b/g 2cn	General Profile Available Available Profile(s)	a Network ∥ Status ∥ Statistics ∥ Wi-Fi	Protect Setup
	Profile Name	SSID Cherry	Add
	2012	~~	Remove
			Edit
			Duplicate
			Set Default
	<		
< >			
Show Tray Icon Radio Off		Disable Adapter	Close

Profile Tab	
Profile Name	Here shows a distinctive name of profile in this column.
SSID	The <b>SSID</b> is the unique name shared among all wireless access points in the wireless network.
Add	Click <b>Add</b> button to add a profile from the drop-down screen.

Profile Name:	802.1x configure		
Network Name(SSID):	EAP TYPE :		
	GTC		
	Tunnel :	Privision Mod	de :
This is a computer-to-computer (ad hoc) network; wireless access points are not used.		~	\$
Channel: 1 (2412MHz)	Username :		
Wireless network security			
This network requires a key for the following:	Identity :		
Network Authentication: Open System	•		
Data encryption: Disabled	Domain :		
	Password :		
Key index (advanced):	Certificate :		
Network Key.	PAC : Auto	o Select PAC	2
Confirm network key:	PAC. DAdd	J BEBUL PAG	
Contrast recent roys			

Profile Name: Users can enter profile name at will.

**Network Name (SSID)**: The SSID is the unique network name (case-sensitive) shared among all wireless access points in the wireless network. The name must be identical for all devices and wireless access points attempting to connect to the same network.

This is a computer-to-computer (ad hoc) network; wireless access points are not used: This function is selected to enable the ad hoc network type that computers should be setup at the same channel to communicate to each other directly without access point, users can share files and printers between each PC and laptop. User can select channels form the pull-down menu.

#### Wireless network security

**Network Authentication:** There are several types of authentication modes including Open System, Shared Key, WPA-PSK, WPA2-PSK, WPA 802.1X, WPA2 802.1X and WEP 802.1X.

**Data encryption:** For Open System, Shared Key and WEP 802.1X authentication mode, the selection of encryption type is WEP. For WPA-PSK, WPA2-PSK, WPA 802.1X and WPA2 802.1X authentication mode, the encryption type supports both TKIP and AES.

#### When encryption is set to WEP...

**ASCII:** Only valid when using WEP encryption algorithm. When key length is set to 64 bits user can enter 5 ASCII characters (case sensitive), and 128 bits for 13 ASCII characters (case sensitive).

**PASS PHRASE:** Only valid when using WEP encryption algorithm. When key length is set to 64 bits user can enter 10 Hexadecimal characters (0~9, a~f) and 128 bits for 26 Hexadecimal characters (0~9, a~f).

**Key index (advanced):** Select 1~4 key index form the pull-down menu, must match with the connected AP's key index.

When encryption is set to WPA-PSK/ WPA2-PSK...

Network key: Enter network key at least 8 to 64 characters.

Confirm network key: Enter network key again to confirm.

	When encryption is set to WPA 802.1X/ WPA2 802.1X/ WEP 802.1X
	When users use radius server to authenticate client certificate for WPA authentication mode (WPA authentication do not support EAP Method-MD5-Challenge).
	EAP TYPE:
	• <b>TLS</b> : Transport Layer Security. Provides for certificate-based and mutual authentication of the client and the network. It relies on client-side and server-side certificates to perform authentication and can be used to dynamically generate user-based and session-based WEP keys to secure subsequent communications between the WLAN client and the access point.
	• <b>LEAP:</b> Light Extensible Authentication Protocol. It is an EAP authentication type used primarily in Cisco Aironet WLANs. It encrypts data transmissions using dynamically generated WEP keys, and supports mutual authentication.
	• <b>TTLS</b> : Tunnelled Transport Layer Security. This security method provides for certificate-based, mutual authentication of the client and network through an encrypted channel. Unlike EAP-TLS, EAP-TTLS requires only server-side certificates.
	• <b>PEAP</b> : Protect Extensible Authentication Protocol. PEAP transport securely authentication data by using tunnelling between PEAP clients and an authentication server. PEAP can authenticate wireless LAN clients using only server-side certificates, thus simplifying the implementation and administration of a secure wireless LAN.
	<ul> <li>MD5: Message Digest Challenge. Challenge is an EAP authentication type that provides base-level EAP support. It provides for only one-way authentication - there is no mutual authentication of wireless client and the network.</li> </ul>
	<b>Tunnel:</b> This is enabled under TTLS and PEAP type. For TTLS, the selections of tunnel are CHAP, MSCHAP, MSCHAP-V2, PAP. For PEAP, the selections of tunnel are MD5, GTC, TLS and MSCHAP-V2.
	Username: Enter the username for server.
	Identity: Enter the identity for server.
	<b>Domain:</b> Enter the domain of the network.
	<b>Password:</b> Enter the password for server.
	Certificate: Choose server that issuer of certificates.
Remove	Click <b>Remove</b> button to delete selected profile.
Edit	Click <b>Edit</b> button to edit selected profile.
Duplicate	Click <b>Duplicate</b> button to copy selected profile.
Set Default	Click Set Default button to set selected profile to be connected first.

### **Available Network**

This page displays the information of surrounding APs from last scan result. The tab lists the information including SSID, Channel, Encryption, Network Authentication, Signal, Type, BSSID, Supported Rate (s), and Mode.

fresh(R) Mode(M) Abou						
B WyComputer	General Profile Available Ne	twork Statu:	s Statistics V	Vi-Fi Protect Setup		
802.11n/b/g 2cn	Available Network(s)					
	SSID	Channel	Encryption	Network Authentication	Signal 🔼	
	(m)3Q3Q	1	WEP	Unknown	42%	
	19 WR254E	1	None	Unknown	42%	
	Cyst ZyXEL	1	None	Unknown	62%	
	MagazyXEL-1	1	None	Unknown	46%	
	(m) planexuser	1	None	Unknown	42%	
	(19) airlive	2	None	Unknown	42%	
	<sup>(4)</sup> ZyXEL_3090_AP	3	AES	WPA2 Pre-Shared Key	56%	
	🐶 ZyXEL-giga	4	TKIP	WPA Pre-Shared Key	8% -	
	Mail SSID-00c473db	5	None	Unknown	70%	
	Cherry	6	TKIP/AES	WPA Pre-Shared Key/	88%	
	Mabocom-Wireless	6	None	Unknown	60%	
	MarthurAP	6	WEP	Unknown	62%	
	<sup>((P)</sup> ZyXEL_3090	8	AES	WPA2 Pre-Shared Key	74%	
	🤎 mina	9	TKIP	WPA Pre-Shared Key	72% 👝	
	foll DOCUADE	10	דעזח	M/DA Dro Charod Koy	7007.	
	Refres	h		Add to Profile	]	
					-	
	Note					
	Double click on item to join/create profile.					
- III - III	6					
Show Tray Icon	-	] Disable Ac	lantor		c	
] Show Tray Icon ] Radio Off	L	J DISADIE AU	артег		Close	

Network Tab	
SSID	Shows the network name of the access points.
Channel	Shows the currently channel in use.
Encryption	Shows the encryption type currently in use. Valid value includes WEP, TKIP, AES, None and TKIP/AES.
Network Authentication	Show the device network authentication.
Signal	Shows transmit power, the amount of power used by a radio transceiver to send the signal out.
Туре	Network type in use, Infrastructure or Ad-Hoc mode.
BSSID	Shows Wireless MAC address.
Supported Rate(s)	Shows the transmitting data rate.

Mode	Supported wireless mode. It may support 802.11b, 802.11g and 802.11n wireless mode.
Refresh	Click Refresh button to search and rescan the available network.
Add to Profile	Select an available network (SSID) on the list and then click Add to Profile button to add it into the profile list.
Note	Double click on item to join/create profile.

### <u>Status</u>

This tab listed the information about the WLAN Module and connected access point.

