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Book\_Adapter Install for SBC\_After Mkt.book Page i Thursday, February 5, 2004 5:45 PM

# *Contents*

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Wireless PC Card1STEP 1: Install the Wireless PC Card2STEP 2: Install the Wireless PC Card Driver3Installing Drivers For Windows XP3Installing Drivers For Windows 20004Installing Drivers For Windows ME7Installing Drivers For Windows 98 SE8
Wireless USB Adapter11Installing Drivers For Windows XP13Installing Drivers For Windows 200015Installing Drivers For Windows ME17Installing Drivers For Windows 98 SE18
PC Port Adapter21STEP 1: Install the PC Port Adapter22Install Drivers For Windows XP24Installing Drivers For Windows 200025

i

Book_Adapter Install for SBC_After Mkt.book Page ii Thursday, February 5, 2004 5:45 PM	-•	
		•
Installing Drivers For Windows ME	. 27	
Installing Drivers For Windows 98 SE	. 28	
Installing Drivers For MacOS 10.1.3 or Higher	. 32	
Installing Drivers for MacOS 8.6 to 9.x	. 35	
Internal Wireless Adapter	. 38	
STEP 2: Install the Internal Wireless CardBus Adapter	. 40	
Activating Drivers for Windows XP	0	
Installing Drivers For Windows 2000	. 40	
Installing Drivers For Windows ME	. 41	
Installing Drivers For Windows 98 SE	. 42	
Appendix A: Wireless Adapter Configuration	. 47	•
Regulatory Information	. 48	ļ

Book\_Adapter Install for SBC\_After Mkt.book Page ii Thursday, February 5, 2004 5:45 PM

ii

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Book Adapter Install for SBC After Mkt.book Page 1 Thursday, February 5, 2004 5:45 PM

# Wireless PC Card

The Wireless PC Card is a wireless network card that fits into any standard PC Card Type II slot. Using the Wireless PC Card gives you the same connectivity as Ethernet without the wires. Expanding or redesigning your network is easy, and unlike cabled Ethernet, the Wireless PC Card allows you to roam throughout the network while remaining connected to the LAN.

1

Follow these steps to complete the Wireless PC Card installation:

Step 1 - Install the Wireless PC Card.

Step 2 - Install the adapter driver from the SBC Adapter Setup CD.

The following sections give you detailed instructions for completing each step.

Book\_Adapter Install for SBC\_After Mkt.book Page 2 Thursday, February 5, 2004 5:45 PM

# STEP 1: Install the Wireless PC Card

To install the Wireless PC Card, turn off your computer and simply insert the card into the PC Card slot.

*If you have a desktop computer*, you need to have an Internal Wireless Adapter with a PC Card Type II slot installed to insert the card.

Follow the driver installation instructions appropriate to your operating system to complete your Wireless PC Card installation.

2

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## STEP 2: Install the Wireless PC Card Driver

### Installing Drivers For Windows XP

- 1. Power on your computer. Insert the SBC Adapter Setup CD into your CD-ROM drive.
- 2. When the Found New Hardware Wizard window opens, select **Install the software automatically (Recommended)** and click **Next** to continue.
- 3. The drivers are installed.









- 4. When the Completing the Found New Hardware Wizard opens, click **Finish**. Your installation is complete.
- 5. Continue to Appendix A on page 47 to configure the adapter to work with your gateway.



### Installing Drivers For Windows 2000

- 1. Power on your computer. Insert the SBC Adapter Setup CD into your CD-ROM drive.
- 2. When the Found New Hardware Wizard window opens, click **Next** to continue.









3. The next window prompts you to install device drivers. Select Search for a suitable driver for my device (recommended), and click Next.

4. When the Locate Driver Files window opens, deselect the **Floppy disk drives** checkbox, select the **CD-ROM** checkbox, and click **Next**.

