Step 3. Click *Install* and the program will copy the necessary files to the system. The progress indicator shows the installing status.

You may be asked to insert the Windows Setup CD during the installation. Please insert the Setup CD by the onscreen instruction to continue the installation.

IEEE802	. I I D/g Wireless LAN Sorty	ware 3.2.4.19	Instalishield WI	zaro 🔼
Ready to	Install the Program			N.A.
The wiza	rd is ready to begin installation.			
Click Inst	all to begin the installation.			
If you wa exit the r	ant to review or change any of wizard.	your installation	settings, click Back.	Click Cancel to
Te at all the fail				
Instantinera –		< <u>B</u> ack	Instal	Cancel
			(Click
	11b/a Wireless I AN Softw	uare 3.2 & 19	JostallShield Wi	zard.
Installing	IFFE802.11b/a Wireless I A	N Software 3.2	7.4.19	
The prog	ram features you selected are I	being installed.		
13	Please wait while the InstallSh LAN Software 3.2.4.19. This r	iield Wizard insta may take several	lls IEEE802.11b/g W I minutes.	lireless
	Status:			
	Copying new files			

< Back Next > Cancel



Step 4. When the installation is completed, click *Finish*.

The system will restart. Click **Yes** when prompted to reboot the system.



After rebooting, the **MSI Wireless LAN** icon* appears in the status area.

* For more information of the MSI Wireless LAN icon, please see section 4-1.



>>> 3.2 Installing on Windows[®] 2000/XP

Step 1. Insert the driver CD into your CD-ROM drive, and the Setup program should launch automatically.

If the Autorun program doesn't launch, click **Start** at the taskbar and select **Run...**; type *E:\setup.exe* in the Open box and click *OK*, where *E* is your CD-drive.



Windows XP

Click the Install Software button.



The installation screen of Setup program



Step 2. The welcome screen of InstallShield Wizard appears. Click Next.



Read and accept the License Agreement; then, click *Next*.



Enter the user's information (*User Name, Organization*) in the respective fields; then, click **Next**.

	🚏 IEEE802.11b/g Wireless LAN Software 3.2.4.19 - InstallShield Wizard 🛛 🔀
	Customer Information Please enter your information.
Enter the user's	User Name: MSI
information	Qrganization:
	Install this application for:
	Anyone who uses this computer (all users) Only for me (DQA)
	InstallShield Cancel
	Click

Step 3. Click *Install*. When the installation is completed, click *Finish*.





The MSI Wireless LAN icon* appears in the status area.

* For more information of the MSI Wireless LAN icon, please see section 4-1.



MSI Wireless LAN icon

4 MSI Wireless Network Utility

>>> 4.1 Introduction

After installing the driver, MSI MP54G provides a convenient and powerful utility that allows you to set up, configure, and know your networking status easily and clearly.

The MSI Wireless LAN icon



- Not connected to the network.
- Connected to the network.

Receiving/transmitting data from/to the network.

When you move the mouse over the icon, it shows the current connection information.



Right-click the icon will appear a sub-menu containing more settings:



Language

You can select language according to your operating system.

Switch to AP Mode

This function allows you to use your MSI wireless adapter as a virtual access point. For details, see *Appendix, MSI Software AP*.

Open Network Connections

Select to open the Network Connections window.

View Available Wireless Networks

Launch the utility to configure your network settings.

Exit Close the program.

Click the icon will launch the utility as shown below to configure your network settings.

Wireless Network Connect	ion		X		
The following wireless networks network, select it from the list, an	are available. To id then click Con	access a wireless nect.			
Available wireless networks:					
😵 MSI					
This network requires the use of this network, type the key, and o	a network key[v lick Connect.	/EP). To access			
Network key:					
If you are having difficulty conne	cting to a netwo	rk, click Advanced			
Advanced	Connect	Cancel			

>>> 4.2 Networking

Since the wireless NIC is installed in your computer, you have to configure the settings for communication to start working in your network environment.

4.2.1 Infrastructure Mode

Infrastructure mode allows your computer to communicate with the other computers in the network through an Access Point. The following tasks should be done before you configure the settings:

- The Access Point must be turned on.
- Your computer with wireless NIC installed and the Access Point must be located with the communication range of the Access Point (see the Access Point's manual for details).

To configure the settings:

 Click the MSI Wireless LAN icon to bring up the Wireless Network Connection window. Then, click Advanced.