👔 Intelligent 11n USB \	Nireless LAN Utility
Refresh(R) Mode(M) Abou	t(A)
Refresh(R) Mode(M) Abou	t(A)           General         Profile         Available Network         Status         Statistics         Wi-Fi Protect Setup           Manufacturer         =         Intelligent         NDIS Driver Version         =         1084.19.1113.2009           Short Radio Header         =         No         =         No           Encryption         =         AES         =         Authenticate         =         WPA2-PSK           Channel Set         =         FCC         MAC Address         =         00:E0:4C:71:00:01           Data Rate (AUTO)         =         Tx:150 Mbps Rx:150 Mbps         Channel (Frequency)         =         11 (2462 MHz)           Status         =         Associated         SSID         =         Cherry           Network Type         =         Infrastructure         =         Power Save Mode         =         None           Associated AP MAC         =         00:E0:4C:33:12:01         Up Time (hh:mm:ss)         =         0:39:10
Show Tray Icon	Disable Adapter

## **Statistics**

The Statistics screen displays the statistics on the current network settings.

MyComputer Gen	al Profile Available Network S	tatus Statistics		5	
Contraction of the second seco		and the second s	Wi-Fi Protect Setup		
	Counter Name			/alue	
	Tx OK		2	2969	
	Tx Error			0	
	Rx OK Rx Packet Count			964 964	
	Rx Retry			93	
	Rx ICV Error			Ő	
	C	2 3			
		Reset			
<b>X</b>					
	14-14 X			in the second	
] Show Tray Icon	📃 Disabl	e Adapter			Close

Statistics		
Тх ОК	Shows information of packets successfully sent.	
Tx Error	Shows information of packets failed transmit after hitting retry limit.	
Rx OK	Shows information of packets received successfully.	
Rx Packet Count	Shows information of packets received successfully.	
Rx Retry	Shows information of packets failed transmit after hitting retry limit.	
Rx ICV Error	Shows information of packets received with ICV error.	
Reset	Click to reset counters to zero.	

### <u>WPS</u>

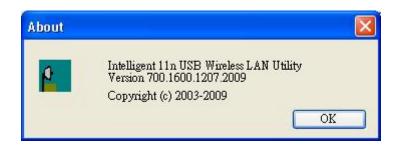
The primary goal of Wi-Fi Protected Setup (Wi-Fi Simple Configuration) is to simplify the security setup and management of Wi-Fi networks. The STA as an Enrollee or external Registrar supports the configuration setup using PIN (Personal Identification Number) configuration method or PBC (Push Button Configuration) method through an internal or external Registrar.

👔 Intelligent 11n USB 🕅	/ireless LAN Utility	
Refresh(R) Mode(M) About	:(A)	
Refresh(R) Mode(M) About	(A) General Profile Available Network Status Statistics Wi-Fi Protect Setup Wi-Fi Protected Setup (VVPS) An easy and secure setup solution for Wi-Fi network Pin Input Config (PIN) After pushing the PIN button.Please enter the PIN code into your AP. PIN Code : 63912111 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)	
<ul> <li>✓ Show Tray Icon</li> <li>☐ Radio Off</li> </ul>	Disable Adapter	Close

WPS Tab		
PIN Code	8-digit numbers. It is required to enter PIN Code into Registrar when using PIN method. When STA is Enrollee, users can use " <b>Renew</b> " button to re-generate new PIN Code.	
Pin Input Config (PIN)	Click the <b>Pin Input Config</b> ( <b>PIN</b> ) button to select specific AP to process PIN Config.	
Push Button Config (PBC)	Click this button to connect with AP that supported WPS function within two minutes. Meanwhile, the AP should also click the PBC button simultaneously.	

### <u>About</u>

This page displays the information of the WLAN Module Version.



# Switch to AP Mode

To access the soft AP mode, please select the Mode on the function list of the Utility to make the

WLAN Module act as a wireless AP.

👔 Intelligent 11: USB Wir	eless LAN Utility	
Refresh(R) Mode(M) About(A)		
□ UVC ✓ Station Access Point	eral Profile Available Network Status Statistics Wi-Fi Protect Setup	
	Wi-Fi Protected Setup (WPS)	
	An easy and secure setup solution for Wi-Fi network	
	Pin Input Config (PIN) After pushing the PIN button.Please enter the PIN code into your AP.	
	PIN Code : 63912111	
	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)	
< <u>&gt;</u>		
Show Tray Icon Radio Off	Disable Adapter	Close

# Soft AP mode

## <u>General</u>

👔 Intelligent 11n USB W	/ireless LAN Utility	
Refresh(R) Mode(M) About	(A)	
B MyComputer	General Advanced Statistics ICS	
	SSID: softAp	
	BSSID: 00:E0:4C:71:00:01	
	Association Table	
	AID MAC Address Life Time	
Show Tray Icon	Config Config	
Radio Off	Disable Adapter Close	
General		
SSID	Shows the network name of the AP.	
BSSID	Shows the MAC address of the AP.	
Association Table	This table shows the connected client here.	
Config	Click the Config button to set up the Wireless Network Properties.	

Wireless Network Properties:	
Profile Name: Access Point Mode	
Network Name(SSID): softAP	
☐ This is a computer-to-computer(ad hoc) network; wireless access points are not used.	
Channel: 1 (2412MHz) 💌	
Wireless network security This network requires a key for the following:	
Network Authentication: Open System	
Data encryption: Disabled	
Key index (advanced): 1 🗸	
Network key:	
Carden acts and law	
Confirm network key:	
OK Cancel	
Network News (SSID): II.	
-	ange the network name of this access
point.	
Channel: User can select the channel	l form the pull-down list.
XX7* 1	
Wireless network security	
Network Authentication: There are	• •
modes including Open System, Shar	ed Key, WPA-PSK and WPA2-PSK.
Data an americana East On an Sustain	and Chanad Kass anthantiastics made
	and Shared Key authentication mode,
the selection of encryption type is W	
authentication mode, the encryption	type supports both TKIP and AES.
When encryption is set to WEP	
ACCIL: Only well'd and an entry MUDD	an amount i an all a cuith an XX71 and 1
ASCII: Only valid when using WEP	
length is set to 64 bits user can enter	
and 128 bits for 13 ASCII characters	(case sensitive).
PASS PHRASE: Only valid when u	
	r can enter 10 Hexadecimal characters
(0~9, a~f) and 128 bits for 26 Hexad	ecimal characters (0~9, a~f).
	in the Course the second state
Key index (advanced): Select 1~4 k	•
must match with the connected AP's	key index.
When an anomation is set to WDA DC	WDAA DOV
When encryption is set to WPA-PS	0K/ WPA2-PSK
Notwork koy, Enter notwork 1 at	least 8 to 64 abarrators
Network key: Enter network key at	least o to 04 characters.
Confirm network key: Enter network	rk key again to confirm.

### **Advanced**

👔 Intelligent 11n USB 🕯	Wireless LAN Utility	
Refresh(R) Mode(M) Abou	ut(A)	
B MyComputer	General Advanced Statistics ICS	
	General	
	Beacon Interval	
	100	
	DTIM Period:	
	3	
	Preamble Mode	
	Long	
		, .
	Set Defaults Apply	J I
< >		
Show Tray Icon	Disable Adapter	Class
Radio Off		Close

Advanced	
Beacon Interval	The time between two beacons. (The system default is 100 ms.)
DTIM Period	The delivery traffic indication message (DTIM) is an element included in some beacon frames. User can specify a value from 1 to 255 beacons.
Preamble	Select from the pull-down menu to change the Preamble type into <b>Short</b> or <b>Long</b> .
Set Defaults	Click to use the system default value.
Apply	Click to apply the above settings.

### **Statistics**

👔 Intelligent 11n USB Wi			
Refresh(R) Mode(M) About(A			
B WyComputer	ieneral Advanced Statistics ICS		
	Counter Name	Value	
	Tx OK	15930	
	Tx Error	0	
	Rx OK	658	
	Rx Packet Count	658	
	Rx Retry	576	
	Rx ICV Error	0	
	Reset		
	Keset		
	an the second second		-
🗹 Show Tray Icon	🔲 Disable Adapter	Clos	e
🔲 Radio Off			

Statistics		
Тх ОК	Shows information of packets successfully sent.	
Tx Error	Shows information of packets failed transmit after hitting retry limit.	
Rx OK	Shows information of packets received successfully.	
Rx Packet Count	Shows information of packets received successfully.	
Rx Retry	Shows information of packets failed transmit after hitting retry limit.	
Rx ICV Error	Shows information of packets received with ICV error.	
Reset	Click to reset counters to zero.	

