TEW-222CF

IEEE802.11b 11Mbps CompactFlash Card

User Guide

Doc. No.: 090402-02

REGULATORY STATEMENTS

FCC Certification

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

Part15, Class B

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

- 1) This device may not cause harmful interface, and
- 2) This device must accept any interface received, including interface that may cause undesired operation. This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy, and if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning off and on, the user is encouraged to try to correct the interference by one or more of the following measures:
- ? Reorient or relocate the receiving antenna.
- ? Increase the distance between the equipment and receiver.
- ?? Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

CAUTION:

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

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INTRODUCTION

A wireless LAN is like a regular LAN, except that you can share information without looking for a place to plug in, and augment networks without installing or moving wires. Based on radio frequency (RF) technology, a wireless LAN transmits and receives data over the air, along with the guarantee to provide privacy and noninterference by the use of separate radio frequency.

The 802.11b Wireless CompactFlash Card is the perfect solution for your wireless network applications and based on the IEEE 802.11b standard offering a data rate of 11Mbps in a wireless LAN environment. It is a high-speed wireless network card that connect directly to your PDA or Notebook (with a passive adapter)—just plug it in and you're ready to share data, printers, or high speed Internet access over your existing wireless network. User-friendly software makes it simple to set up.

Features

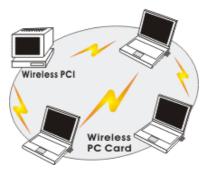
- Compliant with IEEE 802.11b standard for 2.4GHz Wireless LAN
- Compliant with Compact Flash Type I Standard
- Compatible with Windows CE 3.0
- Compatible with Windows 98/ME/2000/XP (with a passive adapter)
- #Plug-and-play operation provides easy setup Works with all existing network infrastructure

- Compatible with specific wireless products and services
- See Capable of up to 128-Bit WEP Encryption
- #Freedom to roam while staying connected
- #11 Mbps High-Speed Transfer Rate
- Rich diagnostic LED indicators with built-in Antenna
- Lower power consumption and power save mode
- Easy to install and configure

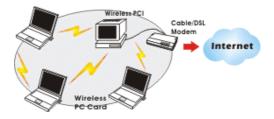
Wireless Network Options

The Peer-to-Peer Network

This network installation lets you set a small wireless workgroup easily and quickly. Equipped with Wireless CompactFlash Cards or wireless PCI, you can share files and printers between each PC and laptop.

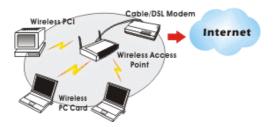


Or you can use one computer as an Internet Server to connect to a wired global network and share files and information with other PCs via a wireless LAN.



The Access Point Network

The network installation allows you to share files, printers, and Internet access much more conveniently. With Wireless CompactFlash Cards, you can connect wireless LAN to a wired global network via an **Access Point**.



LED Indicators

Link: Orange (On/Blink)

Access Point Mode

Glow - linking to an Access Point.

Blink – searching for Access Points in the networks.

Peer-to-Peer Mode

Glow – forming a Basic Service Set or joining to a Basic Service Set.

Blink – searching for other wireless LAN cards in the wireless network.

Act: Green (ON/OFF)

Transmitting/receiving wireless data.

FOR WINDOWS CE3.0

Software Installation

Connect your PDA to your PC. Make sure you have the Microsoft ActiveSync Utility installed on your PC to make an active connection.

Caution: DO NOT insert the Wireless CompactFlash Card into the PDA **BEFORE** installing the configuration utility.

- 1. Insert the device driver CD into the CD-ROM drive.
- 2. Open the WINCE3.0 folder.

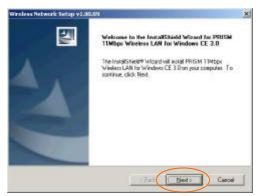


3. Inside the **WINCE3.0** folder, click on **PrismForPocketCE**.

For Handheld PC users: Please select PrismForHandHeldCE.

Galaceso		.10 ×
Die Dat jeun Pavartes Cook	()wip	10
4 tak + + - 1 Decort 3	rideo (Stater 3 3	X in 🗇
Adama VINCENO		• j= j= j=
WINCE3.0	PasseFolHad	
Prieur/urPacketEE Application		
Maddhed: 7/04/2062 2:03 PPI		
Sza: 4.97 MD		
Attributes: (normal)		
20		
Type: Application Stati 1 57 MD	4.9798	Hy Computer

4. Click Next to continue.



5. Click OK.



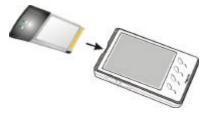
6. Click Finish.

