



# HARDWARE REFERENCE

Gateway Notebook





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# CHAPTER 1

## About this reference

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- [Accessing the online User Guide](#)
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## About this guide

This guide includes information and maintenance instructions that are specific to your model of Gateway convertible notebook. For all other convertible notebook information, see your online *User Guide*.

## Accessing the online User Guide

In addition to this guide, the online *User Guide* has been included on your hard drive. The *User Guide* is an in-depth, easy-to-read manual that includes information on the following topics:

- Help and technical support
- Using and customizing Windows and other software
- Controlling audio and video settings
- Using the Internet
- Protecting your files
- Playing and recording media
- Networking
- Maintenance and troubleshooting



### To access the online *User Guide*:

- Tap or click **Start, All Programs**, then tap or click **Gateway Documentation**.



## Gateway contact information

### Gateway model and serial number



#### Important

*The label shown in this section is for informational purposes only. Label information varies by model, features ordered, and location.*

The label on the bottom of your convertible notebook contains information that identifies your convertible notebook model and its features. Gateway Customer Care will need this information if you call for assistance.



# Microsoft Certificate of Authenticity

The Microsoft Certificate of Authenticity label found on the bottom of your convertible notebook includes the product key code for your operating system.



## For more information

For more information about your convertible notebook, visit Gateway's *Support* page at [www.gateway.com](http://www.gateway.com) or the Web address shown on your convertible notebook's label. The *Support* page also has links to additional Gateway documentation and detailed specifications.



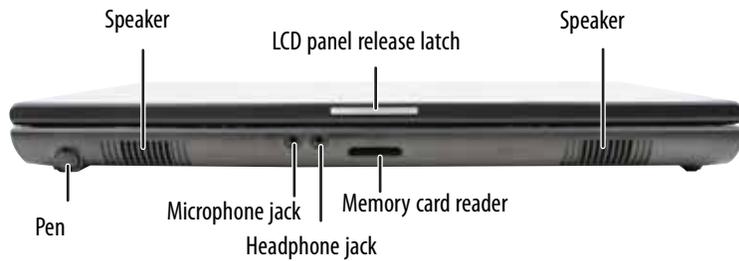
# CHAPTER 2

## Checking Out Your Convertible Notebook

- Identifying features
- Connecting the AC adapter
- Connecting the dial-up modem
- Connecting to a cable or DSL modem or to an Ethernet network
- Starting your convertible notebook
- Using the status indicators
- Using the keyboard
- Using the tablet control buttons
- Using the EZ Pad touchpad
- Using the display
- Using the pen
- Adjusting the volume
- Turning your wireless radio on or off
- Using the CD or DVD drive
- Using the memory card reader
- Adding and removing a PC Card
- Changing batteries
- Recalibrating the battery

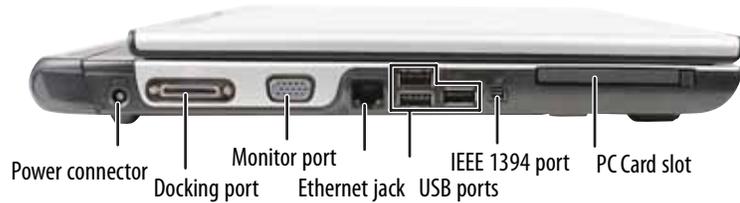
# Identifying features

## Front



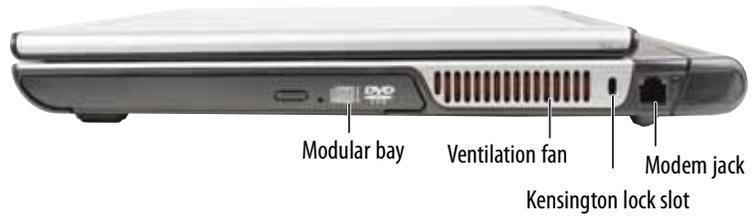
Component	Icon	Description
Speakers		Provide audio output when headphones or amplified speakers are not plugged in.
LCD panel release latch		Press to open the LCD panel.
Pen		Write, tap, and input directly on your convertible notebook's display using the cordless pen.
Microphone jack		Plug a microphone into this jack.
Headphone jack		Plug amplified speakers or headphones into this jack. The built-in speakers are turned off when speakers or headphones are plugged into this jack.
Memory card reader		Insert a memory card from a digital camera, MP3 player, PDA, or cellular telephone into the memory card reader. For more information, see <a href="#">"Using the memory card reader" on page 33</a> . The memory card reader supports Memory Stick®, Memory Stick Pro®, MultiMediaCard™, Secure Digital™, xD Picture Card, Mini Secure Digital™, and RS-MultiMediaCard™.

## Left



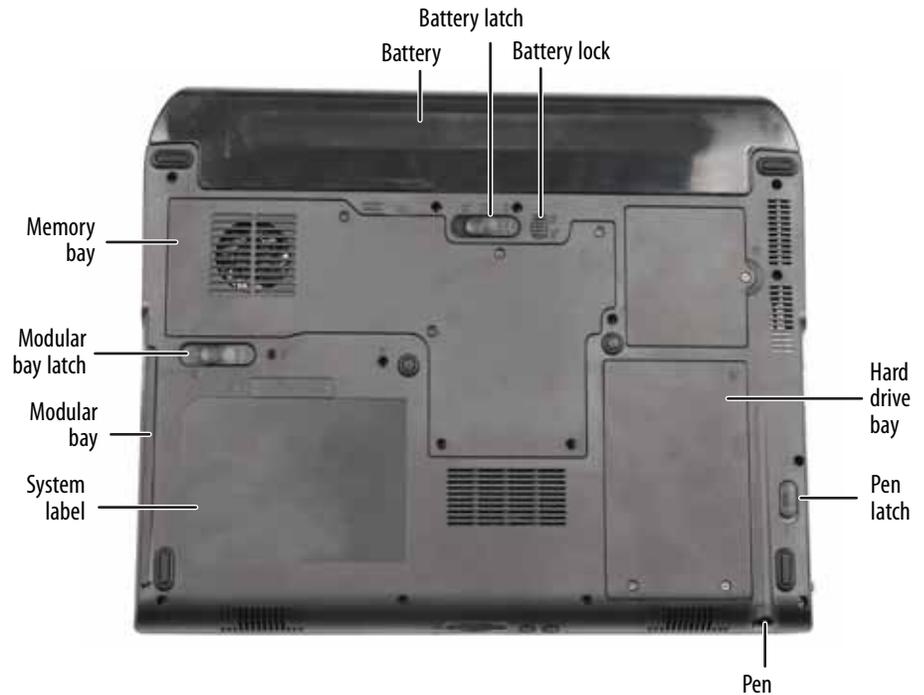
Component	Icon	Description
Power connector		Plug the AC adapter cable into this connector.
Docking port		Connect the port replicator to this port. <b>Warning:</b> Power is passed through this port. This docking connection is certified to UL 1950 for use only with port replicators designed for your Gateway convertible notebook.
Monitor port		Plug an analog VGA monitor or projector into this port. For more information, see <a href="#">"Viewing the display on a projector or monitor"</a> on page 36.
Ethernet jack		Plug an Ethernet network cable into this jack. Plug the other end of the cable into a cable modem, DSL modem, or an Ethernet network jack. For more information, see <a href="#">"Connecting to a cable or DSL modem or to an Ethernet network"</a> on page 13.
USB ports		Plug USB devices (such as a diskette drive, flash drive, printer, scanner, camera, keyboard, or mouse) into these ports.
IEEE 1394 port		Plug an IEEE 1394 (also known as Firewire® or i.Link®) device (such as a digital camcorder) into this 4-pin IEEE 1394 port. For more information, see <a href="#">"Connecting a video camera to your notebook"</a> on page 37.
PC Card slot		Insert one Type II PC Card into this slot. For more information, see <a href="#">"Adding and removing a PC Card"</a> on page 35.

## Right



Component	Icon	Description
Modular bay		Use this bay for a CD drive, DVD drive, combination DVD/CD-RW drive, multi-format DVD±RW drive, or multibay battery. For more information, see <a href="#">“Changing modules” on page 30</a> . To determine the type of drive in the modular bay, examine the drive tray’s plastic cover and compare the logo to those listed in <a href="#">“Identifying drive types” on page 32</a> . <b>Important:</b> To order a module other than the one that came with your convertible notebook, contact Gateway.
Ventilation fan		Helps cool internal components. <b>Warning:</b> Do not work for long periods with the convertible notebook resting on your lap. If the air vents are blocked, the convertible notebook may become hot enough to harm your skin. <b>Caution:</b> Do not block or insert objects into these slots. If these slots are blocked, your convertible notebook may overheat resulting in unexpected shutdown or permanent damage to the convertible notebook. <b>Caution:</b> Provide adequate space around your convertible notebook so air vents are not obstructed. Do not use the convertible notebook on a bed, sofa, rug, or other similar surface.
Kensington™ lock slot		Secure your convertible notebook to an object by connecting a Kensington cable lock to this slot.
Modem jack		Plug a modem cable into this jack. For more information, see <a href="#">“Connecting the dial-up modem” on page 12</a> .