## <u>ICS</u>

This page displays setting Internet connection sharing (ICS). Select a sharing public network and click Apply button to make a connection.

👔 Intelligent 11n USB V	Vireless LAN Utility	
Refresh(R) Mode(M) Abou	t(A)	
🖃 闍 MyComputer 	General Advanced Statistics ICS Setting Internet Connection Sharing (ICS)	
	ConnName Device Name	
	은 Local Area Connection Realtek RTL8139 Family PCI Fast Ethernet NIC 전 Local Area Connecti Bluetooth PAN Network Adapter	
	Public Network	>
Show Tray Icon	Disable Adapter	Close

# For Windows Vista

# **Station Mode**

Refresh(R)       Mode(M)       About(A)         General       Profile       Available Network       Status       Status:       Wi-Fi Protect Setup         Status:       Associated       Speed:       Tx:150       Mbps Rx:150         Type:       Infrastructure       Encryption:       AES         SSID:       Cherry       Signal Strength:       100%         Link Quality:       100%       100%         Network Address:       MAC Address:       00:E0:4C:71:00:01         IP       Address:       192.168.1.100         Subnet Mask:       255.255.0       Gateway:         Gateway:       192.168.1.123
Status: Associated Speed: Tx:150 Mbps Rx:150 Type: Infrastructure Encryption: AES SSID: Cherry Signal Strength: 100% Link Quality: 100% Network Address: MAC Address: 00:E0:4C:71:00:01 IP Address: 192.168.1.100 Subnet Mask: 255.255.255.0
Status: Associated Speed: Tx:150 Mbps Rx:150 Type: Infrastructure Encryption: AES SSID: Cherry Signal Strength: 100% Link Quality: 100% Network Address: MAC Address: 00:E0:4C:71:00:01 IP Address: 192.168.1.100 Subnet Mask: 255.255.0
Type: Infrastructure Encryption: AES SSID: Cherry Signal Strength: Link Quality: Network Address: MAC Address: 00:E0:4C:71:00:01 IP Address: 192.168.1.100 Subnet Mask: 255.255.0
Encryption: AES SSID: Cherry Signal Strength: 100% Link Quality: 100% Network Address: MAC Address: 00:E0:4C:71:00:01 IP Address: 192.168.1.100 Subnet Mask: 255.255.0
SSID: Cherry Signal Strength: 100% Link Quality: 100% Network Address: MAC Address: 00:E0:4C:71:00:01 IP Address: 192.168.1.100 Subnet Mask: 255.255.0
Signal Strength: 100% Link Quality: 100% Network Address: MAC Address: 00:E0:4C:71:00:01 IP Address: 192.168.1.100 Subnet Mask: 255.255.0
Link Quality: 100% Network Address: MAC Address: 00:E0:4C:71:00:01 IP Address: 192.168.1.100 Subnet Mask: 255.255.0
Network Address: MAC Address: 00:E0:4C:71:00:01 IP Address: 192.168.1.100 Subnet Mask: 255.255.0
Network Address: MAC Address: 00:E0:4C:71:00:01 IP Address: 192.168.1.100 Subnet Mask: 255.255.0
MAC Address: 00:E0:4C:71:00:01 IP Address: 192.168.1.100 Subnet Mask: 255.255.0
MAC Address: 00:E0:4C:71:00:01 IP Address: 192.168.1.100 Subnet Mask: 255.255.0
MAC Address: 00:E0:4C:71:00:01 IP Address: 192.168.1.100 Subnet Mask: 255.255.0
IP Address: 192.168.1.100 Subnet Mask: 255.255.255.0
Subnet Mask: 255.255.255.0
Gateway: 192.168.1.123
ReNew IP
Reinew IP
Show Tray Icon Disable Adapter Close
Radio Off

- Show Tray Icon: Check to show the wireless adapter icon at the tray.
- **Disable Adapter:** Check this to disable the wireless adapter.
- **Radio off:** Check this to turn OFF radio function.
- Close: Click to leave the Intelligent 11n USB Wireless LAN Utility.

### **General**

The General page displays the detail information of current connection.

👔 Intelligent 11n USB Wire	less LAN (	Jtility						- • •
	bout( <u>A</u> )							
	General	Profile	Available Network	Status	Statistics	Wi-Fi Protect Setup	]	
			Status: Associa	ted				
			Speed: Tx:150	Mbps R	x:150			
			Type: Infrastr	ucture				
		Er	cryption: AES					
			SSID: Cherry					
		Signal 9	Strength:				100%	
							100%	
		Lin	k Quality:				100%	
	Netwo	ork Addr						
			MAC Address: 0	0:E0:40	:71:00:01	E.		
			IP Address: 19	92.168.	1.100			
			Subnet Mask: 2	55.255.	255.0			
			Gateway: 19	92.168.	1.123			
	-		_			_		_
				ReNe	N IP			
< <u> </u>				_				
Show Tray Icon			Disa Disa	ble Ada	pter			Close
Radio Off								

General Tab	
Status	Shows the current connected status. If there is no connection, it will show Not Associated. If been connected, the system will show Associated. When connecting, the system will show checking Status.
Speed	Shows the current transmitting rate and receiving rate.
Туре	Network type in use, Infrastructure or Ad-Hoc.
Encryption	Shows the encryption type currently in use. Valid value includes WEP, TKIP, AES, and Not Use.
SSID	Shows the connected access point network name.
Signal Strength	Shows the receiving signal strength.
Link Quality	Shows the connection quality based on signal strength.
MAC Address	The physical address of the WLAN Module.
IP Address	Shows the IP address information.
Subnet Mask	Shows the Subnet Mask information.
Gateway	Shows the default gateway IP address.
Renew IP	Click the Renew IP button to obtain IP address form the connected

gateway.

#### **Profile**

Profile can let users book keeping the favorite wireless setting among home, office, and other public hot-spot. Users may save multiple profiles, and activate the correct one at preference. The Profile manager enables users to **Add, Remove, Edit, Duplicate** and **Set Default** profiles.

Intelligent 11n USB Wirel	less LAN l	Jtility						
Refresh( <u>R</u> ) Mode( <u>M</u> ) At	bout( <u>A</u> )							
B	General	Profile	Available N	letwork	Status	Statistics	Wi-Fi Protect Setup	
802.11n/b/g 2c								
	Availat	ble Profi	ile(s)					
	Profi	le Name	3	SSID				Add
	(P) C	herry		Cherr	у			
								Remove
								Edit
								LUIL
								Duntanta
								Duplicate
								Set Default
	1.1							
	•					•		
< >								
Show Tray Icon			[	Disa	ble Ada	pter		Close

Profile Tab	
Profile Name	Here shows a distinctive name of profile in this column.
SSID	The <b>SSID</b> is the unique name shared among all wireless access points in the wireless network.
Add	Click <b>Add</b> button to add a profile from the drop-down screen.