Wreless Network Setup v1.0	0.69
21	InstallShield Winard Complete
	S etup has finished installing PRISN 11Mbps Windows LAN for Windows CE 3.D on your computer.
	You can now use the control panel applet on your Windows CE device to configure your network cettings.
	Back Frink Canal

 You can now insert the Wireless CompactFlash Card into the PDA. Then use the Settings on your Windows CE to configure the network settings.

Hardware Installation

Insert the Wireless CF card into the Windows CE-based PDA by aligning the Wireless CF card toward the CF slot.



Network Connection

Once the driver has been installed, you must make some changes to your network settings.

1. Go to Start ∠ Settings ∠ Connections. Click on Network Adapters.



2. Highlight **PRISM 11Mbps Wireless LAN** Adapter, click **Properties**.



3. *«* Use server-assigned IP address

If your network supports DHCP, select **Use** server-assigned **IP** address. The IP address and other information will be automatically assigned. Then click ok.

🎊 Settir	105			€ 1:36	@
~	Mpbs Wirel	ess			
Use server-assigned IP address					
🔿 Use sp	pecific IP ad	dres	5		
IP	address:]
Subr	iet mask:				Ī
Default ç	jateway:]
		_	_		
IP Address	Name Serve	rs			

If your network does not support DHCP, select **Use specific IP address**. You may need to enter the IP address and other information. When you have finished entering settings, click **OK**.

🔊 Settings ◀€ 1:37 🕢					
PRISM 11Mpbs Wireless LAN Adapter					
Use server-assigned IP address					
Use specific IP address					
IP address:					
Subnet mask:					
Default gateway:					
IP Address Name Servers					

If you forget to click **OK**, your settings will not take effect!

 A message as below may appear saying you must remove and re-insert the Wireless CompactFlash Card to have the changes take affect. Click **OK**.



Configuration Utility

After installing the Wireless CompactFlash Card's driver successfully, go to **Start** $\not <$ **Programs**. Click on **PRISM Settings**, the **Network Status** icon will appear in the task bar.



Network Status Icon & Icon Menu

The Status Icon

Icon	Link Status
4	Green indicates a strong link.
$\mathbf{\mathbf{\mathbf{\mathbf{\mathbf{\mathbf{\mathbf{\mathbf{\mathbf{\mathbf{\mathbf{\mathbf{\mathbf{\mathbf{\mathbf{\mathbf{\mathbf{\mathbf{$	Yellow indicates a weak link.
¥	Red indicates no or a very poor link.

Icon Menu

After clicking on the icon, the icon menu as displayed below will prompt you to configure the Wireless CompactFlash Card.



Items	Description
Wireless Radio On	These two items allows you
Wireless Radio Off	to enable or disable the wireless radio.
Remove Status Icon	Removes the Utility icon from the PDA's system tray. Each time you power on your PDA, the icon will reappear.
Wireless Network	Clicking these items will
Status	launch the Wireless
Advanced Configuration	Settings window, as described below.
WEP Encryption	
Version	
Information	

All settings are categorized into 5 tabs:

Link Configuration Encryption Site Survey About

Link

The **Link** tab provides you the status of the Wireless CompactFlash Card.

🎊 PRISM Settings	◀€ 1:21 🐽
State: Associated - 00:E0	:98:9F:D3:24
Current Channel: 10	Disable Radio
Current Tx Rate: 11 Mb/s	ec <u>R</u> escan
Throughput (bytes/sec) — Tx: 0 Rx:	335
Link Quality: Excellent	(100%)
Signal Strength; Excellent	(100%)
Link Configuration Encryp	ition Site Sur

Item	Description		
State	It displays the connection state of the Wireless CompactFlash Card with the wireless network.		
Current Channel	It displays the selected channel that is currently used. (There are 14 channels available, depends on the country.)		
Enable Radio / Disable Radio	Click this button to enable/disable the wireless radio. The Wireless CompactFlash Card will connect/disconnect with the wireless network.		
Rescan	Search for all available networks. Clicking on the button, the device will start to rescan.		