## Bottom



Component	Icon	Description
Battery		Provides power when the convertible notebook is not plugged into AC power.
Battery latch		Slide to release the battery. For more information, see <a href="#">"Changing batteries" on page 38</a> .
Battery lock		Slide to unlock the battery. For more information, see <a href="#">"Changing batteries" on page 38</a> .
Hard drive bay		The hard drive is located in this bay. For more information, see <a href="#">"Replacing the hard drive" on page 47</a> .
Pen latch		Slide to release the pen.
Pen		Write, tap, and input directly on your convertible notebook's display using the cordless pen.
System label		Includes the product model number. For more information, see <a href="#">"Gateway model and serial number" on page 2</a> .
Modular bay		Use this bay for a CD drive, DVD drive, combination DVD/CD-RW drive, multi-format DVD±RW drive, or multibay battery. For more information, see <a href="#">"Changing modules" on page 30</a> . To determine the type of drive in the modular bay, examine the drive tray's plastic cover and compare the logo to those listed in <a href="#">"Identifying drive types" on page 32</a> . <b>Important:</b> To order a module other than the one that came with your convertible notebook, contact Gateway.

Component	Icon	Description
Modular bay latch		Slide to release the module. For more information, see <a href="#">“Changing modules” on page 30.</a>
Memory bay		Install a memory module into this bay. For more information, see <a href="#">“Adding or replacing memory” on page 44.</a>

## Keyboard area



Component	Icon	Description
Tablet control buttons		See <a href="#">“Using the tablet control buttons” on page 21</a> for a description of each button.
Status indicators		Inform you of the power status or when a drive is in use. For more information, see <a href="#">“Using the status indicators” on page 16.</a>
Microphone		Record audio through this microphone. The built-in microphone is turned off while an external microphone is connected. For the location of your microphone jack, see <a href="#">“Front” on page 6.</a>
Keyboard		Provides all the features of a full-sized, computer keyboard. For more information, see <a href="#">“Using the keyboard” on page 17.</a>
Touchpad		Provides all the functionality of a mouse. For more information, see <a href="#">“Using the EZ Pad touchpad” on page 23.</a>

Component	Icon	Description
Power button lock		Locks the power button so the convertible notebook cannot be accidentally turned off when using it in tablet mode.
Power button		Press to turn the power on or off. You can also configure the power button for Standby/Resume mode. For more information on configuring the power button mode, see "Changing Power-Saving Settings" in the online <i>User Guide</i> .

## Connecting the AC adapter

### Warning

Do not attempt to disassemble the AC adapter. The AC adapter has no user-replaceable or user-serviceable parts inside. The AC adapter has dangerous voltages that can cause serious injury or death. Contact Gateway about returning defective AC adapters.

### Caution

Make sure that you use the AC adapter that came with your convertible notebook or one of the same type purchased from Gateway. Replace the power cord if it becomes damaged. The replacement cord must be of the same type and voltage rating as the original cord or your convertible notebook may be damaged.

### Important

If the battery charge indicator does not turn blue after three hours, contact Gateway Customer Care at [www.gateway.com](http://www.gateway.com).

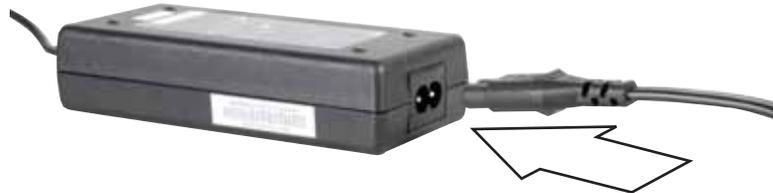
### Important

If the battery is not fully charged before you use your convertible notebook on battery power for the first time, the battery life may be much shorter than you expect. If the battery life seems short even after being charged for three hours, the battery may need to be recalibrated. For information on recalibrating the battery, see "Recalibrating the battery" on page 40.

You can run your convertible notebook using an AC adapter or your convertible notebook's battery. The battery was shipped to you partially charged. You should use the AC adapter right away to fully charge the battery. Allow three hours for the battery to fully charge.

### To connect the AC adapter:

- 1 Connect the power cord to the AC adapter.



- 2 Connect the AC adapter to your convertible notebook's power connector.



- 3 Plug the power cord into a wall outlet. The battery charge indicator turns on (see "Using the status indicators" on page 16 for the location of the battery charge indicator). If the battery charge indicator does not turn on, complete the following steps until it turns on:

- 1 Unplug the adapter from your notebook, then plug it back in.
- 2 Press **FN+F1** to toggle the status lights on and off.

- 4 When you finish using your convertible notebook for the first time, turn off your convertible notebook and leave your convertible notebook connected to AC power until the battery charge indicator turns blue.



## Protecting from power source problems

### **Warning**

High voltages can enter your convertible notebook through both the power cord and the modem connection. To protect your convertible notebook and avoid electrical shock, use a surge protector. If you have a telephone modem, use a surge protector that has a modem jack. If you have a cable modem, use a surge protector that has an antenna/cable TV jack. During an electrical storm, unplug both the surge protector and the modem.

During a power surge, the voltage level of electricity coming into your convertible notebook can increase to levels far above normal levels and cause data loss or system damage. Protect your convertible notebook and peripheral devices by connecting them to a *surge protector*, which absorbs voltage surges and prevents them from reaching your convertible notebook.

## Connecting the dial-up modem

### **Warning**

To reduce the risk of fire, use only No. 26 AWG or larger telecommunications line cord.

Your convertible notebook has a built-in 56K modem that you can use to connect to a standard telephone line.

### **To connect the modem:**

- 1 Insert one end of the modem cable into the modem jack  on the right side of your convertible notebook.



- 2 Insert the other end of the modem cable into a telephone wall jack. The modem will not work with digital or PBX telephone lines.
- 3 Start your convertible notebook, then start your communications program.



# Connecting to a cable or DSL modem or to an Ethernet network

Your convertible notebook has a network jack that you can use to connect to a cable or DSL modem or to an Ethernet network.

**▶ To connect to a cable or DSL modem or to an Ethernet network:**

- 1 Insert one end of the network cable into the network jack  on the left side of your convertible notebook.



- 2 Insert the other end of the network cable into a cable modem, DSL modem, or Ethernet network jack.



## Starting your convertible notebook

### Warning

Do not work for long periods with the convertible notebook resting on your lap. If the air vents are blocked, the convertible notebook may become hot enough to harm your skin.

### Caution

Provide adequate space around your convertible notebook so air vents are not obstructed. Do not use the convertible notebook on a bed, sofa, rug, or other similar surface.

### Important

If your convertible notebook does not turn on, make sure the Power Button Lock is in the unlocked position. For more information, see “[Keyboard area](#)” on page 10.

### Tips & Tricks

For more information about changing the power button mode, see “[Changing Power-Saving Settings](#)” in the online User Guide.

### To start your convertible notebook:

- 1 Press the latch on the front of your convertible notebook, then lift the LCD panel.
- 2 Press the power button located on the LCD panel.



- 3 If you are starting your convertible notebook for the first time, follow the on-screen instructions to set up your convertible notebook.



## Waking up your convertible notebook

### Tips & Tricks

For more information about Standby mode, see “[Changing power modes](#)” in the online User Guide.

When you have not used your convertible notebook for several minutes or if you close the LCD panel without turning off your convertible notebook, it may enter a power-saving mode called *Standby*. While in Standby, the power indicator flashes. If your convertible notebook is in Standby mode, press the power button to “wake” it up.

## Turning off your convertible notebook

### Important

If for some reason you cannot use the Turn Off Computer option in Windows to turn off your convertible notebook, press and hold the power button for about five seconds, then release it.

### Important

If the Pen Lost Alarm is turned on, and you turn off the convertible notebook without returning the pen to the pen holder, you will hear three beeps. This is to remind you to replace the pen. For more information about the Pen Lost Alarm, see “[Pen lost alarm](#)” on page 28.

### To turn off your convertible notebook:

- 1 Tap or click **Start**, then tap or click **Turn Off Computer**. The *Turn Off Computer* dialog box opens.
- 2 Tap or click **Turn Off**. Windows shuts down and turns off your convertible notebook.



# Restarting (rebooting) your convertible notebook



## Important

If your convertible notebook does not turn off immediately, complete the following steps until the convertible notebook turns off:

1. Press and hold the power button for about five seconds, then release it.
2. Unplug the power cord and remove the battery for more than 10 seconds.

If your convertible notebook does not respond to keyboard, touchpad, pen, or mouse input, you may have to close programs that are not responding. If closing unresponsive programs does not restore your convertible notebook to normal operation, you may have to restart (reboot) your convertible notebook.



## To close unresponsive programs and restart your convertible notebook:

- 1 Press the Windows Security button . The *Windows Security* dialog box opens. For more information, see [“Using the tablet control buttons” on page 21](#).

-OR-

Press **CTRL+ALT+DEL**. The *Windows Security* dialog box opens.

- 2 Tap or click **Task Manager**. The *Windows Task Manager* dialog box opens.
- 3 Tap or click the program that is not responding.
- 4 Tap or click **End Task**.
- 5 Tap or click **X** in the top-right corner of the *Windows Task Manager* dialog box.
- 6 If your convertible notebook does not respond, turn it off, wait ten seconds, then turn it on again.

As a part of the regular startup process, a program to check the disk status runs automatically. When the checks are finished, Windows starts.