Wireless Network Properties:	
This is a computer-to-computer(ad hoc) network; wireles access points are not used.	35
Profile Name:	
Network Name(SSID):	
Channel: 1 (2412MHz) *	
Wireless network security This network requires a key for the following:	
Network Authentication: Open System	
Data encryption: Disabled	•
Key index (advanced):	
Confirm network key:	
OK <u>Cancel</u>	
This is a computer-to-computer (ad P points are not used: This function is so network type that computers should be communicate to each other directly witt files and printers between each PC and	elected to enable the ad hoc setup at the same channel to hout access point, users can share
Profile Name: Users can enter profile n	name at will.
<b>Network Name (SSID)</b> : The SSID is the (case-sensitive) shared among all wirely network. The name must be identical for points attempting to connect to the same	ess access points in the wireless or all devices and wireless access
<b>Channel:</b> If set to ad hoc network type pull-down menu.	, user can select channels form the
Wireless network security	
<b>Network Authentication:</b> There are see modes including Open System, Shared WPA 802.1X, WPA2 802.1X and WEB	Key, WPA-PSK, WPA2-PSK,
<b>Data encryption:</b> For Open System, Sk authentication mode, the selection of en WPA-PSK, WPA2-PSK, WPA 802.1X mode, the encryption type supports both	acryption type is WEP. For and WPA2 802.1X authentication
When encryption is set to WEP	
<b>ASCII:</b> Only valid when using WEP enlength is set to 64 bits user can enter 5 A and 128 bits for 13 ASCII characters (ca	ASCII characters (case sensitive),
<b>PASS PHRASE:</b> Only valid when usin When key length is set to 64 bits user ca (0~9, a~f) and 128 bits for 26 Hexadeci	an enter 10 Hexadecimal characters
<b>Key index (advanced):</b> Select 1~4 key must match with the connected AP's ke	-

	When encryption is set to WPA-PSK/ WPA2-PSK			
	Network key: Enter network key at least 8 to 64 characters.			
	Confirm network key: Enter network key again to confirm.			
	When encryption is set to WPA 802.1X/ WPA2 802.1X/ WEP 802.1X			
	When users use radius server to authenticate client certificate for WPA authentication mode (WPA authentication do not support EAP Method-MD5-Challenge).			
	EAP TYPE:			
	• <b>TLS</b> : Transport Layer Security. Provides for certificate-based and mutual authentication of the client and the network. It relies on client-side and server-side certificates to perform authentication and can be used to dynamically generate user-based and session-based WEP keys to secure subsequent communications between the WLAN client and the access point.			
	• <b>LEAP:</b> Light Extensible Authentication Protocol. It is an EAP authentication type used primarily in Cisco Aironet WLANs. It encrypts data transmissions using dynamically generated WEP keys, and supports mutual authentication.			
	• <b>TTLS</b> : Tunnelled Transport Layer Security. This security method provides for certificate-based, mutual authentication of the client and network through an encrypted channel. Unlike EAP-TLS, EAP-TTLS requires only server-side certificates.			
	• <b>PEAP</b> : Protect Extensible Authentication Protocol. PEAP transport securely authentication data by using tunnelling between PEAP clients and an authentication server. PEAP can authenticate wireless LAN clients using only server-side certificates, thus simplifying the implementation and administration of a secure wireless LAN.			
	<ul> <li>MD5: Message Digest Challenge. Challenge is an EAP authentication type that provides base-level EAP support. It provides for only one-way authentication - there is no mutual authentication of wireless client and the network.</li> </ul>			
	<b>Tunnel:</b> This is enabled under TTLS and PEAP type. For TTLS, the selections of tunnel are CHAP, MSCHAP, MSCHAP-V2, PAP. For PEAP, the selections of tunnel are MD5, GTC, TLS and MSCHAP-V2.			
	Username: Enter the username for server.			
	Identity: Enter the identity for server.			
	<b>Domain:</b> Enter the domain of the network.			
	Password: Enter the password for server.			
	Certificate: Choose server that issuer of certificates.			
Remove	Click <b>Remove</b> button to delete selected profile.			
Edit	Click <b>Edit</b> button to edit selected profile.			
Duplicate	Click <b>Duplicate</b> button to copy selected profile.			
Set Default	Click Set Default button to set selected profile to be connected first.			

#### **Available Network**

This page displays the information of surrounding APs from last scan result. The tab lists the information including SSID, Channel, Encryption, Network Authentication, Signal, Type, BSSID, Supported Rate(s), and Mode.

MyComputer	General Profile Available	Vetwork Statu	s Statistics	Wi-Fi Protect Setup			
2 802.11n/b/g 2c	Available Network(s)						
	SSID	Channel	Encryption	Network Authentication	Signa		
	[(a)] ZyXEL	1	None	Unknown	70%		
	(9) ZyXEL-1	1	None	Unknown	60%		
	(9) ZyXEL_3090_AP	3	AES	WPA2 Pre-Shared Key	44%		
	((9)) airlive	4	None	Unknown	26%		
	(e) 412	6	TKIP/AES	WPA Pre-Shared Key/	72%		
	(9) Abocom-Wireless	6	None	Unknown	44%		
	(9) Abocom-Wireless	6	None	Unknown	42%		
	(9) ArthurAP	6	WEP	Unknown	72%		
	[ <sup>(p)]</sup> ZyXEL_3090_62	8	AES	WPA2 Pre-Shared Key	56%		
	(9) mina	9	TKIP	WPA Pre-Shared Key	76%		
	(m) 3GSHARE	10	TKIP	WPA Pre-Shared Key	62%		
	GT2000Adhoc	10	None	Unknown	72%		
	(m) Untitled	10	None	Unknown	88%		
	((a)) ZyXEL	10	None	Unknown	56%		
	((a) ZyXEL	10	None	Unknown	42%		
	(9) Abocom-Wireless	11	None	Unknown	96%		
	(P) Cherry	11	AES	WPA Pre-Shared Key/	100%		
	((9)) airlive	11	None	Unknown	48%		
	<				E.		
		esh		Add to Profile			

#### Network Tab

SSID	Shows the network name of the access points.
Channel	Shows the currently channel in use.
Encryption	Shows the encryption type currently in use. Valid value includes WEP, TKIP, AES, None and TKIP/AES.
Network Authentication	Show the device network authentication.
Signal	Shows transmit power, the amount of power used by a radio transceiver to send the signal out.
Туре	Network type in use, Infrastructure or Ad-Hoc mode.

BSSID	Shows Wireless MAC address.
Supported Rate(s)	Shows the transmitting data rate.
Mode	Supported wireless mode. It may support 802.11b, 802.11g and 802.11n wireless mode.
Refresh	Click Refresh button to search and rescan the available network.
Add to Profile	Select an available network (SSID) on the list and then click Add to Profile button to add it into the profile list.
Note	Double click on item to join/create profile.

#### <u>Status</u>

This tab listed the information about the WLAN Module and connected access point.

Intelligent 11n USB Wire	less LAN Utility	
Refresh( <u>R</u> ) Mode( <u>M</u> ) A	bout( <u>A)</u>	
By MyComputer Burget 802.11n/b/g 2c	General Profile Available Network Status	Statistics Wi-Fi Protect Setup
	Manufacturer NDIS Driver Version Short Radio Header Encryption Authenticate Channel Set MAC Address Data Rate (AUTO) Channel (Frequency)	Intelligent 1084.19.1028.2009 No AES WPA2-PSK FCC 00:E0:4C:71:00:01 Tx:150 Mbps Rx:150 Mbps 11 (2462 MHz)
	Status SSID Network Type Power Save Mode Associated AP MAC Up Time (hh:mm:ss)	Associated Cherry Infrastructure None 00:E0:4C:33:12:01 0:16:34
<ul> <li>✓ III →</li> <li>✓ Show Tray Icon</li> <li>✓ Radio Off</li> </ul>	Disable Ad	apter Close

#### **Statistics**

The Statistics screen displays the statistics on the current network settings.

Intelligent 11n USB Wireles efresh( <u>R</u> ) Mode( <u>M</u> ) Abo		
MyComputer G	eneral Profile Available Network Status Statistics Wi-F	Fi Protect Setup
	Counter Name	Value
	Тх ОК	247
	Tx Error	0
	Rx OK	99
	Rx Packet Count	99
	Rx Retry Rx ICV Error	7
	RX ICV EITOT	0
	Reset	
	<u>.</u>	
<b>&gt;</b>		
Show Tray Icon	Disable Adapter	Close

Statistics				
Тх ОК	Shows information of packets successfully sent.			
Tx Error	Shows information of packets failed transmit after hitting retry limit.			
Rx OK	Shows information of packets received successfully.			
Rx Packet Count	Shows information of packets received successfully.			
Rx Retry	Shows information of packets failed transmit after hitting retry limit.			
Rx ICV Error	Shows information of packets received with ICV error.			
Reset	Click to reset counters to zero.			

#### <u>WPS</u>

The primary goal of Wi-Fi Protected Setup (Wi-Fi Simple Configuration) is to simplify the security setup and management of Wi-Fi networks. The STA as an Enrollee or external Registrar supports the configuration setup using PIN (Personal Identification Number) configuration method or PBC (Push Button Configuration) method through an internal or external Registrar.