Locate Driver Files Where do you want Windows to search fi	or driver files?
Search for driver files for the following har	dware device:
2 Wire Wireless PC Card	
The wizard searches for suitable drivers in any of the following optional search locati	its driver database on your computer and in ons that you specify.
To start the search, click Next. If you are insert the floppy disk or CD before clicking	searching on a floppy disk or CD-ROM drive, I Next.
Optional search locations:	
Floppy disk drives	
CD-ROM drives	
Specify a location	
Microsoft Windows Update	

hat makes a hardware device work. Window To locate driver files and complete the

< Back Next > Cancel

Found New Hardware Wizard

Install Hardware Device Drivers A device driver is a software program that enables a hardware device to work with an operating system.

This wizard will complete the installation for this device: 2Wire Wireless PC Card A device driver is a software program that makes a harneeds driver lifes for your new device. To locate driver installation citick Next.

Search for a suitable driver for my device (recommended)
 Display a list of the known drivers for this device so that I can choose a specific
 driver

What do you want the wizard to do





5. When the Driver Files Search Results window opens, click Next.

- 6. When the Completing the Found New Hardware Wizard opens, click Finish. Your installation is complete.
- 7. Continue to Appendix A on page 47 to configure the adapter to work with your gateway.



Found New Hardware Wizard







Book\_Adapter Install for SBC\_After Mkt.book Page 7 Thursday, February 5, 2004 5:45 PM

### Installing Drivers For Windows ME

- 1. Power on your computer. Insert the SBC Adapter Setup CD into your CD-ROM drive.
- 2. When the Add New Hardware Wizard window opens, select Automatic search for a better driver (Recommended), and click Next.

7

3. After the driver files are copied, click Finish.



Windows has found the following new hardware 2Wire Wireless PC Card

Add New Hardware Wizard





- 4. If the System Settings Change window opens, click **Yes** to restart your computer. Your installation is complete.
- 5. Continue to Appendix A on page 47 to configure the adapter to work with your gateway.

### Installing Drivers For Windows 98 SE

- 1. Power on your computer. Insert the SBC Adapter Setup CD into the CD-ROM drive.
- 2. When the Add New Hardware Wizard opens, click **Next** to continue.

System S	Settings Change
٩	To finish setting up your new hardware, you must restart your computer. Do you want to restart your computer now?
	<u>Y</u> es <u>N</u> o







3. When the next window opens, select Search for the best driver for your device (Recommended), and click Next.

4. Uncheck Floppy disk drives, select the CD-ROM drive checkbox, and click Next.







5. Windows locates the best driver for your device. Click **Next** to continue.

6. After the drivers are copied, click Finish.

- 7. If the System Settings Change window opens, click **Yes** to restart your computer. Your installation is complete.
- 8. Continue to Appendix A on page 47 to configure the adapter to work with your gateway.







# Wireless USB Adapter

The Wireless USB Adapter is a wireless networking device that is connected to a USB port on your computer using a USB cable. Wireless networking provides the same connectivity as Ethernet without the wires. Expanding or redesigning your network is easy, and unlike cabled Ethernet, the Wireless USB Adapter allows users to roam throughout the network while remaining connected to the LAN.

Follow these steps to complete the Wireless USB Adapter installation:

Step 1 - Install the Wireless USB Adapter.

Step 2 - Install the adapter driver from the SBC Adapter Setup CD

The following sections give you detailed instructions for completing each step.



Book\_Adapter Install for SBC\_After Mkt.book Page 12 Thursday, February 5, 2004 5:45 PM

## STEP 1: Install the Wireless USB Adapter

The supplied USB cable has a different type of USB connector on each end.



Series A connector. The Series A USB connector plugs into the USB port on your computer.

Series B connector. The Series B USB connector plugs into a USB device such as the Wireless USB Adapter.

To install the Wireless USB Adapter, simply connect the adapter to an available USB port on your computer using the supplied USB cable.





Book\_Adapter Install for SBC\_After Mkt.book Page 13 Thursday, February 5, 2004 5:45 PM

### **STEP 2: Install the Wireless USB Adapter Driver**

### Installing Drivers For Windows XP

- 1. Power on your computer. Insert the SBC Adapter Setup CD into the CD-ROM drive.
- 2. When the Found New Hardware Wizard window opens, select **Install the software automatically (Recommended)** and click **Next** to continue.