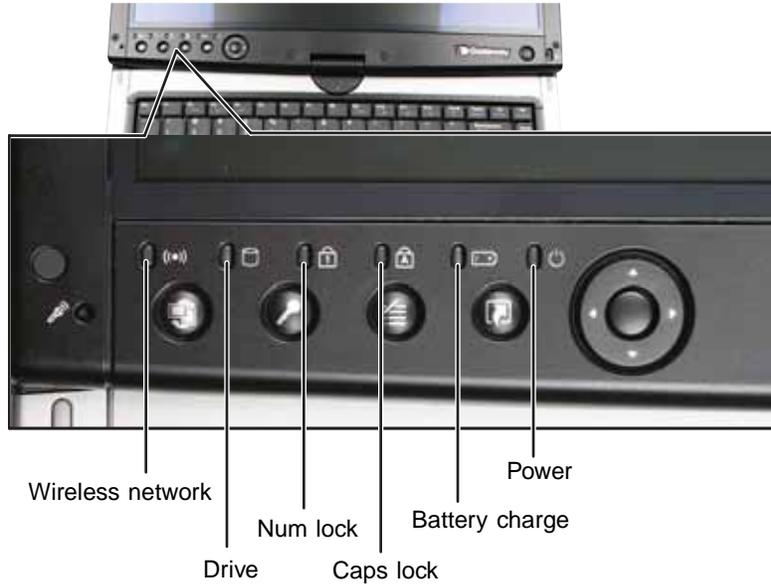


# Using the status indicators

**Important**

If none of the indicators are on, you may need to press **FN+F1** to toggle the status indicators on.

Status indicators inform you when a drive is being used or when a button has been pressed that affects how the keyboard is used. The status indicators are located below the touchpad.



Indicator	Icon	Description
Wireless network (optional)		<ul style="list-style-type: none"> <li>▪ LED on - Wireless network is turned on.</li> <li>▪ LED off - Wireless network is turned off.</li> </ul>
Drive		<ul style="list-style-type: none"> <li>▪ LED blinking - The hard drive, CD drive, or DVD drive is in use.</li> <li>▪ LED off - The hard drive, CD drive, or DVD drive is not in use.</li> </ul>
Num lock		<ul style="list-style-type: none"> <li>▪ LED on - Numeric keypad is turned on.</li> <li>▪ LED off - Numeric keypad is turned off.</li> </ul>
Caps lock		<ul style="list-style-type: none"> <li>▪ LED on - Caps lock is turned on.</li> <li>▪ LED off - Caps lock is turned off.</li> </ul>
Battery charge		<p>The LED shows the battery activity and status.</p> <ul style="list-style-type: none"> <li>▪ LED blue - battery is fully charged.</li> <li>▪ LED purple - battery is charging.</li> <li>▪ LED blinking red - battery charge is very low.</li> <li>▪ LED solid red - battery is malfunctioning.</li> </ul> <p>This LED only lights up when your convertible notebook is connected to AC power or the battery charge is very low.</p>
Power		<p>The LED shows your convertible notebook's power status.</p> <ul style="list-style-type: none"> <li>▪ LED on - convertible notebook is on.</li> <li>▪ LED blinking - convertible notebook is in Standby mode.</li> <li>▪ LED off - convertible notebook is off.</li> </ul>

# Using the keyboard



## Tips & Tricks

You can attach an external keyboard to the convertible notebook or port replicator using a USB port. You do not need to shut down the convertible notebook to connect a USB keyboard.

Your convertible notebook features a full-size keyboard that functions the same as a desktop computer keyboard. Many of the keys have been assigned alternate functions, including shortcut keys for Windows, function keys for specific system operations, and the Num Lock keys for the numeric keypad.



## Key types

The keyboard has several different types of keys. Some keys perform specific actions when pressed alone and other actions when pressed in combination with another key.

Key type	Icon	Description
Function keys		Press these keys labeled <b>F1</b> to <b>F12</b> to perform actions in programs. For example, pressing <b>F1</b> may open help. Each program uses different function keys for different purposes. See the program documentation to find out more about the function key actions.
System keys		Press these colored keys in combination with the <b>FN</b> key to perform specific actions. For more information, see <a href="#">"System key combinations"</a> on page 18.
Numeric keypad		Use these keys to type numbers when the numeric keypad is turned on. Press <b>FN+</b>  to turn on the numeric keypad.
<b>FN</b> key		Press the <b>FN</b> key in combination with a colored system key to perform a specific action.

Key type	Icon	Description
Windows key		Press this key to open the Windows <b>Start</b> menu. This key can also be used in combination with other keys to open utilities like <b>F</b> (Search utility), <b>R</b> (Run utility), and <b>E</b> (Explorer utility).
Application key		Press this key for quick access to shortcut menus and help assistants in Windows.
Arrow keys		Press these keys to move the cursor up, down, right, or left.
LCD brightness keys		Press these colored keys in combination with the <b>FN</b> key to control the screen brightness.
Navigation keys		Press these keys to move the cursor to the beginning of a line, to the end of a line, up the page, down the page, to the beginning of a document, or to the end of a document.
Volume keys		Press these colored keys in combination with the <b>FN</b> key to increase or decrease the volume or to turn off all sound.

## System key combinations

When you press the **FN** key and a system key at the same time, your convertible notebook performs the action identified by the text or icon on the key.

Press and hold FN, then press this system key...	To...
	Toggle the status indicators on or off. For more information, see <a href="#">"Using the status indicators" on page 16</a> .
	Turn the optional wireless network on or off. For more information, see "Wireless Networking" in your online <i>User Guide</i> . <b>Warning:</b> Radio frequency wireless communication can interfere with equipment on commercial aircraft. Current aviation regulations require wireless devices to be turned off while traveling in an airplane. IEEE 802.11g, IEEE 802.11b, and IEEE 802.11a communication devices are examples of devices that provide wireless communication.
	Enter Standby mode. Press the power button to leave Standby mode. For more information, see "Changing Power-Saving Settings" in your online <i>User Guide</i> .

**Press and hold FN, then press this system key...**

**To...**



Toggle the convertible notebook display in the following order:

- The LCD
- An external monitor or projector (a monitor or projector must be plugged into the monitor port on your convertible notebook)
- Both displays at the same time

For more information, see [“Viewing the display on a projector or monitor”](#) on page 36.



Display the power status box in the upper-left corner of your display. The box shows the battery charge level, the BIOS version, and whether the optional wireless network is being used. Press the key combination again to close this box.



Turn the optional Bluetooth feature on or off.  
**Warning:** Radio frequency wireless communication can interfere with equipment on commercial aircraft. Current aviation regulations require wireless devices to be turned off while traveling in an airplane. Bluetooth communication devices are examples of devices that provide wireless communication.



Increase the LCD panel brightness above the normal brightest setting. Use this feature in bright lighting situations, such as outside in bright sunlight. Press a second time to decrease the brightness below the normal lowest brightness setting. Use this feature in dim lighting situations. Press a third time to return the display to the normal brightness setting.  
**Important:** Using this feature will affect battery performance.



Play or pause the CD or DVD.



Stop playing the CD or DVD.



Skip back one CD song or DVD track.



Skip ahead one CD song or DVD track.

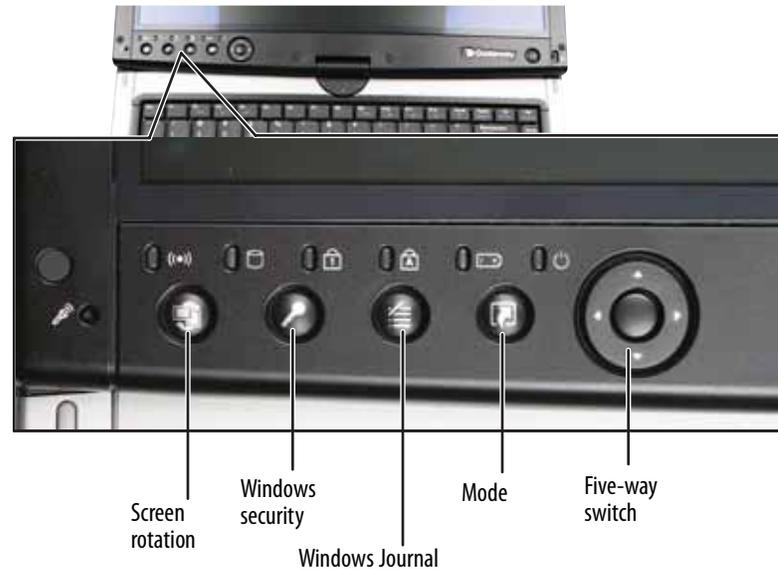


Turn on Num Lock so you can use the numeric keypad. Press this key combination again to turn off Num Lock. The Num Lock status indicator appears when this function is turned on.

Press and hold FN, then press this system key...	To...
	Increase the brightness of the display.
	Decrease the brightness of the display.
	Mute the sound. Press the key combination again to restore the sound. For more information, see <a href="#">"Adjusting the volume" on page 29</a> .
	Increase volume. For more information, see <a href="#">"Adjusting the volume" on page 29</a> .
	Decrease volume. For more information, see <a href="#">"Adjusting the volume" on page 29</a> .

## Using the tablet control buttons

Press the tablet control buttons to control the convertible notebook while it is in tablet mode.