Intelligent 11n USB Wire	eless LAN Utility					
Refresh( <u>R</u> ) Mode( <u>M</u> ) Al	bout( <u>A</u> )					
B g MyComputer	General Profile Available Network Status Statistics Wi-Fi Protect Setup					
	Wi-Fi Protected Setup (WPS)					
	An easy and secure setup solution for Wi-Fi network					
	Pin Input Config (PIN) After pushing the PIN button.Please enter the PIN code into your AP.					
	PIN Code: 54285620					
	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     Radio Off	Disable Adapter	•				

WPS Tab	
PIN Code	8-digit numbers. It is required to enter PIN Code into Registrar when using PIN method. When STA is Enrollee, users can use " <b>Renew</b> " button to re-generate new PIN Code.
Pin Input Config (PIN)	Click the <b>Pin Input Config</b> ( <b>PIN</b> ) button to select specific AP to process PIN Config.
Push Button Config (PBC)	Click this button to connect with AP that supported WPS function within two minutes. Meanwhile, the AP should also click the PBC button simultaneously.

#### <u>About</u>

This page displays the information of the WLAN Module Version.



### Switch to AP Mode

To access the soft AP mode, please select the  $\mathbf{Mode}$  on the function list of the Utility to make the

WLAN Module act as a wireless AP.

Intelligent 11n USB Wirele		
Refresh(R) Mode(M) Ab	out(A)	
🖃 😼 My 🗸 Station	e Available Network Status Statistics Wi-Fi Protect Setup	1
Access I	oint Status: Associated	
	Speed: Tx:150 Mbps Rx:150	
	Type: Infrastructure	
	Encryption: AES	
	SSID: Cherry	
	Signal Strength:	100%
	Link Quality:	100%
	Network Address:	
	MAC Address: 00:E0:4C:71:00:01	
	IP Address: 192.168.1.100	
	Subnet Mask: 255.255.255.0	
	Gateway: 192.168.1.123	
	ReNew IP	
( <u> </u>		
Show Tray Icon	Disable Adapter	Close
Radio Off		

## Soft AP mode

#### <u>General</u>

Intelligent 11n USB Wireles						
Refresh( <u>R</u> ) Mode( <u>M</u> ) Abo	Is LAN Utility I I I I I I I I I I I I I I I I I I I					
<ul> <li>✓ III → </li> <li>✓ Show Tray Icon</li> <li>✓ Radio Off</li> </ul>	Disable Adapter     Close					
General						
SSID	Shows the network name of the AP.					
BSSID	Shows the MAC address of the AP.					
Association Table	This table shows the connected client here.					
Config	Click the Config button to set up the Wireless Network Properties.					

Wireless Network Properties:	
This is a computer-to-computer(ad hoc) network; access points are not used.	wireless
Profile Name: Access Point Mode	
Network Name(SSID): Cherry-PC_AP	
Channel: 1 (2412MHz) 🔻	
Wireless network security	
This network requires a key for the following:	
Network Authentication: Open Sy	stem
Data encryption: Disabled	
ASCII	
Key index (advanced):	
Confirm network key:	
OK Cancel	
	change the network name of this access
point.	
Channel: User can select the chanr	nel form the pull-down list.
Wireless network security	
Network Authentication: There a	
modes including Open System, Sha	ared Key, WPA-PSK and WPA2-PSK.
Data encryption: For Open Systen	n and Shared Key authentication mode,
	WEP. For WPA-PSK, WPA2-PSK,
uthentication mode, the encryption	n type supports both TKIP and AES.
When encryption is set to WEP	
	P encryption algorithm. When key
•	r 5 ASCII characters (case sensitive),
nd 128 bits for 13 ASCII character	is (case sensitive).
ASS PHRASE: Only valid when	using WEP encryption algorithm.
	er can enter 10 Hexadecimal characters
0~9, a~f) and 128 bits for 26 Hexa	decimal characters (0~9, a~f).
(advanced), Salact 1 4	key index form the pull-down menu,
nust match with the connected AP'	-
hast match with the connected Af	s key much.
When encryption is set to WPA-F	PSK/ WPA2-PSK
Network key: Enter network key a	t least 8 to 64 characters
onfirm network key: Enter netw	ork key again to confirm.

#### **Advanced**

Intelligent 11n USB Wire		
and the second	bout( <u>A</u> )	
MyComputer	General Advanced Statistics ICS General Beacon Interval DTIM Period: 3 Preamble Mode Short	
< Þ	Set Defaults Apply	
Show Tray Icon Radio Off	Disable Adapter	Close

Advanced	
Beacon Interval	The time between two beacons. (The system default is 100 ms.)
DTIM Period	The delivery traffic indication message (DTIM) is an element included in some beacon frames. User can specify a value from 1 to 255 beacons.
Preamble	Select from the pull-down menu to change the Preamble type into <b>Short</b> or <b>Long</b> .
Set Defaults	Click to use the system default value.
Apply	Click to apply the above settings.

#### **Statistics**

		_
		_
		_
		-
RX ICV Error	0	-
		=
	<u>di di secondo di</u>	
C	_	
Reset		
	Counter Name Tx OK Tx Error Rx OK Rx Packet Count Rx Retry Rx ICV Error Rx ICV Error Reset	Tx OK     3436       Tx Error     0       Rx OK     218       Rx Packet Count     218       Rx Retry     208       Rx ICV Error     0

#### Statistics

Shows information of packets successfully sent.							
Shows information of packets failed transmit after hitting r limit.							
Shows information of packets received successfully.							
Shows information of packets received successfully.							
Shows information of packets failed transmit after hitting re limit.							
Shows information of packets received with ICV error.							
Click to reset counters to zero.							

#### <u>ICS</u>

This page displays setting Internet connection sharing (ICS). Select a sharing public network and click Apply button to make a connection.

Refresh( <u>R</u> ) Mode( <u>M</u> ) Al	bout( <u>A</u> )		
	General Advanced Statistics ICS Setting Internet Connection Sharing (ICS)		
	ConnName Device Name		
	Bluetooth Network       Bluetooth Device (Personal Area Network) #2         Local Area Connection       SiS 900-Based PCI Fast Ethernet Adapter	ŧ2	
	۲		
	Public Network		
	Local Area Connection SiS 900-Based PCI Fast Ethernet Adapter Apply		
< <u> </u>	Disable Adapter		

# For Windows 7

### **Station Mode**

	less LAN Utility	_ <b>_</b> ×
Refresh( <u>R</u> ) Mode( <u>M</u> ) At	bout( <u>A</u> )	
B	General Profile Available Network Status Statistics Wi-Fi Protect Setup	
	Status: Associated	
	Speed: Tx:150 Mbps Rx:150	
	Type: Infrastructure	
	Encryption: AES	
	SSID: Cherry	
	Signal Strength:	92%
	Link Quality:	99%
	Network Address:	
	MAC Address: 00:E0:4C:71:00:01	
	TD Address 102 160 1 102	
	IP Address: 192.168.1.102 Subnet Mask: 255.255.255.0	
	Gateway: 192.168.1.123	
	(	
	ReNew IP	
<ul> <li>Show Tray Icon</li> <li>Radio Off</li> </ul>	Disable Adapter	Close

- Show Tray Icon: Check to show the wireless adapter icon at the tray.
- **Disable Adapter:** Check this to disable the wireless adapter.
- **Radio off:** Check this to turn OFF radio function.
- Close: Click to leave the Intelligent 11n USB Wireless LAN Utility.

#### <u>General</u>

Intelligent 11n USB Wireless LAN Utility									
Refresh( <u>R</u> ) Mode( <u>M</u> ) Al	bout( <u>A</u> )								
B	General Profile Available Network Status Statistics Wi-Fi Protect Setup								
	Status: Associated								
	Speed: Tx:150 Mbps Rx:150								
	Type: Infrastructure								
	Encryption: AES								
	SSID: Cherry								
	Signal Strength: 92	%							
	Link Quality: 99	%							
	Network Address:								
	MAC Address: 00:E0:4C:71:00:01								
	IP Address: 192.168.1.102 Subnet Mask: 255.255.255.0 Gateway: 192.168.1.123								
	citering,								
	ReNew IP								
Show Tray Icon	Disable Adapter								
Radio Off		Close							

The General page displays the detail information of current connection.