ſ	1	8 80	9 ₂ 5:07 PM
Wireless Network Con	nection	Click	.
The following wireless network, select it from the Available wireless network	vorks are available. To list, and then click Con s:	access a wireless nect.	
X M31			
This network requires the or this network, type the key, Network key:	use of a network key[W and click Connect.	(EP). To access	
If you are having difficulty	connecting to a networ	k, click Advanced.	
Clic	k		

2. The Available Networks field contains a list of available Access Points in your network. Choose one network by highlighting it in the list, and click *Configure* to set up the selected network. You can click *Refresh* to search the available Access Points in the network again.

meress field	ork Connecti	on				
Wireless Netwo	rk Status Infe	ormation			Clie	ck
Available Ne To connect	tworks: to an available n	etwork, click	Configure.			
A MSI			Configure			
			Refresh			
Preferred ne Automatical	works: v connect to ava	ilable networ	ks in the order list	ed		
00,000			Maria	1		
			Move up Move down			
Add	Remov	re Pro	Move up Move down perties			
Add	Remov	re Pro	Move up Move down perties Advanced			

 Setup the Network Key (if needed) in the Wireless Network Key (WEP) field according to the network's settings.

Only the network adminis- trator can change the SSID and WEP settings in the Association window; if you have problem of accessing the network, please ask the administra- tor for help.	Association Network name (SSID): Wireless network key (WEP) This network requires a key for the following: Encryption(WEP enabled) Network Authentication (Shared mode) Network key:
WEP settings	Key format: ASCII characters Key length: 104 bits (13 characters) Key index (advanced): Image: Characters) Image: The key is provided for me automatically Image: The key is provided for me automatically

 Click OK. The selected network will appear in the Preferred Networks field. If it contains two or more networks in the list, you can use Move up/Move down to set the priority.

Association	
Network name (SSID):	
Wireless network key (WEP)	
This network requires a key for the following:	
Encryption(WEP enabled)	Wireless Network Connection
Network Authentication (Shared mode)	Wireless Network Status Information
Network key:	Available Networks: To connect to an available network, click Configure.
Key format: ASCII characters	MSI Configure
Key length: 104 bits (13 characters)	Sefresh
Key index (advanced):	- Professed networks
The key is provided for me automatically	Automatically connect to available networks in the order listed below.
This is a computer-to-computer (ad hoc) network; t	L MSI Move up
	Move down
	Add Remove Properties
	Advanced
	OK Cancel

 Click *OK* to complete the configuration, and an icon indicating connected to the network will appear in the status area.



4.2.2 Ad-hoc Mode

Ad-hoc mode allows your computer to communicate directly with any computer installed with compatible wireless NIC. If you want to use the network in Ad-Hoc mode:

- All the computers connected should be set to Ad-hoc mode.
- The computers have the same SSID (network name) setting.

To configure the settings:

 Click the MSI Wireless LAN icon to bring up the Wireless Network Connection window. Then, click Advanced.

	•	L 3	Click), 5:07 PM
Wireless Network C	onnection	hin To second		
Available wireless netwo	he list, and then clic prks:	sk Connect.		
₽ MSI				
This network requires the	ne use of a network	: key(WEP). To	access	
Network key:	ey, and clock comm			
If you are having difficul Advanced	Ity connecting to a	network, click A	Advanced. Cancel	
Cl	lick			-

2. You can build up the Ad-Hoc network by clicking *Add...* in the Preferred Networks field.

	Wireless Network Connection	×
	Wireless Network Status Information	
	Available Networks: To connect to an available network, click Configure. Configure Refresh	
	Preferred networks: Automatically connect to available networks in the order listed below. Move up	
Click	Add Remove Properties	
	DK Cancel	

 Set up the Network Name (SSID) and Network Key (if needed) for the network. Then, check the "This is a computer-to-computer [ad hoc] network; wireless access points are not used" option and click OK to enable the Ad-Hoc mode.

Euton a Notwork	Association	
Name (SSID)	Network name (SSID):	MSI_adhoc
	Wireless network key (WE This network requires a ke	P) ey for the following:
Check this option	 Encryption(WEP ena	bled)
and cancel the	Network Authenticat	ion (Shared mode)
bottom option	Network key:	
	Key format:	ASCII characters 👻
	Key length:	104 bits (13 characters) 💌
	Key index (advanced):	0 +
	The key is provided fo	r me automatically
<i>IMPORTANT</i> Check this to enable	his is a computer-to-con access points are not us	nputer (ad hoc) network; wireless ed
Ad-Hoc mode.		OK Cancel
		Click

4. The computer set up with this Ad-Hoc network in step 3 is the designated administrator of the network. Any computer can access the network by selecting Connect in the Wireless Network Connection window.

network, select it from the	vorks are available. To access a v list, and then click Connect.	vireless
vailable wireless network	s:	
MSI_adhoc		
letwork key:	and clock connect.	
letwork key:	connecting to a network, click Ad	vanced
letwork key: you are having difficulty Advanced	connecting to a network, click Ad	vanced
letwork key: you are having difficulty Advanced	connecting to a network, click Ad	vanced

5. Click **OK** to complete the configuration, and an icon indicating connected to the network appears in the status area.