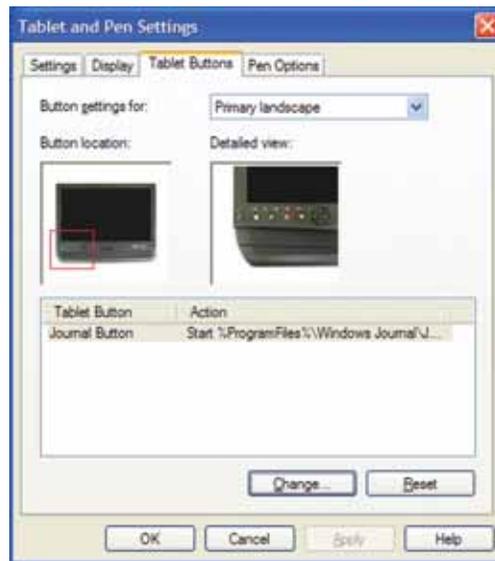
Button	Icon	Press to...
Screen rotation		Rotate the display orientation. For more information, see <a href="#">"Changing display orientation" on page 26</a> .
Windows security		Open the Windows Task Manager. This button is also used for domain authentication or to open the logon screen.
Windows Journal		Opens Windows Journal.
Mode		Select the mode for the five-way switch.
Five-way switch		<ul style="list-style-type: none"> <li>▪ Mode 1 (Default mode) - controls scrolling in documents and in your Internet browser as follows:               <ul style="list-style-type: none"> <li>▪ Up/Down - scrolling</li> <li>▪ Right/Left - Forward/Back (browser)</li> <li>▪ Center - Enter</li> </ul> </li> <li>▪ Mode 2 - controls audio and video as follows:               <ul style="list-style-type: none"> <li>▪ Up/Down - brightness controls</li> <li>▪ Right/Left - volume up and down</li> <li>▪ Center - mute volume.</li> </ul> </li> </ul>

## Programming the Windows Journal button

You can program the Windows Journal button to perform an action other than opening Windows Journal.

### ▶ To program the Windows Journal button:

- 1 Tap or click **Start**, then tap or click **Control Panel**. The *Control Panel* window opens. If your Control Panel is in Category View, tap or click **Printers and Other Hardware**.
- 2 Tap/Double-tap or click/double-click **Tablet and Pen Settings**. The *Tablet and Pen Settings* dialog box opens.
- 3 Tap or click the **Tablet Buttons** tab.



- 4 Tap or click **Journal Button**, then tap or click **Change**. The *Change Tablet Button Actions* dialog box opens.



- 5 Select an action, then, if applicable, select a program.



# Using the EZ Pad touchpad

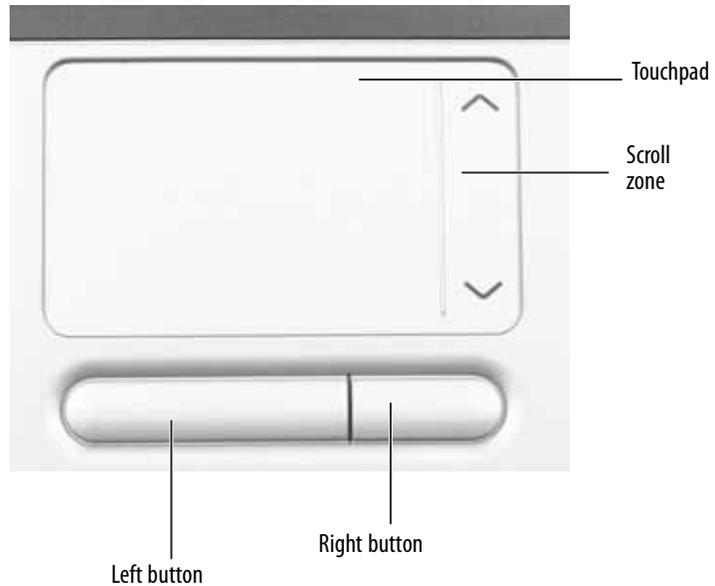
## Tips & Tricks

For instructions on how to adjust the double-click speed, pointer speed, right-hand or left-hand configuration, and other touchpad settings, see "Changing the mouse or touchpad settings" in the online User Guide.

## Tips & Tricks

You received your convertible notebook with the EZ Pad touchpad set to only accept clicking by using the touchpad buttons. You can change this feature to allow tapping on the touchpad to simulate clicking the left button. For more information, see "Changing the mouse or touchpad settings" in the online User Guide.

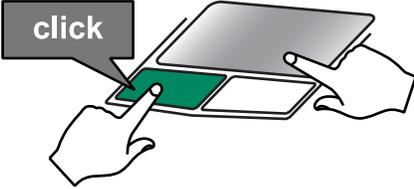
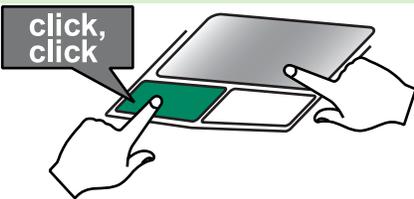
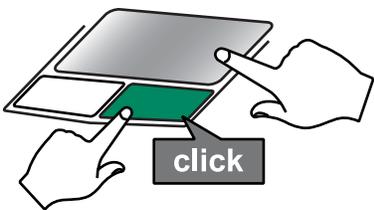
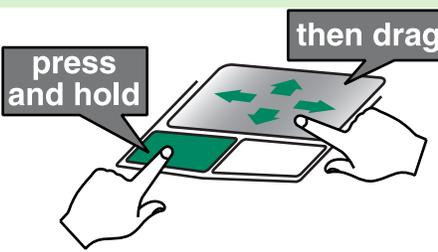
The EZ Pad™ consists of a touchpad, two buttons, and a scroll zone.



When you move your finger on the touchpad, the *pointer* (arrow) on the screen moves in the same direction. You can use the scroll zone to scroll through documents. Use of the scroll zone may vary from program to program.



You can use the EZ-Pad *left* and *right* buttons below the touchpad to select objects.

To...	Do this...	
<p>Move the pointer on the screen.</p>		<p>Move your finger around on the touchpad. If you run out of space and need to move the pointer farther, lift your finger, move it to the middle of the touchpad, then continue moving your finger.</p>
<p>Select an object on the screen.</p>		<p>Position the pointer over the object. Quickly press and release the left button once. This action is called <i>clicking</i>.</p>
<p>Start a program or open a file or folder.</p>		<p>Position the pointer over the object. Press the left button twice in rapid succession. This action is called <i>double-clicking</i>.</p>
<p>Access a shortcut menu or find more information about an object on the screen.</p>		<p>Position the pointer over the object. Quickly press and release the right button once. This action is called <i>right-clicking</i>.</p>
<p>Move an object on the screen.</p>		<p>Position the pointer over the object. Press the left button and hold it down, then use the touchpad to move (drag) the object to the appropriate part of the screen. Release the button to drop the object where you want it.</p>

## Using the display

Your convertible notebook's screen combines the eye-soothing readability of a liquid-crystal display with the responsiveness of a pen controller. The screen provides a hard, smooth writing surface, minimizes glare, and increases readability.

- Unlike other touchscreens and PDAs, your convertible notebook's display responds only to your convertible notebook's pen. Your convertible notebook will not respond to a PDA stylus or the touch of a fingertip.
- Steady your hand on the display surface while writing. The pressure of your hand or fingers will not affect any open programs.
- Switching from AC to battery power dims the display slightly to save battery power.

## Converting the display from notebook to tablet mode



### Important

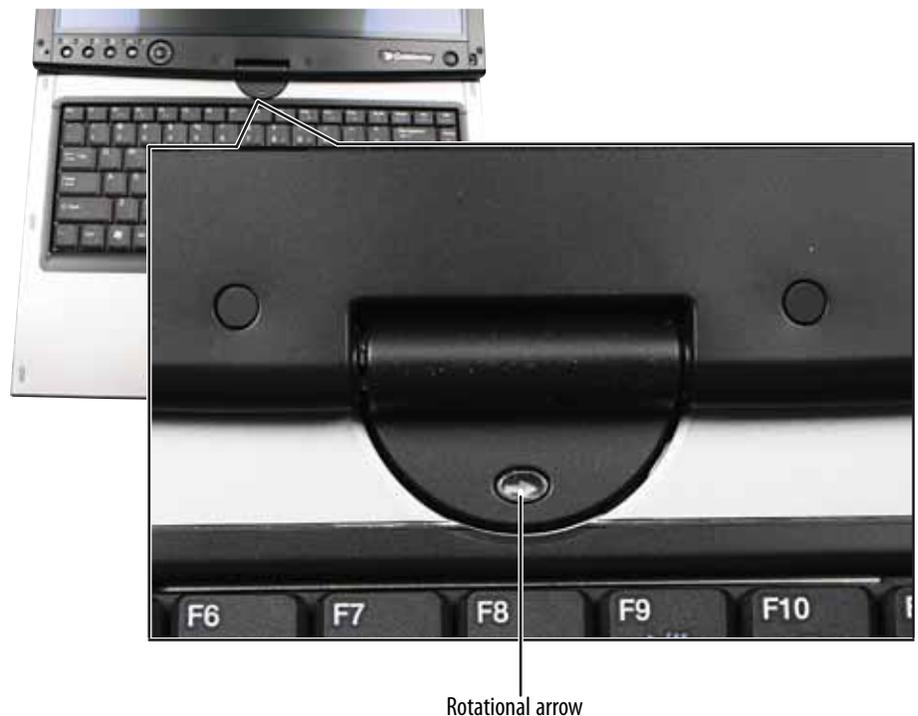
*Although you can use the pen to write on the screen when the convertible notebook is in notebook mode, for best results and maximum stability, only write on the screen while the convertible notebook is in tablet mode.*

You can convert the display from notebook to tablet mode with the convertible notebook turned on or off.



### To convert the display from notebook mode to tablet mode:

- 1 Open the LCD panel to the normal viewing position.
- 2 Locate the rotation direction arrow on the LCD panel hinge.



- 3 Rotate the LCD panel in the direction of the rotational arrow until the back of the panel is facing you. The panel *soft-locks* into the final position.