General Tab					
Status	Shows the current connected status. If there is no connection, it will show Not Associated. If been connected, the system will show Associated When connecting, the system will show checking Status.				
Speed	Shows the current transmitting rate and receiving rate.				
Туре	Network type in use, Infrastructure or Ad-Hoc.				
Encryption	Shows the encryption type currently in use. Valid value includes WE TKIP, AES, and Not Use.				
SSID	Shows the connected access point network name.				
Signal Strength	Shows the receiving signal strength.				
Link Quality	Shows the connection quality based on signal strength.				
MAC Address	The physical address of the WLAN Module.				
IP Address	Shows the IP address information.				
Subnet Mask	Shows the Subnet Mask information.				
Gateway	Shows the default gateway IP address.				

Renew IP	Renew IP	Click the	Renew	IP	button	to	obtain	IP	address	form	the	connected	
	Kinew II	gateway.											

#### **Profile**

Profile can let users book keeping the favorite wireless setting among home, office, and other public hot-spot. Users may save multiple profiles, and activate the correct one at preference. The Profile manager enables users to **Add, Remove, Edit, Duplicate** and **Set Default** profiles.

Intelligent 11n USB Wire	eless LAN Utility			-	
	bout( <u>A</u> )				
	General Profile	Available Network	Status Statistics	Wi-Fi Protect Setup	
	Available Prof	le(s)			
					Add
	Profile Name				Add
	(P) Cherry	Cherry		[	Remove
					Remove
					Edit
					Euic
					Duplicate
					Set Default
	•		4		
← III →					
Show Tray Icon Radio Off		Disab	le Adapter		Close

Profile Tab	
Profile Name	Here shows a distinctive name of profile in this column.
SSID	The <b>SSID</b> is the unique name shared among all wireless access points in the wireless network.
Add	Click <b>Add</b> button to add a profile from the drop-down screen.

Wireless Network Properties:
This is a computer-to-computer (ad hoc) network; wireless access points are not used.
Profile Name:
Network Name(SSID):
Channel: 1 (2412MHz) v
This network requires a key for the following:
Network Authentication: Open System 💌
Data encryption: Disabled
Key index (advanced): 1 v
Confirm network key:
OK
This is a computer-to-computer (ad hoc) network; wireless access points are not used: This function is selected to enable the ad hoc network type that computers should be setup at the same channel to communicate to each other directly without access point, users can share files and printers between each PC and laptop. Profile Name: Users can enter profile name at will.
<b>Network Name (SSID)</b> : The SSID is the unique network name (case-sensitive) shared among all wireless access points in the wireless
network. The name must be identical for all devices and wireless access
points attempting to connect to the same network.
<b>Channel:</b> If set to ad hoc network type, user can select channels form the pull-down menu.
Wireless network security
<b>Network Authentication:</b> There are several types of authentication modes including Open System, Shared Key, WPA-PSK, WPA2-PSK, WPA 802.1X, WPA2 802.1X and WEP 802.1X.
Data encryption: For Open System, Shared Key and WEP 802.1X
authentication mode, the selection of encryption type is WEP. For WPA-PSK, WPA2-PSK, WPA 802.1X and WPA2 802.1X authentication
mode, the encryption type supports both TKIP and AES.
When encryption is set to WEP
<b>ASCII:</b> Only valid when using WEP encryption algorithm. When key
length is set to 64 bits user can enter 5 ASCII characters (case sensitive), and 128 bits for 13 ASCII characters (case sensitive).
<b>PASS PHRASE:</b> Only valid when using WEP encryption algorithm.
When key length is set to 64 bits user can enter 10 Hexadecimal characters $(0~9, a~f)$ and 128 bits for 26 Hexadecimal characters $(0~9, a~f)$ .
<b>Key index (advanced):</b> Select 1~4 key index form the pull-down menu, must match with the connected AP's key index.

	When encryption is set to WPA-PSK/ WPA2-PSK
	Network key: Enter network key at least 8 to 64 characters.
	Confirm network key: Enter network key again to confirm.
	When encryption is set to WPA 802.1X/ WPA2 802.1X/ WEP 802.1X
	When users use radius server to authenticate client certificate for WPA authentication mode (WPA authentication do not support EAP Method-MD5-Challenge).
	EAP TYPE:
	• <b>TLS</b> : Transport Layer Security. Provides for certificate-based and mutual authentication of the client and the network. It relies on client-side and server-side certificates to perform authentication and can be used to dynamically generate user-based and session-based WEP keys to secure subsequent communications between the WLAN client and the access point.
	• <b>LEAP:</b> Light Extensible Authentication Protocol. It is an EAP authentication type used primarily in Cisco Aironet WLANs. It encrypts data transmissions using dynamically generated WEP keys, and supports mutual authentication.
	• <b>TTLS</b> : Tunnelled Transport Layer Security. This security method provides for certificate-based, mutual authentication of the client and network through an encrypted channel. Unlike EAP-TLS, EAP-TTLS requires only server-side certificates.
	• <b>PEAP</b> : Protect Extensible Authentication Protocol. PEAP transport securely authentication data by using tunnelling between PEAP clients and an authentication server. PEAP can authenticate wireless LAN clients using only server-side certificates, thus simplifying the implementation and administration of a secure wireless LAN.
	<ul> <li>MD5: Message Digest Challenge. Challenge is an EAP authentication type that provides base-level EAP support. It provides for only one-way authentication - there is no mutual authentication of wireless client and the network.</li> </ul>
	<b>Tunnel:</b> This is enabled under TTLS and PEAP type. For TTLS, the selections of tunnel are CHAP, MSCHAP, MSCHAP-V2, PAP. For PEAP, the selections of tunnel are MD5, GTC, TLS and MSCHAP-V2.
	Username: Enter the username for server.
	Identity: Enter the identity for server.
	<b>Domain:</b> Enter the domain of the network.
	Password: Enter the password for server.
	Certificate: Choose server that issuer of certificates.
Remove	Click <b>Remove</b> button to delete selected profile.
Edit	Click <b>Edit</b> button to edit selected profile.
Duplicate	Click <b>Duplicate</b> button to copy selected profile.
Set Default	Click Set Default button to set selected profile to be connected first.

#### **Available Network**

This page displays the information of surrounding APs from last scan result. The tab lists the information including SSID, Channel, Encryption, Network Authentication, Signal, Type, BSSID, Supported Rate(s), and Mode.

	out( <u>A</u> ) General Profile	Available Network	Status	Statistics	Wi-Fi Protect Setup	
802.11n/b/g 2c	aerierai Fronie		Status	SIGUSUCS	WI-FI FIOLECL Setup	
	Available Netv	vork(s)				
	SSID	Cha	nnel	Encryption	Network Authentication	Signa
	[(9]] ZyXEL		1	None	Unknown	58%
	((9) ZyXEL_30	90_AP	3	AES	WPA2 Pre-Shared Key	60%
	((9)) SSID-00C4		5	None	Unknown	92%
	<sup>((9)]</sup> 412		6	TKIP/AES	WPA Pre-Shared Key/	60%
- U	(1) AIR3G_DE	EMO	6	None	Unknown	76%
- U	[(9)] Abocom-	Wireless	6	None	Unknown	48%
- U	((9)] ArthurAP		6	WEP	Unknown	56%
	((9) 3GDEMO	WR5204U	7	AES	WPA Pre-Shared Key	58%
	((9) ZyXEL_30	90	8	AES	WPA2 Pre-Shared Key	58%
- U	((ๆ)) mina		9	TKIP	WPA Pre-Shared Key	100%
	((9) 3GSHARE		10	TKIP	WPA Pre-Shared Key	62%
- U	((9)) Untitled		10	None	Unknown	92%
	((a)) Abocom-	Wireless	11	None	Unknown	92%
- U	(P) Cherry		11	AES	WPA Pre-Shared Key/	62%
- U	((9)) ZyXEL		11	None	Unknown	74%
- U	((q)) airlive		11	None	Unknown	76%
- II	((q)) x1		11	None	Unknown	26%
- U	<sup>((ຊ))</sup> x2		11	None	Unknown	42%
		Refresh			Add to Profile	
	Note					
	Double	click on item to joi	n/crea	te profile.		
• <u> </u>						
Tray Icon		Disa	able Ad	apter		Close

#### **Network Tab**

SSID	Shows the network name of the access points.
Channel	Shows the currently channel in use.
Encryption	Shows the encryption type currently in use. Valid value includes WEP, TKIP, AES, None and TKIP/AES.
Network Authentication	Show the device network authentication.
Signal	Shows transmit power, the amount of power used by a radio transceiver to send the signal out.
Туре	Network type in use, Infrastructure or Ad-Hoc mode.

