<u>MW302-P</u> Wireless LAN Configuration Utility

1. Wireless LAN Configuration Utility

Introduction

The Wireless LAN Configuration Utility is a powerful application that helps you to configure WLAN card and monitor the statistics of the communication status. Unlike the standard method of configuring the card via the operating system utilities, this application permits the dynamic modification of the configuration parameters while the card is operating. It also offers more configuration options. INPROCOMM offers the Wireless LAN Configuration Utility for Windows 95/98/Me/2000/XP.

1.1 How to Install the Driver

Insert the WLAN card into computer. Assign the install path to D:\ IPN2120driver, choose the proper directory of OS. Windows will proceed with installing of driver.

1.2 How to Install the Wireless LAN Configuration Utility

Double click the "setup" located in "Wireless LAN Configuration Utility\"



The program will automatically proceed with installing

nstallShield Wizard	
	Preparing to Install
	Wireless LAN Configuration Utility Setup is preparing the InstallShield Wizard, which will guide you through the program setup process. Please wait.
	Configuring Windows Installer
	Cancel

Press "Next" to continue the install shield



Press "Yes" to continue installing

Instansing	eld Wizard			
License Please	Agreement read the following licens	e agreement carefully.		
Press I	the PAGE DOWN key to	see the rest of the agree	ment.	
				<u>.</u>
		\searrow		
				<u> </u>
l Do uoi	Laccent all the terms of th	he preceding License Ac	reement? If you choo	nse No the
Do you setup (u accept all the terms of t will close. To install Wirel	ne preceding License Ag ess LAN Configuration S	reement? If you cho tility, you must accept	ose No, the t this agreement
l Do you setup i InstallShield	u accept all the terms of t will close. To install Wirel i	ne preceding License Ag ess LAN Configuration d	reement? If you chor tility, you must accept	ose No, the t this agreement.

Press "Browse" to choose the destination that you require to install, then press "Next"

InstallShield Wizard	
Choose Destination Location Select folder where Setup will install files.	
Setup will install Wireless LAN Configuration U	Itility in the following folder.
To install to this folder, click Next. To install to another folder.	a different folder, click Browse and sel
Destination Folder	
C:\\Wireless LAN Configuration Utility\	Brow
InstallShield	

Choose "Next"



Install Shield is installing the program.

InstallShield Wizard	×
Setup Status	
Wireless LAN Configu	tion Utility Setup is performing the requested operations.
	100%
InstallShield	
	Lancel

Press "Finish" to complete the installing

InstallShield Wizard	
E	InstallShield Wizard Complete
	Setup has finished installing Wireless LAN Configuration Utility on your computer.
	K Back Finish Cancel

1.3 Using the Wireless LAN Configuration Utility

The Wireless LAN Configuration Utility appears as an icon on the system tray of Windows while the card is running. You can open it by clicking on the icon.



While the station is in infrastructure mode and not associated to an Access Point, the color of the icon is red. As soon as the station associates to an Access Point, the icon color automatically turns to "**Green**". In Ad-Hoc mode the color is always Green, except when the card is resetting and initializing where it turns to "**Purple**" during the reset and initialization procedure.

The Wireless LAN Configuration Utility is a highly integrated application include the following options (tabs),

- General
- Statistics
- Site Survey
- Encryption
- Advanced
- About

General

A typical screen of the application in Infrastructure mode is shown in Figure 1-1. The configuration parameters are shown at the top of the screen.

- 1. Network Type
- 2. SSID
- 3. Channel (Only available in Ad-Hoc mode)
- 4. Desired Rate
- 5. Profile
- 6. Status
- 7. Network Address

In order to change the configuration parameters press the "Change" button to make your changes and then press "Apply" in order to save your changes.

Network Type Infrastructure Name FAE Test	•
Channel 6 E	elete
Desired Rate Automatic	
 Status Network Address Connected: 00-02-DD-30*86-1F MAC 00-08-22-FF-00-37 Tx Link Speed: 11 Mbps DHCP Enabled IP Signal Strength 85 % Subnet 255.255.05 Link Quality Gateway 192.168.1.254	
DNS 192.168.1.7	

Figure 1-1. Typical screen of the Wireless LAN Configuration Utility in Infrastructure mode.