Item	Description
Current Tx Rate	It displays the current transfer rate.
Throughput	It dsplays the transferring (Tx) and receiving (Rx) data rate in bytes per second.
Link Quality	It displays the link quality of the connection between the Wireless CompactFlash Card and the Access Point or Peer-to-Peer type it connects.
Signal Strength	

Configuration

The **Configuration** tab allows to set parameters for the Wireless CompactFlash Card.

🎊 PRISM Sett	ings	◀€ 1:22	•
Profile Name:	Default	- 	•
Network <u>N</u> ame:	any	ş	•
Network <u>T</u> ype:	Access Point		•
<u>T</u> ransmit Rate:	Fully A	utomatic	•
Defaults	Undo	Apply	
Link Configuratio	n Encryption	n Site Sur	

D (#1	-	
Profile	Saves values for all previous setting	
	parameters. The default values	
Name	contain the parameters configured at	
	installation.	
	Once the demands for switching	
	between different networking	
	environments are required, you can also set the additional profiles to	
	also set the additional profiles to eliminate the configuration time. To	
	save the current parameters, highlight	
	the Profile field, type a new name,	
	and click on the Apply button.	
Network	A specific name shared among	
Network Name	connected Wireless CompactFlash	
Name	Card, Access Points and other	
	wireless stations on the wireless	
	network. The name must be	
	identical for all devices and points	
	attempting to connect to the same	
	network. The default name is ANY .	
	To change the Network Name, simply	
	enter a new name in the field. It displays the type of BSS.	
Network	Access Point: allows the Adapter to	
Туре	communicate with a wired network	
	which employing an Access Point.	
	Peer-to-Peer: allows PC-to-PC,	
	station-to-station communication	
	without employing an Access Point.	
Peer-to-Peer	To communicate with other Wireless	
Channel	CompactFlash Card, you must specify	
	the same channel. Click the up and	
	down arrow at the right of the	
	Peer-to-Peer Channel to set the desired channel.	
	It displays the current transmit rate.	
Transmit	1Mb, 2Mb, Auto 1 or 2 Mb, 5.5Mb,	
Rate	11Mb or Fully Automatic)	
Default	Clicks the button to restore to the	
	default settings.	
Undo	Click Undo to ignore the previous	
	setting.	
Apply	Click Apply to activate the settings.	
ok	Click OK to save your changes.	

WEP (Wired Equivalent Privacy) encryption can be used to ensure the security of your wireless network.

🎊 PRISM Settings	4 € 1:23	•
Encryption (WEP): Dis	abled	•
Create Keys with Passph	irase	100
Pa <u>s</u> sphrase:		-0
Create Keys Manually;		
Alphanumeric		
O Hexadecimal		
Key <u>1</u> :		
Key <u>2</u> :		
Key <u>3</u> :		0
Key <u>4</u> :		
Use WEP Key: 1 ♥	Appl	У
Link Configuration Encry	ption Site Sur	4)

Item	Description
Encryption (WEP)	WEP is a data privacy mechanism based on a 64-bit/128-bit shared key algorithm. Under the drop-down box, you can choose to have WEP encryption Disabled , 64 bit, or 128 bit.
Create Keys with Passphrase	A Passphrase can be entered to generate four keys used for WEP. For the easiest configuration, the Passphrase method is recommended.
Create Keys Manually	These four fields can be used to enter WEP keys manually. The method is required to match the keys of other wireless devices on the existing network.

 	Click Alphanumeric if you are using an alphanumeric phrase.
	Click Hexadecimal if you are using a hexadecimal number.
Key 1: Key 2: Key 3: Key 4:	This setting is the configuration key used in accessing the wireless network via WEP encryption.
Use WEP Key	The default key field can be used for specifying which of the four encryption keys to transmit data on the wireless network.
Apply	Click Apply to activate the settings.

🎊 PRISM Settings	📢 1:23 🚳
Encryption (WEP): 54	bit 👻
Create Keys with Passpi Passphrase:	hrase
 Create Keys Manually: Alphanumeric: 5 char Hexadecimal: 10 digition 	
Key <u>1</u> :	
Key <u>3</u> :	
Use WEP Key: 1	Apply
Link Configuration Encry	/ption Site Sur

You must use the same value/phrase and WEP key settings for all wireless computers in order for the wireless network to function well.