13



3. The driver installs.

- 4. When the Completing the Found New Hardware Wizard opens, click **Finish**.
- 5. Continue to Appendix A on page 47 to configure the adapter to work with your gateway.







Book\_Adapter Install for SBC\_After Mkt.book Page 15 Thursday, February 5, 2004 5:45 PM

### Installing Drivers For Windows 2000

- 1. Power on your computer. Insert the SBC Adapter Setup CD into the CD-ROM drive.
- 2. When the Found New Hardware Wizard window opens, click **Next** to continue.
- 3. The next window prompts you to install device drivers. Select Search for a suitable driver for my device (recommended), and click Next.









4. When the Locate Driver Files window opens, uncheck Floppy disk drives, select the CD-ROM checkbox, and click Next

5. When the Driver Files Search Results window opens, click Next.

		-
Found New Hardware Wizard	1	
Locate Driver Files Where do you want Windows to search for driver files?		
Search for driver lifes for the following hardware device:         Image: Control of the following hardware device:	9	
The wixed loand a driver for the following device: <ul></ul>		-(*







- 6. When the Completing the Found New Hardware Wizard opens, click **Finish**. Your installation is complete.
- 7. Continue to Appendix A on page 47 to configure the adapter to work with your gateway.



### Installing Drivers For Windows ME

- 1. Power on your computer. Insert the SBC Adapter Setup CD into your CD-ROM drive.
- 2. When the Add New Hardware Wizard window opens, select Automatic search for a better driver (Recommended), and click Next.





Book Adapter Install for SBC After Mkt.book Page 18 Thursday, February 5, 2004 5:45 PM

- 3. After the driver files are copied, click **Finish**.
- 4. If the System Settings Change window opens, click **Yes** to restart your computer. Your installation is complete.
- 5. Continue to Appendix A on page 47 to configure the adapter to work with your gateway.

### Installing Drivers For Windows 98 SE

1. Power on your computer. Insert the SBC Adapter Setup CD into the CD-ROM drive. When the Add New Hardware Wizard opens, click **Next** to continue.











2. When the next window opens, select Search for a better driver for your device (Recommended), and click Next.

3. Uncheck Floppy disk drives, select the CD-ROM drive checkbox, and click Next.







4. Windows locates the best driver for your device. Click **Next** to continue.

- 5. After the drivers are copied, click **Finish**.
- 6. If the System Setting Change window opens, click **Yes** to restart your computer. Your installation is complete.
- 7. Continue to Appendix A on page 47 to configure the adapter to work with your gateway.





Book\_Adapter Install for SBC\_After Mkt.book Page 21 Thursday, February 5, 2004 5:45 PM

# PC Port Adapter

The PC Port adapter allows you to connect your computer to existing phone lines using one of the USB ports on your machine.

Follow these steps to complete the PC Port installation:

Step 1 - Install the PC Port adapter.

Step 2 - Install the adapter driver from the SBC Adapter Setup CD.

The following sections give you detailed instructions for completing each step.



Book\_Adapter Install for SBC\_After Mkt.book Page 22 Thursday, February 5, 2004 5:45 PM

### STEP 1: Install the PC Port Adapter

- 1. Turn off your computer.
- 2. Insert the PC Port adapter into an available USB port on your computer.
- 3. *If you are not sharing your DSL connection with a phone, or you are using other broadband services such as cable:* Connect one end of the supplied telephone cable to the PC Port adapter and the other end into the telephone wall jack.

*If you are sharing your DSL connection with a phone using DSL Filters:* Refer to the table on page 23 to complete your PC Port connection.









Book\_Adapter Install for SBC\_After Mkt.book Page 23 Thursday, February 5, 2004 5:45 PM

### The filter examples shown below are 2Wire DSL Filters.

Filter Type	If Sharing Wall Jack with Phone
Single port	<ul> <li>Insert the other end of the telephone cable into one of the Y-adapter ports.</li> <li>Connect your DSL filter into the open port on the Y-adapter and your phone into the filter.</li> <li>Insert the Y-adapter into the wall jack.</li> </ul>
Dual port	<ul> <li>Insert the other end of the telephone cable into the port labelled DSL/HPNA or DSL HPN.</li> <li>Connect your telephone into the port designated for phone service.</li> <li>Insert the DSL Filter into the wall jack.</li> </ul>
Wallmount	<ul> <li>After your DSL wall mount filter has been installed and the telephone is connected:</li> <li>Insert the other end of the telephone cable from the PC Port into the port labelled DSL or DSL HPN.</li> </ul>

You have just completed Step 1 of your adapter installation. Proceed to Step 2: Install the PC Port Adapter Driver, to complete your adapter installation. Locate and follow the driver installation instructions appropriate to your operating system.