- 4 Close the LCD panel onto the keyboard. There is a click when the LCD panel latch locks.



- 5 Slide the power button lock into the locked position to prevent the convertible notebook from being accidentally turned off.



## Changing display orientation

You can change the display orientation from the default, landscape (horizontal), to portrait (vertical) or secondary landscape (180 degrees from the default) using the Screen Rotation button.



### To change display orientation:

- Press the Screen Rotation button to step through display orientations. For more information, see [“Using the tablet control buttons” on page 21](#).



### To change orientation properties:

- Double-tap or double-click the **Tablet and Pen Settings** icon  in the taskbar, then tap or click the **Display** tab.



## Adjusting brightness



### To adjust screen brightness:

- Use the increase brightness and decrease brightness keys on the keyboard. For more information, see [“System key combinations” on page 18](#).



## Using the pen



### Caution

A finger-tap or PDA stylus has no effect on your convertible notebook's display, and ink pens and other pointed objects could damage the surface. Always use the pen that came with your convertible notebook. You can order extra pens from Gateway.



### Caution

Do not strike the display too sharply. Although the display is durable, it can break.

Your convertible notebook's pen is the only device that can write, tap, and input directly on your convertible notebook's display.

The pen can do everything a mouse does. Just think "tap" instead of "click".

With a mouse:	With a pen:
Point and click	Point and tap
Double-click	Double-tap
Click-and-drag	Tap-and-drag
Right-click	Button-tap (press the pen button while tapping or press and hold with the pen)

## Storing and removing the pen



### To store the pen in your convertible notebook:

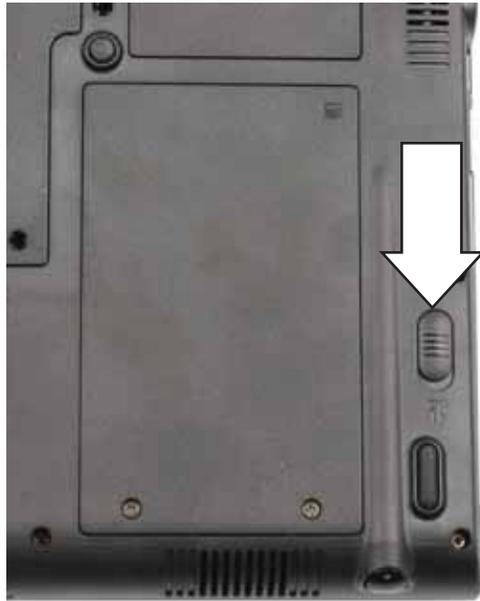
- 1 Locate the pen holder on the bottom of your convertible notebook. For more information, see ["Bottom" on page 9](#).
- 2 Slide the pen into the holder until the pen clicks into place.



### To remove the pen from our convertible notebook:

- 1 Locate the pen latch on the bottom of your convertible notebook. For more information, see ["Bottom" on page 9](#).

- 2 Slide the pen latch until the pen is released from the pen holder.



## Pen lost alarm

Your convertible notebook can sound a series of three beeps if the pen is not in the pen holder when you turn the convertible notebook off or place it in either Standby or Hibernate mode. This feature is shipped from the factory turned off.



### To turn on the pen lost alarm:

- 1 As soon as your convertible notebook starts and you see a startup screen, press **F2**. The BIOS Setup utility opens.
- 2 Open the **Advanced** menu.
- 3 Highlight **Pen Lost Alarm**, then select **Enabled** by pressing the spacebar.
- 4 Open the **Exit** menu, then highlight **Exit Saving Changes** and press **ENTER**.



## Adjusting the volume



### Tips & Tricks

For instructions on how to adjust the volume in Windows, see "Adjusting the Volume" in the online User Guide.

You can use the volume control to adjust the overall volume of your convertible notebook.



#### To adjust the overall volume level using hardware controls:

- If you are using external speakers, turn the knob on the front of the speakers.

-OR-

Use the five-way switch. For more information, see "Using the tablet control buttons" on page 21.

-OR-

Use the mute and volume control buttons on the keyboard. For more information, see "System key combinations" on page 18.



## Turning your wireless radio on or off



### Warning

Radio frequency wireless communication can interfere with equipment on commercial aircraft. Current aviation regulations require wireless devices to be turned off while traveling in an airplane. IEEE 802.11a, IEEE 802.11b, IEEE 802.11g, and Bluetooth communication devices are examples of devices that provide wireless communication.



### Warning

In environments where the risk of interference to other devices or services is harmful or perceived as harmful, the option to use a wireless device may be restricted or eliminated. Airports, hospitals, and oxygen or flammable gas laden atmospheres are limited examples where use of wireless devices may be restricted or eliminated. When in environments where you are uncertain of the sanction to use wireless devices, ask the applicable authority for authorization prior to use or turning on the wireless device.



### Tips & Tricks

For more information about using your convertible notebook on a wireless network, see "Wireless Networking" in the online User Guide.

Your Gateway convertible notebook may have a factory-installed wireless networking mini-PCI card.



#### To turn the wireless radio on or off:

- Press **FN + F2**. The wireless status indicator turns on or off. For the location of the wireless status indicator, see "Using the status indicators" on page 16.



#### To turn the Bluetooth radio on or off:

- Press **FN + F6**.



## Changing modules

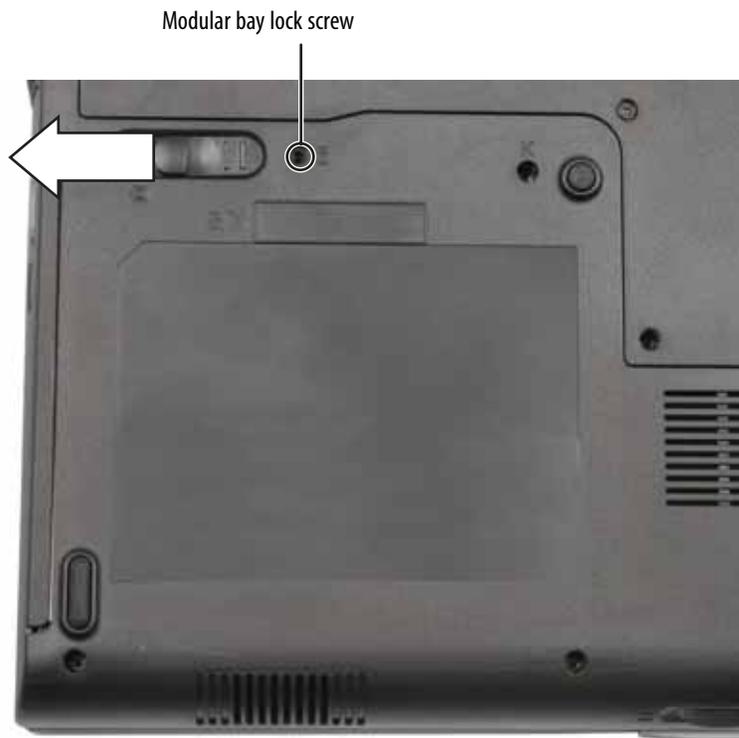
Your convertible notebook's modular bay supports different *bay modules*, such as a CD, DVD, combination DVD/CD-RW, or multi-format DVD±RW drive or multibay battery.

### ▶ To change bay modules:

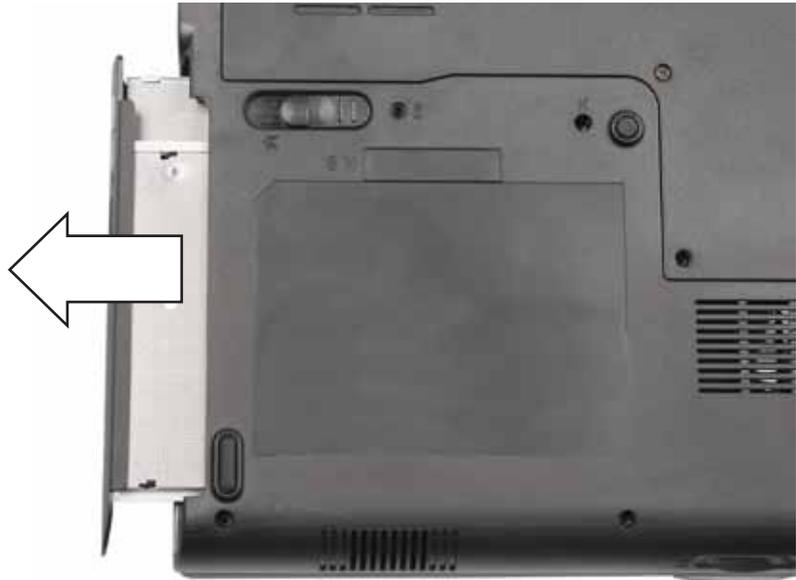
- 1 If you are removing a drive, make sure that there is no disc in it.
- 2 Make sure that the convertible notebook is not in Standby or Hibernate mode.
- 3 Make sure that the LCD panel is in notebook mode, then close the LCD panel.
- 4 Disconnect your convertible notebook from the optional port replicator.
- 5 Turn your convertible notebook over so the bottom is facing up.
- 6 Remove the modular bay lock screw (if one is present), then slide and hold the module bay latch. The module may move out slightly.

#### ⚠ Caution

Turn of the convertible notebook if it does not have a charged battery and is not directly connected to AC power.



- 7 Slide the module out.



- 8 Firmly push the new module straight into the bay until the latch clicks into place.
- 9 Replace the module bay lock screw.