Site Survey

The **Site Survey** tab shows all the available Access Points or Peer-to-Peer types and their features.

o connet to an available site testID5	
Pattern	 Rescan
123	■ Connect
KKID10	-
letwork Name: ALBERT-104	

Item	Description
Network Name	The name must be identical for all devices and points attempting to connect to the same network.
BSSID	A set of wireless stations is referred to as a Basic Service Set (BSS). Computers in a BSS must be configured with the same BSS ID.
Channel	It shows the selected channel that is currently used.
Network Type	It displays the type of BSS. Access Point: allows the Adapter to communicate with a wired network which employing an Access Point. Peer-to-Peer: allows PC-to-PC, station-to-station communication without employing an Access Point.

Item	Description
WEP Encryption	It displays the status of WEP Encryption.
Signal Level	It displays the signal strength of the connection between the Wireless CompactFlash Card and the Access Point it connects.
<u>Rescan</u>	Search for all available networks. Clicking on the button, the device will start to rescan and list all available sites.
<u>Connect</u>	To connect with a new access point, highlights the desired one in the left list box and clicks on the Connect button. Wait a while and the selected one will be marked as a current used access point.

About

The **About** tab shows the information and version of the Configuration Utility.

🆅 PRISN	1 Settings	4 € 1:24	œ
47	eless Corporatio		
	ISM Wireless LAN © 2001 Wireless		
Network D	priver	- A. 202 - 31	_
Version:	1.07.37		
Date:	Jul 12 2002		
Configura	tion Utility ——		_
Version:	1.07.37		
Date:	Jul 12 2002		
Software	Suit —		4
Version:	1.00.09		
Date:	Jul 12 2002		-
NIC Firmw	are —		_
Version:	1.04.02.1 00.0	0.00.F1.F1.F1	
Encryption	Site Survey Al		
encryption	SICE SULVEY A		1
			0

FOR NOTEBOOK PC

This section is for users who had the CF to PCMCIA Adapter.

Hardware Installation

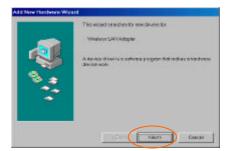
- Plug the Wireless CF card into the PCMCIA Adapter. The Wireless CF card is then turning into a conventional PCMCIA type II PC Card.
- Align the PC Card toward the PC Card slot with brand label facing upward, as shown below.



Software Installation

In Windows 98

 Once the <u>Wireless LAN Adapter</u> is connected to your computer, Windows 98 will automatically detect the new hardware device as shown below. Click Next.



 Insert the device driver CD-ROM into your CD-ROM drive. Click Next.



- 3. Select CD-ROM drive and click Next.
- 4. Click Next.



5. Insert Windows 98SE CD-ROM, and then click **OK**.



6. Click Finish to complete the installation.

Add New Hardware Wi	ard
	Wireless LAN Adapter
	Windows has finished installing the software that your new hardware device requires.
8	
	< Back Finish Cancel

7. Click Yes to restart your computer.



In Windows ME

 Once the <u>Wireless LAN Adapter</u> is well connected to your computer, Windows ME will automatically detect the new device. Select Specify the Location of the driver... and click Next.



 Insert the device driver CD-ROM into your CD-ROM drive on your system. Select Removable Media (Floppy, CD-ROM...) and click Next.

Add New Husbeire Wiga	4
	We down and executive carrier devices as an intervent database as a serier stand drives, and w carry of the following period and incentions.
	Second for the basis of second process devices (Perconduct related)
	P Renovatio Moles (Fellow CD-ROM)
	C Specie a jacobice
S &	DIVA RHVADNE T CONT
**	Capital a lot of all the drivers in a specific location, so you bot second of deveryou wait.
	<back nert=""> Concel</back>

3. Click Next.



4. When the following window appears, click **Finish**.

Add New Hardware Wiz	ard
	Wireless LAN Adapter
	Windows has finished installing the new hardware device.
8	
	< Back Finish Cancel

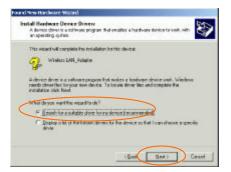
5. Click Yes to restart your computer.

In Windows 2000

 Once the <u>Wireless LAN Adapter</u> is well connected to your computer, Windows 2000 will automatically detect the new device. Click Next.



2. Select **Search for a suitable driver...** and press **Next**.



- Insert the device driver CD-ROM into your CD-ROM drive. Select CD-ROM drive and click Next.
- 4. Click Next to continue.



5. In "**Digital Signature Not Found**" window, click **Yes** to continue.



Click Finish. The software installation is successfully completed.