Book\_Adapter Install for SBC\_After Mkt.book Page 24 Thursday, February 5, 2004 5:45 PM

## STEP 2: Install PC Port Adapter Driver

### Install Drivers For Windows XP

- 1. Power on your computer. Insert the SBC Adapter Setup CD into your CD-ROM drive.
- 2. When the Found New Hardware Wizard window opens, select **Install the software automatically (Recommended)** and click **Next** to continue.



3. The driver installs.









4. When the Completing the Found New Hardware Wizard opens, click **Finish**. Your installation is complete.

### Installing Drivers For Windows 2000

- 1. Power on your computer. Insert the SBC Adapter Setup CD into your CD-ROM drive.
- 2. When the Found New Hardware Wizard window opens, click Next to continue.











3. The next window prompts you to install device drivers. Select Search for a suitable driver for my device (recommended), and click Next.

4. When the Locate Driver Files window opens, uncheck Floppy disk drives, select the CD-ROM checkbox, and click Next

ocate Driver Files Where do you want Windows to search 1	for driver files?
Search for driver files for the following ha	rdware device:
The wizard searches for suitable drivers i any of the following optional search locat To start the search, click Next. If you are insert the floppy disk or CD before clickin	n its driver database on your computer and in ions that you specify. searching on a floppy disk or CD-RDM drive, g Next.
Optional search locations: Floppy disk drives CD-ROM drives	
Specify a location     Microsoft Windows Update	

vice. To locate driver files and complete the

<<u>B</u>ack <u>N</u>ext> Cancel

Found New Hardware Wizard

2Wire PC Port A device driver is a softwar needs driver files for your n installation click Next.

What do you want the wizard to do?

Install Hardware Device Drivers A device driver is a software program that enables a hardware device to work an operating system.

Search for a suitable driver for my device (recommended)
 Display a list of the known drivers for this device so that I can choose a specific driver

This wizard will complete the installation for this device:





- 5. When the Driver Files Search Results window opens, click Next.
- 6. When the Completing the Found New Hardware Wizard opens, click **Next**.





- 1. Power on your computer. Insert the SBC Adapter Setup CD into your CD-ROM drive.
- 2. When the Add New Hardware Wizard window opens, select Automatic search for a better driver (Recommended), and click Next.







- 3. After the driver files are copied, click **Finish**.
- 4. If the System Settings Change window opens, click **Yes** to restart your computer. Your installation is complete.

### Installing Drivers For Windows 98 SE

1. Power on your computer. Insert the SBC Adapter Setup CD into your CD-ROM drive. When the Add New Hardware Wizard opens, click **Next** to continue.



< <u>B</u>ack

Next > Cancel







2. When the next window opens, select Search for the best driver for your device (Recommended), and click Next.

3. Uncheck Floppy disk drives, select the CD-ROM drive checkbox, and click Next.









4. Keep default setting, The updated driver (Recommended), and click **Next**.

5. Windows locates the best driver for your device. Click **Next** to continue.



What do you want to install? () [The updated driver (Recommended] 2Wire PC Port

C One of the other drivers

Windows has found an updated driver for this device, and also some other drivers that should work with this device.

Add New Hardware Wizard







6. After the drivers are copied, click **Finish**.

7. If the System Setting Change window opens, click **Yes** to restart your computer. Your installation is complete.

2Wire PC Port

Add New Hardware Wizard





Book\_Adapter Install for SBC\_After Mkt.book Page 32 Thursday, February 5, 2004 5:45 PM

### Installing Drivers For MacOS 10.1.3 or Higher

- 1. Power on your computer. Insert the SBC Adapter Setup CD into your CD-ROM drive.
- 2. If your have set up an administrator name and password, the Authenticate screen opens. Enter your administrator name and password and click **OK**.
- 3. Open the 2Wire USB folder from the CD and click on the 2Wire USB. Click Continue.