# Using the CD or DVD drive

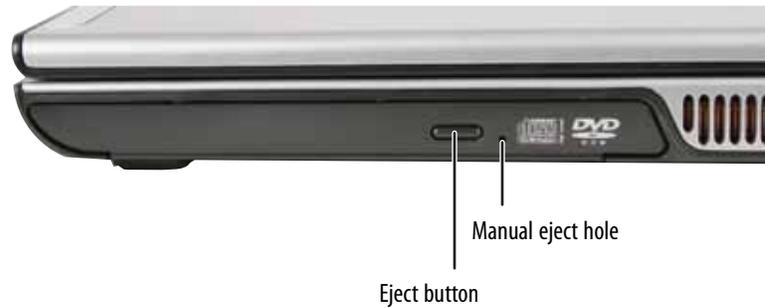
You can use your convertible notebook to enjoy a wide variety of multimedia features.

## Identifying drive types

Your Gateway convertible notebook may contain one of the following drive types. Look on the front of the drive for one or more of the following logos:

If your drive has this logo...	This is your drive type...	Use your drive for...
	<b>CD drive</b>	Installing programs, playing audio CDs, and accessing data. You cannot use this drive to create CDs or DVDs or play DVDs.
	<b>DVD drive</b>	Installing programs, playing audio CDs, playing DVDs, and accessing data. You cannot use this drive to create CDs or DVDs.
	<b>Combination DVD/CD-RW drive</b>	Installing programs, playing audio CDs, playing DVDs, accessing data, and recording music and data to recordable CDs. You cannot use this drive to create DVDs.
	<b>Multi-format double layer DVD±RW/CD-RW drive</b>	Installing programs, playing audio CDs, playing DVDs, accessing data, recording music and data to CD-R or CD-RW discs, and recording video and data to DVD-R, DVD+R, DVD-RW, DVD+RW, or double layer DVD+R discs. <b>Note:</b> To use the double layer capability of the double layer recordable DVD drive, the blank DVDs you purchase must state Double Layer, Dual Layer, or DL. Using other types of blank media will result in less capacity.

## Inserting a CD or DVD



### ▶ To insert a CD or DVD:

- 1 Press the eject button on the CD or DVD drive. After the tray opens slightly, pull the disc tray completely open.
- 2 Place the disc in the tray with the label facing up, then press down carefully on the disc until it snaps into place.
- 3 Push the tray in until it is closed.



#### Important

*When you place a single-sided disc in the tray, make sure that the label side is facing up. If the disc has two playable sides, place the disc so the name of the side you want to play is facing up.*

## Using the memory card reader

You can use memory cards to transfer pictures from a digital camera to your convertible notebook. You can also use the memory card reader to transfer data between your convertible notebook and a device that uses memory cards, such as a PDA, MP3 player, or cellular telephone.

### Memory card types



#### Important

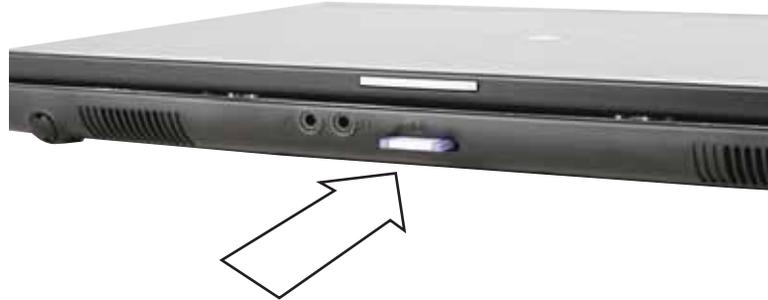
*RS-Multimedia Card and Mini Secure Digital cards require the use of an adapter that is available with the media.*

The memory card reader supports Memory Stick®, Memory Stick Pro®, MultiMediaCard™, Secure Digital™, xD Picture Card, Mini Secure Digital™, and RS-MultiMediaCard™.

## Inserting a memory card

### ▶ To insert a memory card:

- Insert the memory card into the memory card slot with the label facing up and the arrow on the label pointing towards the convertible notebook.



## Using a memory card

### ▶ To access a file on a memory card:

- 1 Tap or click **Start**, then tap or click **My Computer**.
- 2 Double-tap or double-click the drive letter (for example, the E: drive), then double-tap or double-click the file name.



## Removing a memory card

 **Important**  
Do not use the remove hardware icon in the taskbar to remove the memory card. If you use the remove hardware icon, your convertible notebook may not recognize your memory card reader until you restart your convertible notebook.

### ▶ To remove a memory card:

- 1 Push the memory card into the convertible notebook. The memory card pops out slightly.
- 2 Pull the memory card out of the convertible notebook.



# Adding and removing a PC Card

Your convertible notebook has a PC Card slot (also known as a PCMCIA card slot). This slot accepts one Type II card. You do not need to restart your convertible notebook when changing most cards because your convertible notebook supports *hot-swapping*. Hot-swapping means that you can insert a PC Card while your convertible notebook is running. If your PC Card does not work after hot-swapping, see the PC Card manufacturer's documentation for further information.

 **To insert a PC Card:**

- Push the card firmly into the PC Card slot with the label-side up until the outer edge of the card is flush with the side of your convertible notebook.



 **To remove a PC Card:**

- 1 Tap or click the remove hardware  icon in the taskbar, the PC Card name, then tap or click **Stop**.

-OR-

Turn off your convertible notebook.

- 2 Release the eject button by pressing the PC Card eject button once.
- 3 Eject the PC Card by pressing the eject button again.



 **Important**  
If the remove hardware icon does not appear on the taskbar, tap or click the show hidden icons  button.

## Installing a printer, scanner, digital camera, or other peripheral device

### Important

Before you install a printer, scanner, or other peripheral device, see the device documentation and installation instructions.

### Tips & Tricks

For the location of these ports on an optional port replicator, see the port replicator user guide.

### Help and Support

For more information about installing peripheral devices, click **Start**, then click **Help and Support**. Type the keyword **installing devices** in the **Search** box, then click the arrow.

Your notebook or optional port replicator has one or more of the following ports: IEEE 1394 (also known as Firewire® or i.Link®), Universal Serial Bus (USB), serial, and parallel printer. You use these ports to connect peripheral devices such as printers, scanners, and digital cameras to your notebook or port replicator.

IEEE 1394 and USB ports support *plug-and-play* and *hot swapping*, which means that your notebook will usually recognize such a device whenever you plug it into the appropriate port. When you use an IEEE 1394 or USB device for the first time, your notebook will prompt you to install any software the device needs. After doing this, you can disconnect and reconnect the device at any time.

### Installing a USB printer or scanner

USB devices may have special installation instructions. See your USB device's installation guide.

## Viewing the display on a projector or monitor

### Important

The dialog boxes shown in this section are for demonstrative purposes only and may not represent the screens on your notebook.

### Important

Press **FN+F4** to switch between viewing the display on the LCD panel and viewing the display on the projector or monitor.

### Important

If an external monitor or projector is connected and you close the LCD panel, your notebook may turn off the LCD panel, but will not enter Standby mode.

### Tips & Tricks

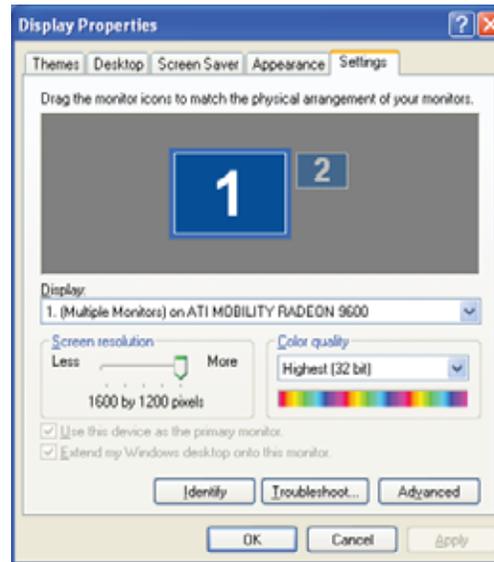
For the location of the VGA port on your notebook, see **"Left"** on page 7. For the location of the VGA port on an optional port replicator, see the port replicator user guide.

You can use your notebook for giving presentations by connecting an external monitor or projector to your monitor (VGA) port. Your notebook supports simultaneous LCD and external display. Simultaneous display lets you control the presentation from your notebook and at the same time face your audience.

### To use a projector or external monitor:

- 1 Turn off your notebook.
- 2 Plug the projector or monitor cable into the VGA port  on your notebook or optional port replicator.
- 3 Turn on your notebook.
- 4 Plug the projector's or monitor's power cord into an AC power source and turn it on. Windows recognizes the new hardware and searches for its driver. You may need to install the driver from the disc supplied by the manufacturer or download the driver from the manufacturer's Web site.
- 5 After the driver is installed, right-click any empty space on the desktop, then click **Properties**. The *Display Properties* dialog box opens.

- 6 Tap or click the **Settings** tab.



- 7 Button-tap or right-click the second monitor icon (labeled 2), then tap or click **Attached**.
- 8 Tap or click **Apply**.
- 9 Adjust properties such as **Screen Resolution** or **Color Quality** if necessary.
- 10 Tap or click **OK**.



## Connecting a video camera to your notebook



### Important

For more information about using the IEEE 1394 port on your video camera, see your camera's documentation.



### Tips & Tricks

For the location of the IEEE 1394 port on your notebook, see "Left" on page 7. For the location of the IEEE 1394 port on an optional port replicator, see the port replicator user guide.