In Windows XP

- 1. Once the <u>Wireless LAN Adapter</u> is well connected to your computer, Windows XP will automatically detect the new device. Click **Install from a list...** and click **Next.**
- Insert the device driver CD-ROM into your CD-ROM drive on your system. Select Search removable media (floppy, CD-ROM...) and click Next.



3. Click Continue Anyway to proceed.



4. Click **Finish.** The software installation for this network device is now completed.



Network Connection

Once the driver has been installed, you must make some changes to your network settings.

In Windows 98/ME

- 2. Make sure that you have all the following components installed.

Net=ork	? ×
Configuration Identification Access Control	
The following getwork components are installed	
Client for Microsoft Networks	
Ministers LAN Adapter Applementation	
Professional Activity and a second se	
Add. Remove Pippe	ries
Clantfo: Microsoft Networks	-
Elle and Print Sharing	
Description A network adopter to a hardware device that physically an your computer to a network.	rracts
OK	Cancel

- 😹 Wireless LAN Adapter
- # IPX/SPX-compatible Protocol
- 😹 NetBEUI
- # TCP/IP

If any components are missing, click on the **Add** button to add them in. All the protocols and clients required and listed above are provided by Microsoft.

3. After clicking **Add**, highlight the component you need, click **Add**.



4. Highlight **Microsoft**, and then double click on the item you want to add. Click **OK**.

Select Network Protocol	×
	otocol that you want to install, then click OK. If you have r this device, click Have Disk.
Manufacturers:	Network Protocols:
🖗 Banyan	ATM Call Manager
3 IBM	TATM LAN Emulation Client
Y Microsoft	Fast Infrared Protocol
Vovell	FIPX/SPX-compatible Protocol
	Microsoft 32-bit DLC
	Microsoft DLC
	Have Disk
	OK Cancel

- 5. For making your computer visible on the network, enable the **File and Print Sharing**.
- 6. Click the **Identification** tab. Make up a name that is unique from the other computers' names on the network. Type the name of your workgroup, which should be the same used by all of the other PCs on the network.

letwork	X
Configuration Identification Access Control	
Windows uses the following information to identify your computer on the network. Please type a name for this computer, the workgroup it will appear in, and a short description of the computer.	
Computer name:	
Workgroup:	I
Computer Description:	
OK Cancel	

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

Network	? ×
Configuration Identification Access Control	
Control access to shared resources using:	
Share-level access control	
Enables you to supply a password for each shared resource.	
C User-level access control	
Enables you to specify users and groups who have access to each shared resource.	
Obtain list of users and groups from:	
OK Car	ncel

- 8. When finished, reboot your computer to activate the new device.
- Once the computer has restarted and Windows has booted up, a Logon window will appear and require you to enter a username and password. Make up a

username and password and click **OK**. Do not click the **Cancel** button, or you won't be able to log onto the network.

10. Double-click the **Network Neighborhood** icon on the windows desktop, and you should see the names of the other PCs on the network.

In Windows 2000/XP

1. (For Windows 2000)

(For Windows XP)

Go to Start ∠ Control Panel ∠ Network Connections ∠ Wireless Network Connection Enabled Wireless LAN Adapter ∠ Properties.

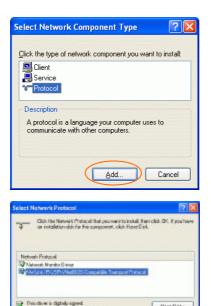
menal Support	
Connection	
Status:	Connected
Duration	00.05.33
Speed	11.0 Mbps
Signal Strength:	T
Activity	-
Sent	- E - Received
Packet:	15 12
Etoperties Disable	1

2. Make sure that you have all the following components installed.

- **Client for Microsoft Networks**
- MWLink NetBIOS
- NWLink IPX/SPX/NetBIOS Compatible Transport Protocol
- Mark Internet Protocol (TCP/IP)

	eel Wineles	s Network	authent	icelion A	dvanced	
-	Vrieless L	AN Ada	pter			
This	agnection	uces fre	tollowing iter	ns.	Configure.	
2	File and File and QoS Pa Thirthe	l Printer S ackat Sch	hering for M edular		timaikis O	K III
-	lgstal.,		Uninstal		Pjopeties	_
A	escription liones pour es etwork.	omputer to	access (83	anices ou	aMicrosoft	
	hog icon in	notāc sie	in area whe	n connecte	d	

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



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

Tall on why driver signing is important

HAVE DOCK

Cancel

DK.