You need an adm	inistrator name and password
or phrase to mak	e changes in ZWire USB 1.2.23
Name:	
Password or phrase:	
	Cancel OV







4. Accept or decline the License Agreement. Click Accept to continue your PC Port installation. Selecting Decline will end your installation.

- 5. Select **Easy Install**. If Easy Install is not already selected in the 2Wire USB window, select it from the pull-down menu.
- Prices Tesse Accessed an Artis, ACCEPTANCE & DAYLER LEARNAGE THESE TESSE ACCESSEDEN AN OFTER, ACCEPTANCE & DAYLESS LANTED TO THESE TESSE ACCESSEDENT AN OFTER, ACCEPTANCE & DAYLESS LANTED TO THESE TESSE ACCESSEDENT (Inc.) COMMITTEE ACCEPTANCE & DAYLESS LANTED TO THESE TESSES ACCESSED AN OFTER, ACCEPTANCE & DAYLESS LANTED TO THESE TESSES ACCESSED AN OFTER, ACCEPTANCE & DAYLESS LANTED TO THESE TESSES ACCESSED AN OFTER, ACCEPTANCE & DAYLESS LANTED TO ACCEPTANCE & DAYLESS LANTED TO THESE TESSES ACCESSED AN OFTER, ACCEPTANCE & DAYLESS LANTED TO THESE TESSES ACCESSED AN OFTER, ACCEPTANCE & DAYLESS LANTED TO THESE TESSES ACCESSED AND ACCESS LANTED TO THESE TESSES ACCESSED AND ACCESS LANTED TO THESE TESSES ACCESSED AND ACCESS LANTED TO THESE TESSES ACCESSED AND ACCESSED AND ACCESS LANTED TO THESE TESSES ACCESSED AND ACCESS LANTED TO THESE TESSES ACCESSED AND ACCESSED ACCESSED ACCESSED ACCESSED THESE TESSES ACCESSED AND ACCESSED ACCESSED ACCESSED ACCESSED THESE TESSES ACCESSED ACCESSED ACCESSED ACCESSED ACCESSED ACCESSED ACCESSED THESE TESSES ACCESSED ACCESSED ACCESSED ACCESSED ACCESSED ACCESSED THESE TESSES ACCESSED ACCE

The 2Wire USB Device Driver software has been

successfully installed on your Macintosh. You will need to Restart your computer for the changes to

Restart

CONDITIONAL INFORMATION FOR CD OR ONLINE VERSIONS OF THE

LACENE GRANTED BELOW SUBJECT TO YOR ACCEPTANCE OF AND COMPLANCE WIT HEAST TERMS TO THE DICULSION OF ALL OTHER TERMS AND BERARDLESS OF ANY REPRESENTATIONS MADE BY ZUME OR ITS LICENSORS, SUPPLIESS OR BESLUERS. F YOU DO NOT WISH TO BE BOUND TO THE TERMS AND CONTONNS OF THIS AGREEME LLCK ON THE "DECLINE" BUTTON AND RETURN THE PRODUCT TO THE PACE OF PURCHASE WITHIN THINTY (30) DAYS OF PURCHASE WITH RECEPT FOR A FULL REFUN

BY CLICKING (

 $\triangle$ 

take effect.

6. Restart your computer.



Book Adapter Install for SBC After Mkt.book Page 34 Thursday, February 5, 2004 5:45 PM

7. Establish your PC Port connection. From the Apple menu, select **System Preferences**, then click **Network**.

Verify that Ethernet Adapter (en1) is selected in the Show field. If it is not, select it from the pull-down menu. When the New Port Detected message displays, click **OK**.

**Note:** Your Macintosh computer automatically assigns the name "(en1)" to the PC Port. If your computer has more than one Ethernet-type network device installed, the PC Port may be named "(en2)" or higher.