### Tips & Tricks

For more information about editing video, see "Creating and editing videos" in the online User Guide.

Your notebook has a 4-pin IEEE 1394 port (also known as a Firewire® or i.Link® port) for connecting devices such as a video camera.



### To connect your video camera to your notebook:

- 1 Connect one end of the IEEE 1394 cable to your video camera.
- 2 Connect the other end of the cable to the IEEE 1394 port  on your notebook or optional port replicator.



## Using an optional port replicator

Although you can attach devices directly to your notebook, a port replicator lets you make all of those connections at one time. When you travel with your notebook, you merely disconnect from the port replicator instead of unplugging all the devices.

A port replicator also provides additional ports and other expansion features not included with your notebook. For more information about using a port replicator, see the port replicator user guide.

## Changing batteries

### Warning

*Danger of explosion if battery is incorrectly replaced. Replace only with a battery specifically manufactured for your Gateway convertible notebook. Discard used batteries according to local hazardous material regulations.*

*The battery used in this device may present a fire or chemical burn hazard if mishandled. Do not disassemble, heat above 212°F (100°C), or incinerate. Dispose of used battery promptly. Keep away from children.*

If your convertible notebook is connected to AC power, or if it has a charged multibay battery installed, you can change the main battery while the convertible notebook is turned on. If your convertible notebook has only one battery and it is not plugged into an AC outlet, you must turn the convertible notebook off while changing the battery.

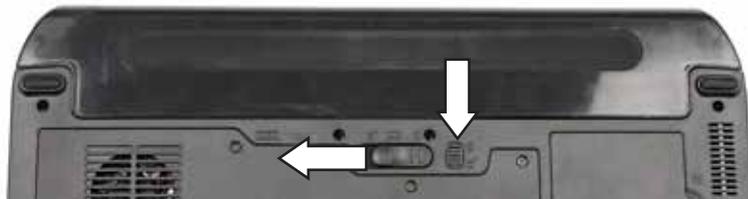
### To change the main battery:

- 1 Disconnect your convertible notebook from the optional port replicator.
- 2 If your convertible notebook is on and is connected to AC power or has a charged multibay battery installed, go to [Step 3](#).

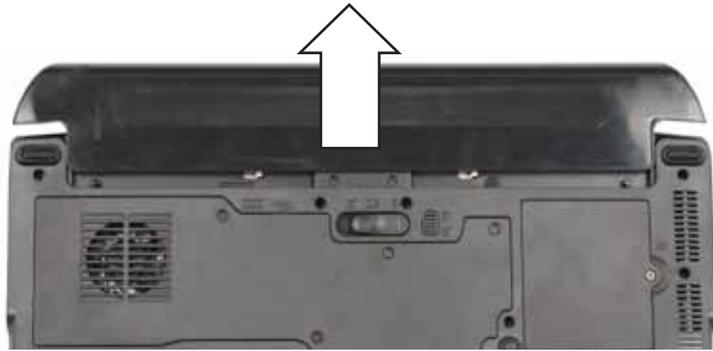
-OR-

If your convertible notebook is on, is not plugged into an AC outlet, and does not have a charged multibay battery installed, save your work and turn off the convertible notebook.

- 3 Make sure the LCD panel is in notebook mode, then close the LCD panel.
- 4 Turn your convertible notebook over so the bottom is facing up.
- 5 Slide the battery lock to the unlocked position, then slide the battery release latch.



- 6 Slide the battery out of the bay.



- 7 Slide a recharged battery into the bay until it snaps into place.  
 8 Slide the battery lock to the locked position.  
 9 Turn your convertible notebook over.  
 10 Open the LCD panel.



## Installing a multibay battery

### **Warning**

*Danger of explosion if battery is incorrectly replaced. Replace only with a battery specifically manufactured for your Gateway convertible notebook. Discard used batteries according to local hazardous material regulations.*

*The battery used in this device may present a fire or chemical burn hazard if mishandled. Do not disassemble, heat above 212°F (100°C), or incinerate. Dispose of used battery promptly. Keep away from children.*

### **Caution**

*If you are using a multibay battery instead of a main battery, insert the weight saver that was included with your multibay battery into the main battery bay.*

Your convertible notebook's modular bay accepts a multibay battery. The multibay battery charges when the convertible notebook is connected to AC power.

### **To install a multibay battery:**

- Swap the multibay battery for a bay module by following the instructions in ["Changing modules" on page 30](#).



# Recalibrating the battery

## Important

*Do not interrupt the battery recalibration process. If recalibration is interrupted, you must start the process over again.*

If your convertible notebook unexpectedly goes into Standby mode while you are using it but the battery charge is not low, you may need to recalibrate your battery. You should also recalibrate the battery periodically to maintain the accuracy of the battery gauge.

### To recalibrate the battery:

- 1 Connect the AC adapter, then turn on your convertible notebook.
- 2 As soon as it starts and you see a startup screen, press **F2**. The BIOS Setup utility opens.
- 3 Open the **Advanced** menu.
- 4 Highlight **Battery Auto Learning**, then select **Enabled** by pressing the spacebar.
- 5 Open the **Exit** menu, then highlight **Exit Saving Changes** and press **ENTER**.
- 6 Select **Yes**, then press **ENTER**.

The battery recalibration process begins and a screen opens showing you the progress. The entire process will take several hours.

When the recalibration has finished, the message “Press [Esc] key to exit” appears.

- 7 Press **Esc**. The battery charge indicator now displays an accurate battery charge. If the battery charge indicator does not show an accurate charge, contact Gateway Customer Care at [www.gateway.com](http://www.gateway.com).



# Ordering accessories

To order accessories, visit the Accessory Store at [www.gateway.com](http://www.gateway.com).

## Batteries

If you run your convertible notebook on battery power for extended periods, you may want to buy an additional battery or a multibay battery so you can swap batteries when necessary. See “[Changing batteries](#)” on page 38 for more information about using an additional battery.

## Carrying cases

Gateway has large-capacity carrying cases if you need additional space for accessories or supplies.

## Memory

Large programs, such as multimedia games or graphics programs, use a lot of memory. If your programs are running more slowly than you think they should, try adding more memory. See “[Adding or replacing memory](#)” on page 44 for more information.

## Pens

Order replacement tablet pens from Gateway. The convertible notebook does not respond to other tablet pens, plastic pens, or PDA stylus.

## Port replicators

Although you can attach devices directly to your convertible notebook, a port replicator lets you make all of those connections at one time. When you travel with your convertible notebook, you merely disconnect from the port replicator instead of unplugging all the devices.

A port replicator also provides additional ports and other expansion features not included with your convertible notebook. See the user guide for the port replicator for more information about using a port replicator with your convertible notebook.

## Printers

You can attach almost any type of printer to your convertible notebook. The most common types are inkjet and laser printers, which print in color or black and white.

Inkjet printers and cartridges are relatively inexpensive, but they are slower than laser printers. Using an inkjet color printer, you can print pictures, banners, and greeting cards, as well as documents.

Laser printers and cartridges are more expensive, but they print much faster than inkjet printers. Laser printers are better than inkjet printers when you are printing large documents.

## USB flash drive

Use a USB flash drive for storing files or transferring files to another computer.



# CHAPTER 3

## Maintaining and Upgrading Your Notebook

- Preventing static electricity discharge
- Adding or replacing memory
- Replacing the hard drive
- Replacing the keyboard

## Preventing static electricity discharge

### Warning

To avoid exposure to dangerous electrical voltages and moving parts, turn off your convertible notebook and unplug the power cord, modem cable, and network cable before opening the case.

### Warning

To prevent risk of electric shock, do not insert any object into the vent holes of the convertible notebook.

### Important

Before installing or replacing components, you should read and understand the information in this section.

The components inside your convertible notebook are extremely sensitive to static electricity, also known as *electrostatic discharge* (ESD).

Before installing or replacing components, follow these guidelines:

- Avoid static-causing surfaces such as carpeted floors, plastic, and packing foam.
- Remove components from their antistatic bags only when you are ready to use them. Do not lay components on the outside of antistatic bags because only the inside of the bags provide electrostatic protection.
- Always hold components by their edges. Avoid touching the edge connectors. Never slide components over any surface.
- Wear a grounding wrist strap (available at most electronics stores) and attach it to a bare metal part of your workbench or other grounded connection.
- Touch a bare metal surface on your workbench or other grounded object.

## Adding or replacing memory

### Important

Use only memory modules designed for your Gateway convertible notebook.

### Tools Required

You need a small Phillips screwdriver to replace memory.

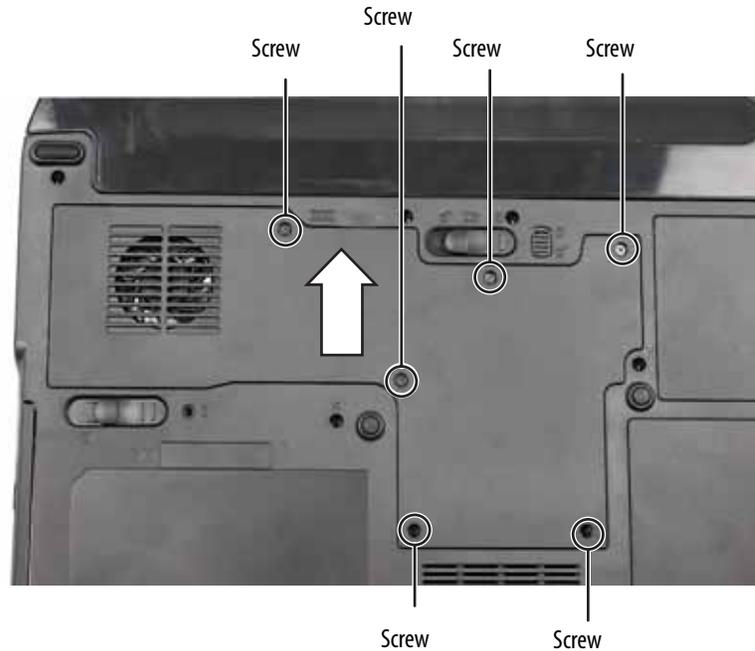
Your convertible notebook uses memory modules called SO-DIMMs (Small Outline Dual Inline Memory Modules). The modules are available in various capacities and any module can be placed in the slot.