BSSID	Shows Wireless MAC address.
Supported Rate(s)	Shows the transmitting data rate.
Mode	Supported wireless mode. It may support 802.11b, 802.11g and 802.11n wireless mode.
Refresh	Click Refresh button to search and rescan the available network.
Add to Profile	Select an available network (SSID) on the list and then click Add to Profile button to add it into the profile list.
Note	Double click on item to join/create profile.

#### <u>Status</u>

This tab listed the information about the WLAN Module and connected access point.

Intelligent 11n USB Wire	eless LAN Utility	
Refresh( <u>R</u> ) Mode( <u>M</u> ) Al	bout( <u>A</u> )	
B WyComputer	General Profile Available Network State	us Statistics Wi-Fi Protect Setup
	Manufacturer	Intelligent
	NDIS Driver Version	1086.5.1111.2009
	Short Radio Header	No
	Encryption	AES
	Authenticate	WPA2-PSK
	Channel Set MAC Address	FCC 00:E0:4C:71:00:01
	Data Rate (AUTO)	Tx:120 Mbps Rx:120 Mbps
	Channel (Frequency)	11 (2462 MHz)
	chainer (requerey)	
	Status	Associated
	SSID	Cherry
	Network Type	Infrastructure
	Power Save Mode	None
	Associated AP MAC	00:E0:4C:33:12:01
	Up Time (hh:mm:ss)	0:22:28
<b>∢ </b>		
Show Tray Icon	Disable A	Adapter Close
Radio Off		

#### **Statistics**

The Statistics screen displays the statistics on the current network settings.

	pout( <u>A</u> )		
	General Profile Available Network Status Statistics V	Vi-Fi Protect Setup	
002.111/b/g2c			
	Counter Name	Value	
	Tx OK	250	
	Tx Error	0	
	Rx OK	52	
	Rx Packet Count	52	
	Rx Retry	50	
	Rx ICV Error	0	
	Reset		
	Reset		
Show Tray Icon			
Show Tray Icon	Disable Adapter		Close

Statistics	
Тх ОК	Shows information of packets successfully sent.
Tx Error	Shows information of packets failed transmit after hitting retry limit.
Rx OK	Shows information of packets received successfully.
Rx Packet Count	Shows information of packets received successfully.
Rx Retry	Shows information of packets failed transmit after hitting retry limit.
Rx ICV Error	Shows information of packets received with ICV error.
Reset	Click to reset counters to zero.

#### <u>WPS</u>

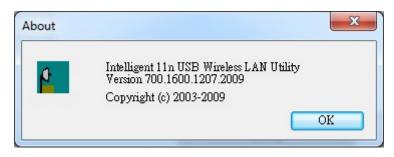
The primary goal of Wi-Fi Protected Setup (Wi-Fi Simple Configuration) is to simplify the security setup and management of Wi-Fi networks. The STA as an Enrollee or external Registrar supports the configuration setup using PIN (Personal Identification Number) configuration method or PBC (Push Button Configuration) method through an internal or external Registrar.

Intelligent 11n USB Wire	eless LAN Utility			
Refresh( <u>R</u> ) Mode( <u>M</u> ) A	bout( <u>A</u> )			
B. g MyComputer	General Profile Available Network Status Statistics Wi-Fi Protect Setup			
802.11n/b/g 2c				
	Wi-Fi Protected Setup (WPS)			
	An easy and secure setup solution for Wi-Fi network Pin Input Config (PIN)			
	After pushing the PIN button.Please enter the PIN code into your AP.			
	PIN Code : 43022793			
	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 Radio Off	Disable Adapter     Close			

WPS Tab	
PIN Code	8-digit numbers. It is required to enter PIN Code into Registrar when using PIN method. When STA is Enrollee, users can use " <b>Renew</b> " button to re-generate new PIN Code.
Pin Input Config (PIN)	Click the <b>Pin Input Config</b> ( <b>PIN</b> ) button to select specific AP to process PIN Config.
Push Button Config (PBC)	Click this button to connect with AP that supported WPS function within two minutes. Meanwhile, the AP should also click the PBC button simultaneously.

#### <u>About</u>

This page displays the information of the WLAN Module Version.



### Switch to AP Mode

To access the soft AP mode, please select the **Mode** on the function list of the Utility to make the WLAN Module act as a wireless AP.

Intelligent 11n USB Wireless	s LAN Utility	- • ×
Refresh(R) Mode(M) Abou	t(A)	
🖃 😼 My C 🗸 Station	e Available Network Status Statistics Wi-Fi Protect Setup	
Access Point	t Status: Associated	
	Speed: Tx:120 Mbps Rx:120	
	Type: Infrastructure	
	Encryption: AES	
	SSID: Cherry	
	Signal Strength: 76%	,
	Link Quality: 1009	%
	Network Address: MAC Address: 00:E0:4C:71:00:01	
	MAC AUGUSS 00.20,4C./1.00.01	
	IP Address: 192.168.1.102	
	Subnet Mask: 255.255.255.0	
	Gateway: 192.168.1.123	
	ReNew IP	
	ICCIVERY IF	
< <u> </u>		
Show Tray Icon Radio Off	Disable Adapter	Close

## Soft AP mode

#### <u>General</u>

Intelligent 11n USB Wirele	ess LAN Utility
Refresh(R) Mode(M) Abo	out( <u>A</u> )
	General Advanced Statistics ICS SSID: Abocom-PC_AP BSSID: 00:E0:4C:71:00:01 Association Table
	AID       MAC Address       Life Time         Image: Config       Image: Config
Show Tray Icon	Disable Adapter     Close
General	
SSID	Shows the network name of the AP.
BSSID	Shows the MAC address of the AP.
Association Table	This table shows the connected client here.
Config	Click the Config button to set up the Wireless Network Properties.

Wireless Network Properties:
This is a computer-to-computer(ad hoc) network; wireless access points are not used.
Profile Name: Access Point Mode
Network Name(SSID): Abocom-PC_AP
Channel: 1 (2412MHz) -
Wireless network security This network requires a key for the following:
Network Authentication: Open System
Data encryption: Disabled
Key index (advanced):
Confirm network key:
OK
oint. Channel: User can select the channel form the pull-down list. Wireless network security Network Authentication: There are several types of authentication modes including Open System, Shared Key, WPA-PSK and WPA2-PSK. Data encryption: For Open System and Shared Key authentication mode, ne selection of encryption type is WEP. For WPA-PSK, WPA2-PSK, uthentication mode, the encryption type supports both TKIP and AES.
Vhen encryption is set to WEP
<b>SCII:</b> Only valid when using WEP encryption algorithm. When key ength is set to 64 bits user can enter 5 ASCII characters (case sensitive), nd 128 bits for 13 ASCII characters (case sensitive).
<b>ASS PHRASE:</b> Only valid when using WEP encryption algorithm. When key length is set to 64 bits user can enter 10 Hexadecimal characters 0~9, a~f) and 128 bits for 26 Hexadecimal characters (0~9, a~f).
<b>Key index (advanced):</b> Select 1~4 key index form the pull-down menu, nust match with the connected AP's key index.
Vhen encryption is set to WPA-PSK/ WPA2-PSK
Network key: Enter network key at least 8 to 64 characters.
Confirm network key: Enter network key again to confirm.

