Getting Started With Your Dell[™] Wireless Network Card

Thank you for purchasing a Dell Wireless 1390 802.11g ExpressCard[™].

Before you begin to use your Dell Wireless network card, you will require the following items and information:

- A computer with an ExpressCard port and Windows[®] XP operating system
- Software installation CD included with your Dell Wireless 1390 802.11g ExpressCard
- The network name (SSID) of your wireless network

Getting Started

NOTE: You must connect the device to the system before installing the software.

Connecting the Dell Wireless Network Card to Your Computer



Gemtek need to change this picture to show Setanta and Key West

1. Insert the Dell Wireless 1390 802.11g ExpressCard into the computer as shown above.

Found New Hardware Wizard	
	Welcome to the Found New Hardware Wizard Windows will search for current and updated software by looking on your computer, on the hardware installation CD, or on the Windows Update Web site (with your permission). Read our privacy policy
	Can Windows connect to Windows Update to search for software? Yes, this time only Yes, now and <u>e</u> very time I connect a device No, not this <u>t</u> ime
	Click Next to continue.
	< Back Next > Cancel

- 2. The Found New Hardware Wizard screen will appear.
- 3. Click Cancel on the Found New Hardware Wizard



- 4. Ignore the balloon message indicating that a problem occurred during hardware installation. The following steps to install the software will rectify the problem.
- Insert the Dell Wireless 1390 802.11g ExpressCard CD into the CD or DVD drive of your computer. If the Main Menu screen does not appear automatically, select Start > Run and then type x:\setup.exe (where x is your CDROM drive letter) and click OK.
- 6. Click on **Install Software**, and follow the on screen instructions. The install wizard will install the Dell Wireless LAN Card Utility and the Windows driver.
- 7. Check for the **Green Light** on the device to make sure the network card is operating correctly and the Windows driver is loaded.
- 8. The New network device installed screen will appear on the bottom right corner.

Connecting to a Wireless Network with No Security

NOTE: This section provides the basic steps to configure and connect to a wireless network. For further details see "Making a Basic Network Connection in Windows XP" in the User's Guide on the **Dell Wireless 1390 802.11g ExpressCard CD.**



- 1. Right-click Wireless Network Connection icon, as shown above, in the system tray on bottom right hand corner of your computer screen.
- 2. Click Open Utility.

P ^{an} Dell Wireless WLAN Card Utility	
Wireless Networks Link Status Site Monitor Diagnostics Information	
Let this tool manage your wireless networks	
I Show utility icon I Enable Radio	
Preferred network connections	
Your computer automatically connects to the first network that is within range.	
📝 - 📝 🗵 🕥 🖤 🥦 -	
Add Edit Remove Up Down Options	
Type Network Name Security	
Click Add to add a network connection to this list.	
OK Cancel Apply H	lelp

3. Click Add.

NOTE: The names of the wireless networks, that are visible to your computer, are shown under **Connect to a network**.



4. Click on the name of the network that you wish to join and click Next.

⁹⁹¹ Wireless Network Wizard	
Wireless network tasks 🚷	You are now ready to connect to the network
Connect to a nonbroadcasting network Create an ad hoc network Manually connect to an advanced network	Network settings
Related Tasks	Authentication: Open Data Encryption: None
Dearn more about wireless networks Dell Wireless WLAN Card Utility	Print Network Connection Settings
	Save Network Connection Settings to a text file
Details	
Network type: Access point Network Name: Wireless Authentication: Open	
Data Encryption: None	Cancel Back Connect

5. Click Connect to join the network

Dell Wireless WLAN Card Utility	
Wireless Networks Link Status Site Monitor Diag	nostics Information
Let this tool manage your wireless networks	
Enable Radio	
Preferred network connections	
Your computer automatically connects to the first ne	twork that is within range.
Add Edit Barrous Up D	U 500 -
Type Network Name	Security
Wireless	
	DK Cancel <u>A</u> pply Help

6. Click OK.

Connecting to a Wireless Network with Security

INOTE: To make advanced security settings, home users need to know the advanced security settings on their access point and enterprise users need information from their system administrators.

NOTE: If you have not already made a basic wireless network connection, see, "Connecting to Your Wireless Network with No Security." Otherwise see, "Making a Basic Network Connection in Windows 2000/XP" in the *User's Guide* that came with your computer. To make other types of advanced network security settings in Windows XP, see, "Making Advanced Network Security Settings in Windows 2000/XP Using the Dell WLAN Card Utility" in the *User's Guide*.