5. When finished, you must restart your computer to complete installation.

Configuration

Note: For Windows XP users, you have two options to configure the Wireless settings:

1) Use Manufacturer's Configuration Utility Please go to <u>Step 3</u> of Use Windows XP's Wireless Configuration section to disable the Windows XP's wireless configuration.

2) Use Windows XP's Wireless Configuration. Please go to <u>Use Windows XP's Wireless</u> <u>Configuration Utility</u> section to use the configuration.

Use Manufacturer's Configuration Utility

After installing the Wireless CompactFlash Card's driver successfully, the **Network Status** icon will appear in the task bar.

Network Status Icon & Icon Menu

The Status Icon

Icon	Link Status
4	Green indicates a strong link.
\geq	Yellow indicates a weak link.
4	Red indicates no or a very poor link.

To view the exact link quality of the Wireless CompactFlash Card, move the cursor over the status icon, as shown below.



Icon Menu

After clicking on the icon, the icon menu as displayed below will prompt you to configure the Wireless CompactFlash Card.



Items	Description
Wireless Radio On	These two items allows you
Wireless Radio Off	to enable or disable the wireless radio.
Remove Status Icon	Removes the icon from the taskbar. Each time you power on your PC, the icon will reappear.
Wireless Network Status	Clicking these items will launch the Wireless
Advanced Configuration	Settings window, as described below.
WEP Encryption	
Version	
Information	

Status

The **Status** tab provides you the status of the Wireless CompactFlash Card.

Default - PRISM Wireless Settings
Status Configuration Encryption Site Survey About
State: Associated - 00:20:28:00:47:76
Current Tx Rate: 2 Mbits/sec
Current Channet 1 Disable Radio Rescan
Throughput (bytes/sec): Tx: 0 Rx: 620
Link Quality: Excellent (100%)
Signal Strength: Excellent (100%)
OK Cancel Apply

Item	Description
State	It displays the connection state of the Wireless CompactFlash Card with the wireless network.
Current Tx Rate	It displays the current transfer rate.
Current Channel	It displays the selected channel that is currently used. (There are 14 channels available, depends on the country.)
Disable Radio	Click this button to disable the wireless radio. The Wireless CompactFlash Card will disconnect with the wireless network.
Rescan	Search for all available networks. Clicking on the button, the device will start to rescan.
Throughput	It displays the transferring (Tx) and receiving (Rx) data rate in bytes per second.

Item	Description
Link Quality	It displays the link quality of the connection between the Wireless PC and the Access Point or Peer-to-Peer type it connects.
Signal Strength	It displays the signal strength of the connection between the Wireless PC and the Access Point or Peer-to-Peer type it connects.
ОК	Click OK to save your changes.
Cancel	Click Cancel to ignore the previous setting.
Apply	Click Apply to activate the settings.

Configuration

The **Configuration** tab allows to set parameters for the Wireless CompactFlash Card.

Eroti e Neme:	Darwit		
Nativork (Berna)	ANY		
Network Type:	Access Point		
		<u>n =</u>	Detauts
TransmitBata	Fally Automatic	-	

Item	Description
Profile Name	Saves values for all previous setting parameters. The default values contain the parameters configured at installation. Once the demands for switching between different networking

Item	Description
	environments are required, you can also set the additional profiles to eliminate the configuration time. To save the current parameters, highlight the Profile field, type a new name, and click on the Apply button.
Network Name	A specific name shared among connected Wireless PC, Access Points and other wireless stations on the wireless network. The name must be identical for all devices and points attempting to connect to the same network. The default name is ANY . To change the Network Name, simply enter a new name in the field.
Network Type	It displays the type of BSS. Access Point: allows the Adapter to communicate with a wired network which employing an Access Point. Peer-to-Peer: allows PC-to-PC, station-to-station communication without employing an Access Point. (Note: For the detailed illustration about Access Point and Peer-to-Peer modes, please refer to the <u>Wireless</u> <u>Network Options</u> section.)
Peer-to-Peer Channel	To communicate with other Wireless PC, you must specify the same channel. Click the up and down arrow at the right of the Peer-to-Peer Channel to set the desired channel. The field is grayed out in Access Point mode.
Transmit Rate	It displays the current transmit rate. 1Mb, 2Mb, Auto 1 or 2 Mb, 5.5Mb, 11Mb or Fully Automatic)
Defaults	Clicks the button to restore to the default settings.
ОК	Click OK to save your changes.
Cancel	Click Cancel to ignore the previous setting.
Apply	Click Apply to activate the settings.