Status section shows the current link information of Network, Signal Strength and Link Quality.

Network Address section shows the current Network status such as MAC address (Wireless Card), DHCP (Enable or not), IP address, Subnet Mask address, Gateway Address and DNS server address.

Profile section: INPROCOMM Wireless LAN Configuration Utility provides the easy to use profile function. Profile memorize the Network settings include Network Type, SSID, Desired Rate and Encryption Key.

User can enter profile name of current setting (Up to 10 sets). Users can recall the settings by clicking the scroll button or "Right- Glicking" the icon in system tray then choose the proper profile list.



Statistics

This option enables you to view the available statistic information (Total Packet Number, Error Packet Number, FER-Frame Error Rate, Throughput). In order to reset or update this statistics list, press the "**Reset**" button".

INPROCOM	IM Wireless LAN Configu	ration Utility		×
General	Statistics Site Survey E	ncryption Advanced	About	1
		Tx	B×	
	Total Packet Number	0	3	
	Error Packet Number	0	O	
	FER (%)	0.00	0.00	
	Throughput (Kbps)	0.00	1.78	
		(Beset	
			Heset	
IN	PROCOMM	OK Car	ncel App	aly
IN	PROCOMM	OK Car	ncel App	aly

Figure 1-2. Statistic information available

Site Survey

By choosing the **Site Survey** option, you can scan all the channels to find all the access points within the range of your card. In Figure 1-3, the list includes information about the BSSID and SSID of the access point(s), the Channel, Mode (Network Type), whether or not WEP encryption is used, signal strength and Support Rate. In order to update this list, press the "**Rescan**" button. If you want to associate with any of the access point(s) listed, Double-clicking on your choice and the system will take you back to the **General** screen showing you the parameters of the connection newly established.

BSSID	SSID	Ch	Mode	W	Signal	
2e-5c-4f-69-3f-f7 00-02-dd-30-86-1f	adhoc FAE Test	1 6	Ad hoc Infrastructure	On Off	32 % 57 %	1M 1M
<u> </u>	2	55				
also the basic	the support ra c rate	te is	\mathcal{C}	Res	scan	

Figure 1-3. Site Survey Option

Encryption

By choosing this option, you can set 4 different WEP keys and specify which one of them to use. If you decide to use encryption, you can choose any of the available WEP keys (1 to 4) and the "Encryption Key Length". You also have the option to select the "Authentication Type (Open system/Shared key)". In order to take effect of the changes you wish to make, press the "Apply" button at the bottom of the screen.

Aut	Encryption Moc	e Open	system	
⊢ WEP Key I	Entry (hex)		-	/
1. The	radio button s	elected next t	othe Key <mark>ID</mark> is	the default
key 2. Keu	in the kev in he	exadecimal va	ilue, range fro	m 0-f, the 4
sets o	f key should be	in the same l	ength	
Key	1: *******		hint-	
C Key:	2:		40-b encr	it votion
C Keu:	3:	/	-	
C Y-w		/_	_	
(Key	* [
Encryption I	Key Length			
40-bits	O 10	I4-bits		Advanced

Figure 1-4. Encryption

Advanced

Choosing the *Advanced* option, you can change advanced configuration settings, such as the **Power Saving mode**, **Preamble Type**, **Fragmentation Threshold**, and **RTS/CTS Threshold** (See Figure 1-5). Figure 1-5 shows the recommended configuration for the advanced settings. Before selecting Short Preamble, make sure that the other stations and APs are also supporting this feature.

- // 4//			
Power Saving) Disable		
Preamble Type	Long	•	
Fragment Threshold	2346	-	
RTS/CTS	2347	ž	

Figure 1-5. Advanced Settings

About

By choosing this option, you can view basic information about the Utility such as the Driver and Application Version. And you can click the hyperlink to connect the website for technical support.

_ Version		
Driver	1.37.01.2003	
Application	1.18.01.2003	
Link INPR	OCOMM Homepage ROCOMM E-mail	
(C) 2000-20	103. Inprocomm, Inc.	

Figure 1-6. About information