- 1. Right-click **Wireless Network Connection icon** in the system tray on bottom right hand corner of your computer screen.
- 2. Click Open Utility.

Dell Wireless WLAN Card Utility	$\mathbf{ imes}$
Wireless Networks Link Status Site Monitor Diagnostics Information	
Let this tool manage your wireless networks	
Enable Radio	
Preferred network connections	¥.
Your computer automatically connects to the first network that is within range.	
Type Network Name Security	
Click Add to add a network connection to this list.	

3. Click Add.



NOTE: The names of the wireless networks, that are visible to your computer, are shown under **Connect to a network**.

🕅 Wireless Network Wizard	
Wireless network tasks 🙁	Connect to a network
Connect to a nonbroadcasting network Create an ad hoc network Manually connect to an advanced network	Click an item in the list below to connect to a network in range, and then click Next. If the network you want to connect to is not listed, click Connect to a nonbroadcasting network. Type Network Name Security Image: Security Security
Related Tasks	Vireless
Details (*) Network type: Access point Network Name: Wireless Authentication: Open Data Encryption: WEP	Refresh Cancel Next

4. Click on the name of the network that you wish to join and click Next.

Å "	Wireless Network Wizard	
	Wireless network tasks 🛞	This network requires a network key
-	Connect to a nonbroadcasting network Create an ad hoc network	Type the network key in the Network key box and again in the Confirm network key box.
	Manually connect to an advanced network	The network key for Wired Equivalent Privacy [WEP] must meet one of the following requirements:
		- Either exactly 5 characters or exactly 13 characters
8	Related Tasks	- Either exactly 10 characters or exactly 26 character using the numbers 0-9 and the letters a-f (letters can be unpercase or lowercase)
	Learn more about wireless networks	
	Dell Wireless WLAN Card Utility	Network key: ••••• 5
		Confirm network key: •••••
		Hide characters as I type
Ĩ	Details	
	Network type: Access point Network Name: Wireless	On the last page of this wizard, you can print the network connection settings, which include this key.
	Authentication: Open	
	Data Encryption: WEP	Cancel Back Next

5. Enter the network key in both Network key and Confirm network key boxes.



NOTE: The type of key varies according to the security type being used by the wireless network. The screen shot above is for WEP. The screen contents may vary depending on the security method in use, for example WPA, WPA2 and 64/128 bit WEP.

🕅 Wireless Network Wizard	
Wireless network tasks 🛞	You are now ready to connect to the network
Connect to a nonbroadcasting network Create an ad hoc network Manually connect to an advanced network	Network settings
Related Tasks 🙁	Data Encryption: WEP Network Keyr ^{xxxxxxxx}
Learn more about wireless networks Dell Wireless WLAN Card Utility	✓ Hide network key
	Print Network Connection Settings
	Save Network Connection Settings to a text file
Details	
Network type: Access point Network Name: Wireless Authentication: Open	
Data Encryption: WEP	Cancel Back Connect

- 6. Click Connect to join the network.
- 7. Click OK.

NOTE: The following symbols are used on the Dell Wireless 802.11g ExpressCard.

Green light indicates that the device is powered on.



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Green light indicates that the radio is enabled.



Orange flashing light indicates that data is being transmitted to or from the wireless network.

Notes, Notices, and Cautions Ŀ

NOTE: A NOTE indicates important information that helps you make better use of your computer.

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NOTICE: A NOTICE indicates either potential damage to hardware or loss of data and tells you how to avoid the problem.

CAUTION: A CAUTION indicates a potential for property damage, personal injury, or death.

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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.

FCC Caution: Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.

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.

IMPORTANT NOTE:

FCC Radiation Exposure Statement:

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment.

This device complies with FCC RF Exposure limits set forth for an uncontrolled environment, under 47 CFR 2.1093 paragraph (d)(2).

This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

This equipment has been SAR-evaluated for use in laptops (notebooks) with side slot configuration.

DELL declares that WPCB-143G (FCC ID: MXF-C941103G) is limited in CH1~CH11 for 2.4 GHz by specified firmware controlled in U.S.A.

IC statement

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.

IMPORTANT NOTE:

IC Radiation Exposure Statement:

This equipment complies with IC radiation exposure limits set forth for an uncontrolled environment. End users must follow the specific operating instructions for satisfying RF exposure compliance. To maintain compliance with IC RF exposure compliance requirements, please avoid direct contact to the transmitting antenna during transmitting.

This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.