#### <u>Advanced</u>

Intelligent 11n USB Wire	eless LAN Utility	
Refresh(R) Mode(M) A MyComputer 802.11n/b/g 2c	bout(A) General Beacon Interval ↓100 DTIM Period: 3 Preamble Mode Long ▼	
< Þ	Set Defaults Apply	
Show Tray Icon Radio Off	Disable Adapter	Close

Advanced	
Beacon Interval	The time between two beacons. (The system default is 100 ms.)
DTIM Period	The delivery traffic indication message (DTIM) is an element included in some beacon frames. User can specify a value from 1 to 255 beacons.
Preamble	Select from the pull-down menu to change the Preamble type into <b>Short</b> or <b>Long</b> .
Set Defaults	Click to use the system default value.
Apply	Click to apply the above settings.

#### **Statistics**

efresh( <u>R)</u> Mode( <u>M</u> ) About(	<u>A)</u>		
MyComputer 802.11n/b/g 2c	eral Advanced Statistics ICS		
	Counter Name	Value	
	Tx OK	785	
	Tx Error	0	
	Rx OK	136	
	Rx Packet Count	136	
	Rx Retry	123	
	Rx ICV Error	0	
	Reset		
	Disable Adapter		

#### Statistics

Shows information of packets successfully sent.	
Shows information of packets failed transmit after hitting retry limit.	
Shows information of packets received successfully.	
Shows information of packets received successfully.	
Shows information of packets failed transmit after hitting retry limit.	
Shows information of packets received with ICV error.	
Click to reset counters to zero.	

#### <u>ICS</u>

This page displays setting Internet connection sharing (ICS). Select a sharing public network and click Apply button to make a connection.

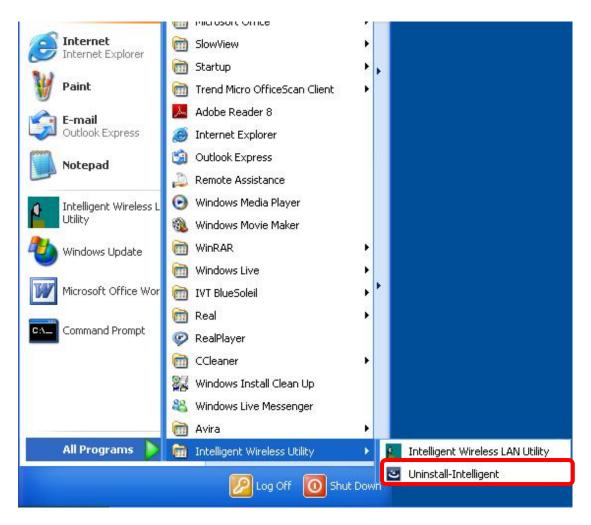
Intelligent 11n USB Wire	and the second se
Refresh(R) Mode(M) At	General Advanced Statistics ICS Setting Internet Connection Sharing (ICS)
	ConnName Device Name Connection Atheros L1 Gigabit Ethernet 10/100/1000Base-T Con Connection Atheros L1 Gigabit Ethernet 10/100/1000Base-T Connection Atheros L1 Gigabit Ethernet 10/100/1000Base-T Connection Atheros L1 Gigabit Ethernet 10/100/100/1000Base-T Connection Atheros L
< Þ	Apply
<ul> <li>Show Tray Icon</li> <li>Radio Off</li> </ul>	Disable Adapter Close

# **Chapter 5: Uninstall**

# For Windows 2000/XP

To remove the utility and driver, please refer to below steps. (When removing the utility, the driver will be removed as well.)

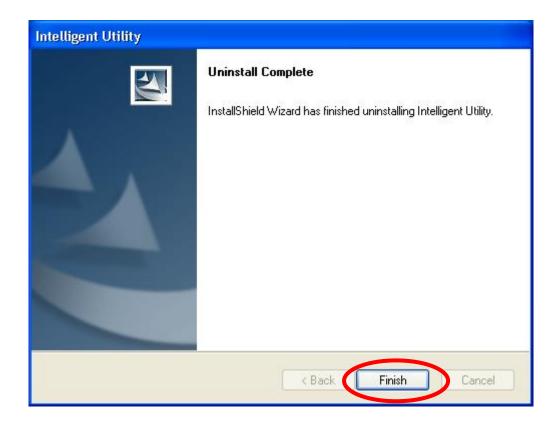
1. Go to Start →All Programs →Intelligent Wireless Utility→ Uninstall –Intelligent.



2. Click **Yes** to completely remove the selected application and all of its features.



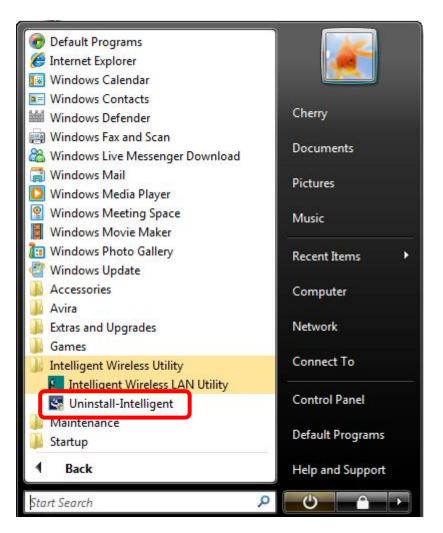
3. Then click **Finish** to complete uninstall.



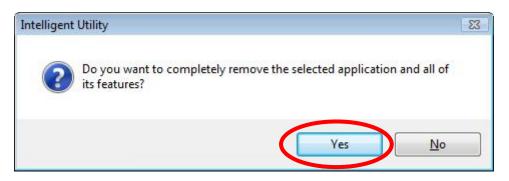
# For Windows Vista

To remove the utility and driver, please refer to below steps. (When removing the utility, the driver will be removed as well.)

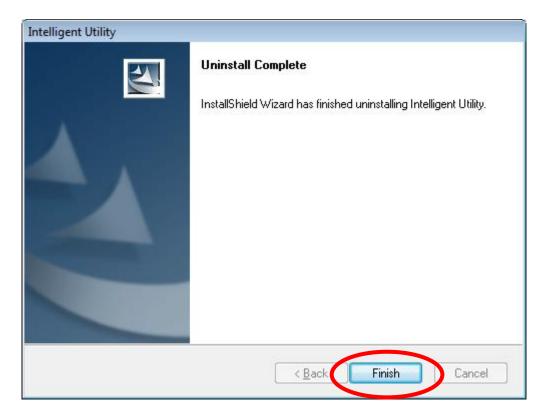
1. Go to Start → Programs →Intelligent Wireless LAN Utility→ Uninstall –Intelligent.



2. Click **Yes** to complete remove the selected application and all of its features.



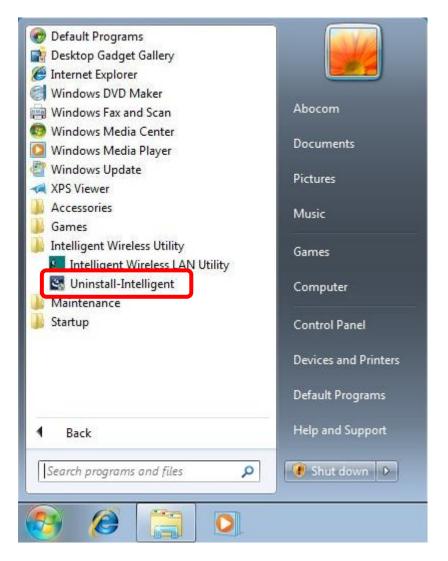
3. Finally, click **Finish** to complete uninstall.



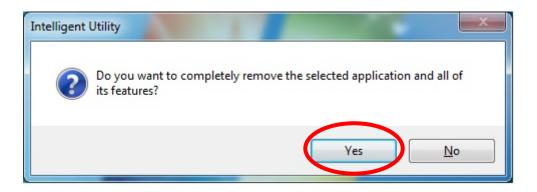
# For Windows 7

To remove the utility and driver, please refer to below steps. (When removing the utility, the driver will be removed as well.)

1. Go to Start → Programs →Intelligent Wireless Utility→ Uninstall –Intelligent.



2. Click **Yes** to complete remove the selected application and all of its features.



3. Finally, click **Finish** to complete uninstall.