>>> 4.3 Encryption

To setup the Network Key, check **Encryption** option first, then cancel **The key is provided for me automati**cally option. In the wireless network environment, the administrator can set up password (Network Key) to protect the network from being attacked or unauthorized access. When building the network, you can set up 4 sets of WEP keys, which can be 5 characters (10 hex-adecimal digital) or 13 characters (26 hex-adecimal digital) and specify one of them to use.

	Association
	Network name (SSID): MSI_adhoc
	Wireless network key (WEP)
	This network requires a key for the following:
Check this	Encryption(WEP enabled)
	Network Authentication (Shared mode)
	Network key:
	Key format: ASCII characters
	Key length: 104 bits (13 characters)
	Key index (advanced):
Cancel this	he key is provided for me automatically
	✓ This is a computer-to-computer (ad hoc) network; wireless access points are not used
	OK Cancel

Network key

Enter a key for the network.

Key format

You can decide the network key to be encoded by ASCII characters or hexadecimal digitals.

Key length

In ASCII characters format, it can be 5 or 13 characters. In hexadecimal digitals format, it would be 10 or 26 digitals.

Key index

There can be up to 4 sets of WEP key $(1\sim 4)$. The 4 sets of WEP key must have the identical sequence with the key settings on the Access Point.

>>> 4.4 Status

	Wireless Network Connection			
	Wireless Net	Wireless Network Status Information		
	Channy Speed: Radio: SSID: MAC ac	et 6 36Mbps 0n MSI ddess: 00:10:DC:68:19:1	V Change V Submi V Cancel Advance 0	
Signal Strength: shows the received signal strength level. Link Quality: shows the measured signal level and connection status.	Packet Signal	ss: 192198,0,101 Senk Strength: Strength: Cocellent(-37 d)	Received 391 bm) DK Cancel	

In Status tab, you can configure more network settings.

Channel

Specify the operating radio frequency channel in Ad-hoc mode, which should be set to the same channel as the other points in the wireless network.

Speed

This field sets the current transmitting rate. The speed should be set to *Auto* rate to optimize performance and range, which will adjust the transfer speed for best performance and longest range automatically.

Radio

Set to On to activate the radio.

SSID

Means Service Set Identifier, a unique name shared among all points in a wireless network. It must be identical for all points in the network. Then the card will be able to connect to an access point with the same SSID. Click *Advance*, and you can get more information about the LAN traffic status and more detailed settings.

Advance Settings					×			
	Visi	ble site:					Refresh	
	S	SID	Channel	Signal Stren	WEP	MAC Add	ress	
	Å	MSI	6	-31	No	00:80:C8:	0A:04:B4	
		Selected netv	vork:					
	Standard: 802.11b and 802.11g							
	Supported rates: 1, 2, 5.5, 11, 6, 12, 24, 36Mbps							
	Fragmentation threshold:					5		
		RTS thresho	ld:		2347		5	
		Preamble typ	e:	Auto	•			
		Country:		Worldwide	Ŧ			
		Power save:		Off	•			
	OK Cancel							

It is not recommended to change these settings if you are not familiar with the advanced configuration.

Fragmentation Threshold

You may set the length of the fragment in this field. Please note that each fragment should not be larger than the Fragmentation Threshold.

RTS/CTS Threshold

You may set the length threshold.

Preamble Type

You may set the length of preamble in this field. Setting options are: *Long* - it is set to 144 bits. *Short* - it is set to 72 bits. *Auto* - The card supports an auto-detection feature, it automatically selects the *Preamble Type* depending on the Access Point Preamble Type if this option is selected.

Country

Select one option according to your location you are in. The options are: **Worldwide 1-13**, **Japan 1-13**, and **USA 1-11**. The default setting is **Worldwide 1-13**.

Power save

The card will turn into power save mode when idle.

>>> 4.5 Information

In **Information** tab, you can get some information about the manufacturer, hardware and software.

Wireless Network Con	nection		×		
Wireless Network Sta	atus Information		1		
MSI Wireless LAN U Copyright(C) 2002, M <u>http://www.msi.com</u>	Communication				
Hardware Information:					
Software Information	n				
Driver Version:	3.20.23.0				
Applet Version:	1.9.27.45				
Applet Date:	2003/07/15				
	0K	Cance			