Encryption

WEP (Wired Equivalent Privacy) encryption can be used to ensure the security of your wireless network. The window allows you to set to 64bit or 128bit Encryption (WEP) by using either Passphrase or Manual Entry methods.

Note: To allow Decryption and communication, all wireless devices must share the identical encryption key on the same network.

Status Configuration Energy	eon SteSuve	About		
Enclyption (WEP security)	Disabled Disabled E4 bit 128 bit	2		
Contraction Contraction	List or			
		-	(Interference)	
972		_	,	
Constant Personal				

Item	Description
Encryption (WEP security)	WEP is a data privacy mechanism based on a 64-bit/128-bit shared key algorithm. Under the drop-down box, you can choose to have WEP encryption Disabled , 64 bit, or 128 bit .
Create Keys with Passphrase	A Passphrase can be entered to generate four keys used for WEP. For the easiest configuration, the Passphrase method is recommended.

Create Keys	These four fields can be used to
Manually	enter WEP keys manually. The
	method is required to match the
	keys of other wireless devices on
	the existing network.
🗷 Alphanumeric:	Click Alphanumeric if you are
5 characters	using an alphanumeric phrase.
∠ Hexadecimal:	Click Hexadecimal if you are
	using a hexadecimal number.
A-F)	using a nonadeemilar number.
	This setting is the section
Key 1:	This setting is the configuration
Key 2:	key used in accessing the wireless
Key 3:	network via WEP encryption.
Key 4:	
Use WEP Kev	The default key field can be used
	for specifying which of the four
	encryption keys to transmit data
	on the wireless network.
OV	
ОК	Click OK to save your changes.
Cancel	Click Cancel to ignore the
	previous setting.
1	
Apply	Click Apply to activate the
	settings.

Site Survey

The **Site Survey** tab shows all the available Access Points and their information.

Highlight the access point displayed in the left list box, and you can see its features illustrated in the following fields.

tatus Configuration Encryp Available Network s: To connet to an available netv	nion Site Survey About
1 234 1 234	Com Resean
SiteInformation	
Site Information SSID: Jeb	Network Type Infrastructure

Item	Description
Available Networks	It displays all available networks.
Network Name	The name must be identical for all devices and points attempting to connect to the same network.
SSID	It displays the current SSID setting of the Wireless Network Adapter.
BSSID	A set of wireless stations is referred to as a Basic Service Set (BSS). Computers in a BSS must be configured with the same BSS ID.
Channel	It shows the selected channel that is currently used.
Network Type	It displays the type of BSS. Access Point: allows the Adapter to communicate with a wired network which employing an Access Point. Peer-to-Peer: allows PC-to-PC, station-to-station communication without employing an Access Point.
WEP Encryption	It displays the status of WEP Encryption.

Item	Description
Signal Level	It displays the signal strength of the connection between the Wireless PC and the Access Point it connects.
<u>Rescan</u>	Search for all available networks. Clicking on the button, the device will start to rescan and list all available sites.
Connect	To connect with a new access point, highlights the desired one in the left list box and clicks on the Connect button. Wait a while and the selected one will be marked as a current used access point.

About

The **About** tab shows the information and version of the Configuration Utility.

Default - PRISM Wireless Settings			×	
Status Configuration Encryption Site	e Survey 🛛	About		
Wireless Corporation PRISM Wireless LAN				
Copyright © 2001 Wireless Corporation				
Network Driver			1	
Version: 1.07.37	Date:	Sep 10 2002		
Configuration Utility				
Version: 1.07.37	Date:	Sep 10 2002		
Software Suit				
Version: 1.00.11	Date:	Sep 10 2002		
NIC Firmware				
Version: 1.04.02.00	Address:	00.E0.98.39.57.03		
OK		Cancel Apply		

Use Windows

Configuration Utility

- In Network Connections window, right-click the Wireless Network Connections icon, and select Properties.



Note: Double-click the **Wireless Network Connection** icon and you can also see the status of the Wireless CompactFlash Card as described below.