8. Click **Save** to complete your installation. Your installation is complete.

			I
• •	New Port Detecte	d	
8	A new network port h	as been detected:	
<u> </u>	Ethernet Adapto	or (en1)	
	Please verify that it is press Apply Now to a	configured correctly, then ctivate it.	
		ОК	$\supset$
0	Netwo	rk	$\bigcirc$
All	Save configuration c	hanges?	
	Location: Automatic		
ow: (Etherno	t Adaptor (en1)	Cancel Save	
	TCP/IP PPPoE Ap	pleTalk Proxies	_
Cont	Igure: Using DHCP	÷	
IP Ad Subnet	dress: (Provided by DHCP Server) Mask:		
	outer:	Search Domains (Optional)	
R	ent ID: (Optional)		
R DHCP Clie		Example: apple.com, earthlink.net	
R DHCP Clie Ethernet Ad	dress: 00:d0:9e:3c:54:68		



Book Adapter Install for SBC After Mkt.book Page 35 Thursday, February 5, 2004 5:45 PM

### Installing Drivers for MacOS 8.6 to 9.x

- 1. Power on your computer. Insert the SBC Adapter Setup CD into your CD-ROM drive.
- 2. Mac OS recognizes the PC Port and asks if you would like to load the driver over the Internet. Click **Cancel** to continue.
- 3. Open the 2Wire USB folder from the CD and click on the 2Wire USB. Click Continue.







- 4. Accept or decline the License Agreement. Click Accept to continue your PC Port installation. Clicking Decline will end your installation.
- 5. Select **Easy Install**. If Easy Install is not already selected in the 2Wire USB window, select it from the pull-down menu.

6. Restart your computer. Your PC Port installation is complete. Click **Restart** to load the PC Port settings.



36

Book\_Adapter Install for SBC\_After Mkt.book Page 37 Thursday, February 5, 2004 5:45 PM

7. Establish your PC Port connection. From the Apple menu, select **Control Panel**, then **TCP/IP**.

Set the Connect via field to 2Wire PC Port. In the Configure field, ensure that Using DHCP Server is selected. If it is not, select it from the pull-down menu and close the window. If the Save changes window displays, click **Save** to complete your installation.

TCP/IP	
Connect via: 2Wire PC Port	
Configure: Using DHCP Server	
Save changes to the current configuration? Don't Save Cancel Save	
0	

37

# Internal Wireless Adapter

The Internal Wireless Adapter consists of two pieces of hardware that together enable wireless capability on your computer:

**An Internal CardBus Adapter.** A standard PC Card-to-PCI bus adapter used to install PC cards into computers that do not have a factory-installed PC Card slot.





A Wireless PC Card. After installing the

Internal CardBus Adapter, this card is installed into the slot and configured to enable your wireless network connection.

Follow EACH of these steps to complete the Internal Wireless Adapter installation:

Step 1 - Install the Internal CardBus Adapter.

Step 2 - Install the Internal CardBus Adapter driver (you will not need a CD to perform this step).

Step 3 - Install the Wireless PC Card into the Internal CardBus Adapter (page 1).

Step 4 - Install the driver from the SBC Adapter Setup CD.

The following sections give you detailed instructions for completing each step.



## STEP 1: Install the Internal CardBus Adapter

**Note:** To avoid static electric charges, touch an unpainted metal surface before installing or working with the adapter.

- 1. Turn your computer off and unplug the power cord.
- 2. Remove the outer cover of you computer and locate an available PCI slot. PCI slots are easily identified by their beige or white color.
- 3. Remove the backplate (the small piece of metal that covers the opening for the PCI card on the back cover that you just removed).
- 4. Insert the adapter into the PCI slot.
- 5. Secure the adapter with the screw from the backplate and replace the cover of your computer.

Your Internal CardBus Adapter is now ready to accept a PC Card.

You have just completed Step 1 of your adapter installation. Proceed to Step 2: Install the Internal Wireless CardBus Driver to complete your adapter installation. Locate and follow the driver installation instructions appropriate to your operating system.



39

# STEP 2: Install the Internal Wireless CardBus Adapter

### Activating Drivers for Windows XP

- 1. Power on your computer. When the XP Home Networking Wizard opens, click Cancel.
- 2. The built-in driver is automatically located and the adapter is installed.
- *3.* Go to page 1, Installing the Wireless PC Card, to continue your Internal Wireless Adapter installation.

### Installing Drivers For Windows 2000

- 1. Power on your computer. Windows 2000 automatically installs the drivers for the Internal CardBus Adapter.
- 2. Restart your computer so Windows recognizes the adapter. If you are prompted to restart a second time, click **Yes**.
- 4. Go to page 1, Installing the Wireless PC Card, to continue your Internal Wireless Adapter installation.



Book\_Adapter Install for SBC\_After Mkt.book Page 41 Thursday, February 5, 2004 5:45 PM

### Installing Drivers For Windows ME

- 1. Power on your computer. When the Add New Hardware Wizard window opens, select Automatic search for a better driver (Recommended), and click Next.
- 2. After the driver files are copied, click **Finish**.

- 3. If the System Settings Change window opens, click Yes.
- 4. Go to page 1, Installing the Wireless PC Card, to continue your Internal Wireless Adapter installation.



Add New Hardware Wiz





Book\_Adapter Install for SBC\_After Mkt.book Page 42 Thursday, February 5, 2004 5:45 PM

### Installing Drivers For Windows 98 SE

1. Power on your computer. When the Add New Hardware Wizard opens, click **Next** to continue.

2. When the next window opens, select Search for the best driver for your device (Recommended), and click Next.



<<u>B</u>ack Next> Cancel







3. Uncheck all checkboxes, and click Next.

4. Windows locates the best driver for your device. Click **Next** to continue.



Windows will search for new drivers in its driver database on your hard drive, and in any of the following selected locations. Click Next to start the search.

< Back Next >

Cancel

Eloppy disk drives
 ED-ROM drive
 Minrosoft Windows Update
 Specify a location;

Add New Hardware Wizard





5. When the PC Card Wizard displays, accept the default and click **Next**.

6. When asked if you want to review system files, accept the default and click **Next**.









7. When the PC Card Wizard has completed, click **Finish** to copy the drivers.

8. After the drivers are copied, click **Finish**.



KBack Finish Cancel

You have finished the PC card wizard.

PC Card (PCMCIA) Wizard







- 9. If the System Settings Change window opens, click **Yes** to restart you computer.
- 10. If you are prompted to restart a second time, click Yes.
- 11. Go to page 1, Installing the Wireless PC Card, to continue your Internal Wireless Adapter installation.

System S	Settings Change 🛛 🔀
?	To finish setting up your new hardware, you must restart your computer. Do you want to restart your computer now?
	<u>Yes</u> <u>N</u> o



# Appendix A: Wireless Adapter Configuration

Now that you have installed the drivers for your wireless adapter, you must configure it to work with the 2Wire gateway. A wireless network requires a network name (SSID) and an encryption key to operate. *Every 2Wire wireless gateway comes with a unique network name and encryption key printed on the bottom of the unit*.

 With the SBC Adapter Setup CD in your CD-ROM drive, click Run from the Windows Start button. Enter D:\setup.exe in the Open field enter and click OK.

If your CD-ROM drive is not located on D;, substitute the appropriate letter (for example, E:\setup.exe).

2. When the Driver and Utilities program page displays, click the **Configure 2Wire Wireless Adapter** button.

ase enter the following two numbers located on sticker on the bottom of your 2Wire gateway as win and click "Begin Wireless Configuration"	Bottom View of 2Wire Gateway
in solar do se	
Enter Serial Number	• 012345678910
I Enter Wireless Encryption Key	▶ [9876543210]

3. Enter the serial number and encryption key from your 2Wire wireless gateway, then click the **Begin Wireless Configuration** button to configure your adapter.



Book\_Adapter Install for SBC\_After Mkt.book Page 48 Thursday, February 5, 2004 5:45 PM

### **Regulatory Information**

### **FCC Statement**

This device has been tested and complies with the specifications for a Class B digital device, pursuant to Part 15 of the FCC rules. These rules 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 according to 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 is found by turning the equipment 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 separation between the equipment and the 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.