Status:	Coveced
Duration	00.05.18
Speet Signal Strengty	11.0Mipi
Adday Sert —	🛐 — Received
Packatz 33	1 1

3. In Wireless Network Connection Properties window, select the Wireless Networks tab.

	Properties 🛛 🖓 👔
General Wiskes Networks Automatical	ion Advanced
Uce <u>tw</u> indovs to coefigure ny viteless initializie privatica	i retvicik sellingi
To connect to an available network, ch	ok Configure
7 ab	Çavlique
§ 3Con	Rebeds
Evidencel notivolitic Subservatically connection analable network balance Connection analable network Delayer	aks in the order lated
<u> </u>	
	Hereighten
Adt. Beware R	
	gesties

≤ Use Windows to configure...

* Use Windows to configure

Note: Once you enable windows configuration, there will be only two tabs, **Status** and **About**. You can only use Windows XP's Wireless Configuration Utility to configure the wireless settings.

State: Associ	27:70-00 82:02:00- bes	
Current Tis Flate:	TT Matcheo	
Current Channel	T Divable Re	do <u>H</u> eicor
Throughout (bytes	Anto) Tx (966	
Link Quality	Excellent (100%)	
Signal Storight	Excelent (80%)	

* Use Manufacturer's Configuration Utility

Note: If you want to use manufacturer's configuration utility to configure the wireless settings, make sure the check box is **not** enabled then click the Network Status icon in the taskbar.

alab pincks	
To comet to an available	and a second sec
I Inai AP	Configure
1 iCon	FigherA
Distanced and address	
Aslowatically connect to an below	valable networks in the order listed
I Mail-SP	Manager
	(toport (from)
Ast. Berw	ve Pigeodea
Learn about <u>cetting to mich</u>	terreterret
	and Contractor

Available networks

Displays all available networks.

Configure

Click the button to set up a new network or WEP configuration as illustrated as below.

Wireless Network Pro	operties 🛛 🛛 🔀
Network game (SSID)	ab
Wieless network key (/	VEPI
This network requires a	key tor the following:
🛛 🗋 also encoyption () 🗌 Nationals Authentic	A CONTRACTOR OF A CONTRACT
Key jonat	ASOL characters
Kay jough	104 tals (F3 physioters) w
Ney ride; (advanced).	0 0
The key is provided	for me eutomatically
This is a gomputer to o access points are not o	omputer (ad hoc) network, wieskes used OK. Cancel

Refresh

Click the button to refresh and search for all available networks.

Preferred networks

From available network(s) listed above, you can select preferred one(s) in an order that you can arrange.

The marked one is the currently used network.

Move up

Move the selected network forward one position.

Move down

Move the selected network back one position

Add...

Click the button and the **Wireless Network Properties** window will appear. In the **Network name** field, enter your desired network name listed in the above **Available networks** box, and click **OK**.

Note: The new settings will be active only after you click on OK in the **Wireless Network Connection Properties** window.

Remove

Highlight the unwanted network listed in the **Preferred networks** box, and click the button to remove it.

Properties

Highlight the network listed in the above **Preferred networks** box, and click the button to display its properties.

Once network configuration is done, make sure to click **OK**. The new parameters will be saved and active only after doing so.

SPECIFICATIONS

Standards	IEEE 802.11b, Wi-Fi compliant
Host Interface	CompactFlash Type I
Physical	Weight: 15 g Dimension: 68.77(L) x 42.8(W) x 6.4(H) mm
Antenna	Internal Chip Antenna
LED Indicators	Link: Orange; Act: Green
Power Requirement	Operating Voltage: 5V or 3.3V #TX consumption: 300mA (Max) #RX consumption: 200mA (Max) #Sleep Mode: 50mA
Environment Specifications	 Operating Temperature: 0~65? ambient temperature Storage Temperature: -20~75? ambient temperature Operating humidity: 95% maximum (non condensing) Storage humidity: 95% maximum (non-condensing)
Frequency Range	2.412GHz-2.4835GHz
Number of Selectable Channels	USA, Canada: 11 channels Japan: 14 channels; Europe: 13 channels
Data rate	1/2/5.5/11 Mbps
Modulation Technique	Direct Sequence Spread Spectrum (CCK, DQPSK, DBPSK)
Secu rity	0/64/128 bit WEP
Spreading	11 chip Barker sequence
Bit Error rate	Better than 10 ⁻⁵
Media Access Protocol	CSMA/CA (Collision Avoidance) with ACK

Supported OS	For Notebook PC: Windows 95(OSR2)/98/ME/2000/ XP/NT For Handheld/Pocket PC: Windows CE
EMC	 FCC Part 15 in US EN300328 and EN300826
Certification	(301489-17) in Europe