### To add or replace memory modules:

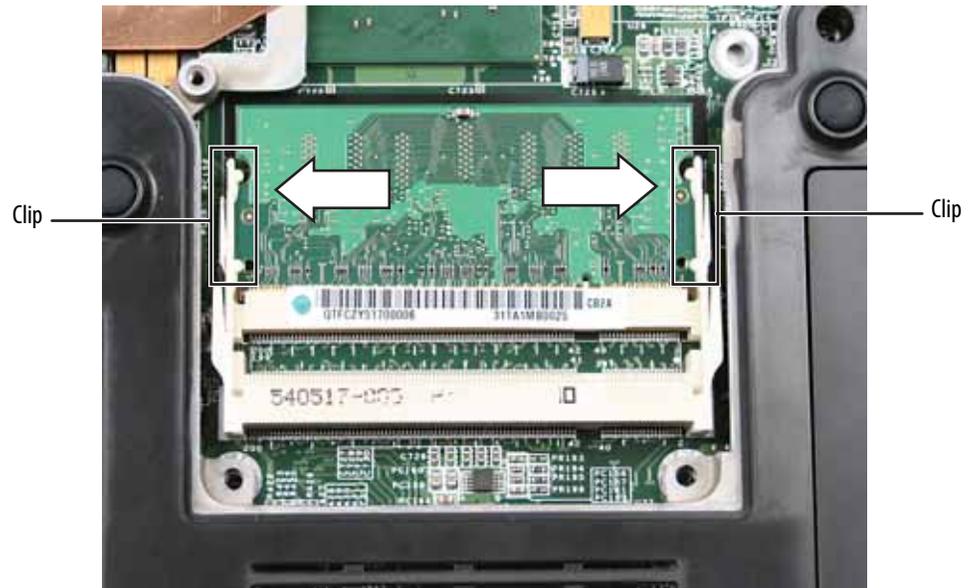
- 1 Follow the guidelines under [“Preventing static electricity discharge” on page 44](#).
- 2 Turn off your convertible notebook.
- 3 Make sure the LCD panel is in notebook mode, then close the LCD panel.
- 4 Unplug the optional port replicator from the notebook.

- 5 Disconnect the AC adapter, modem cable, and network cable if they are connected to the convertible notebook.
- 6 Disconnect all peripheral devices connected to the convertible notebook and remove any PC cards.
- 7 Turn your convertible notebook over so the bottom is facing up, then remove the main and optional multibay batteries. For more information, see ["Changing batteries" on page 38](#).
- 8 Loosen the six memory bay cover screws that secure the memory cover. (These screws cannot be removed.)



- 9 Remove the memory bay cover. Be careful not to break off the tabs located on the bottom of the cover. Slide the cover in the direction shown. If the cover does not slide easily, wiggle the cover to loosen it

- 10 If you are removing a module, gently press outward on the clip at each end of the memory module until the module tilts upward.



- 11 Pull the memory module out of the slot.



- 12 Hold the new or replacement module at a 30-degree angle and press it into the empty memory slot. This module is keyed so it can only be inserted in one direction. If the module does not fit, make sure that the notch in the module lines up with the tab in the memory bay.
- 13 Replace the memory bay cover, then replace the cover screw.
- 14 Insert the main and optional multibay batteries, then turn your convertible notebook over.

15 Connect the optional port replicator.

-OR-

Connect the power adapter, modem cable, and network cable, then turn on your convertible notebook.



## Replacing the hard drive



### Tools Required

You need a small Phillips screwdriver to replace the hard drive.

If you would like more hard drive capacity, you can replace your original drive with a higher-capacity drive.



### ▶ To replace the hard drive:

- 1 Create a *Drivers and Applications Recovery* disc. For more information, see “Creating Drivers and Applications Recovery discs” in the online *User Guide*.
- 2 Print the “Recovering Your System” chapter from the online *User Guide* for use in [Step 22](#).
- 3 Back up any data you want to transfer to the new hard drive. For more information, see “Backing up files” in the online *User Guide*.
- 4 Follow the guidelines under “[Preventing static electricity discharge](#)” on [page 44](#).
- 5 Turn off your convertible notebook.
- 6 Make sure the LCD panel is in notebook mode, then close the LCD panel.
- 7 Unplug the optional port replicator from the notebook.
- 8 Disconnect the AC adapter, modem cable, and network cable if they are connected to the convertible notebook.

- 9 Disconnect all peripheral devices connected to the convertible notebook and remove any PC cards.
- 10 Turn your convertible notebook over so the bottom is facing up, then remove the main and optional multibay batteries. For more information, see ["Changing batteries" on page 38](#).
- 11 Loosen the two hard drive bay cover screws (they cannot be removed), then remove the hard drive bay cover.

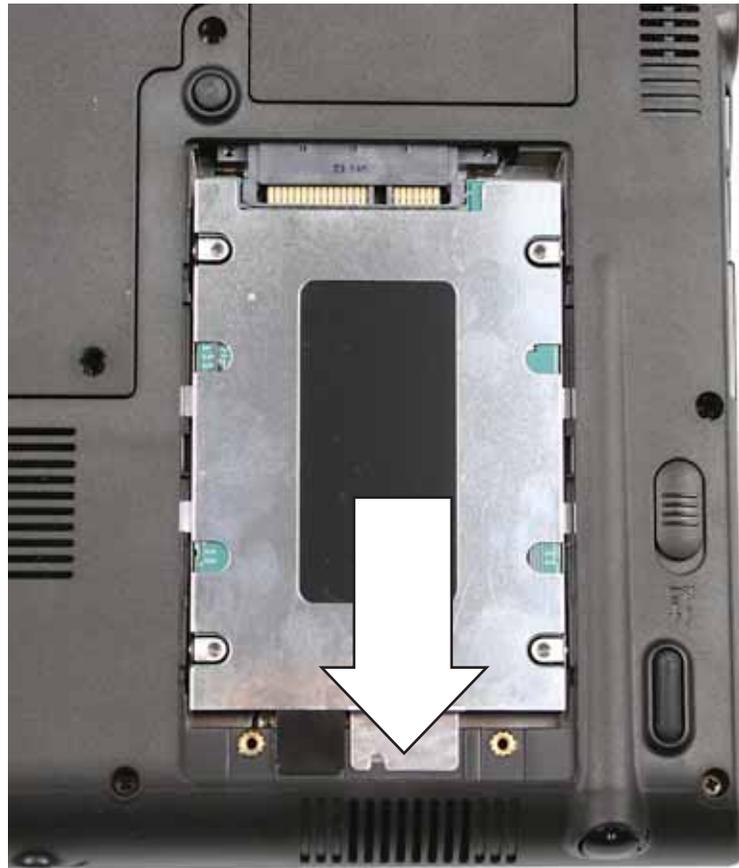


**12** Remove the hard drive screw.



Screw

- 13 Slide the old hard drive out of the convertible notebook.



- 14 Remove the four screws that secure the hard drive to the hard drive bracket.



- 15 Remove the bracket from the old drive.
- 16 Insert the new drive into the bracket, label side up, so the screw holes line up.
- 17 Replace the four screws that secure the bracket to the drive.
- 18 Slide the new hard drive into your convertible notebook, then replace the screw that secures the hard drive to your convertible notebook.
- 19 Replace the hard drive bay cover, then tighten the cover screws.
- 20 Insert the main and optional multibay batteries, then turn your convertible notebook over.
- 21 Connect the optional port replicator.  
-OR-  
Connect the power adapter, modem cable, and network cable, then turn on your convertible notebook.
- 22 For instructions on installing Windows, your drivers, and your applications, see the *Recovering Your System* chapter you printed in [Step 2](#).



# Replacing the keyboard

## Important

Replace the keyboard only with a similar keyboard provided by Gateway.

## Tools Required

You need a small Phillips and a small flat-blade screwdriver to replace the keyboard.

If your keyboard becomes damaged, you can replace it with a similar keyboard obtained from Gateway.

## Removing the keyboard

### To remove the keyboard:

- 1 Follow the guidelines under [“Preventing static electricity discharge” on page 44](#).
- 2 Turn off your convertible notebook.
- 3 Make sure the LCD panel is in notebook mode, then close the LCD panel.
- 4 Unplug the optional port replicator from the notebook.
- 5 Disconnect the AC adapter, modem cable, and network cable if they are connected to the convertible notebook.
- 6 Disconnect all peripheral devices connected to the convertible notebook and remove any PC cards.
- 7 Turn your convertible notebook over so the bottom is facing up, then remove the main and optional multibay batteries. For more information, see [“Changing batteries” on page 38](#).
- 8 Remove the two keyboard screws marked with a K.

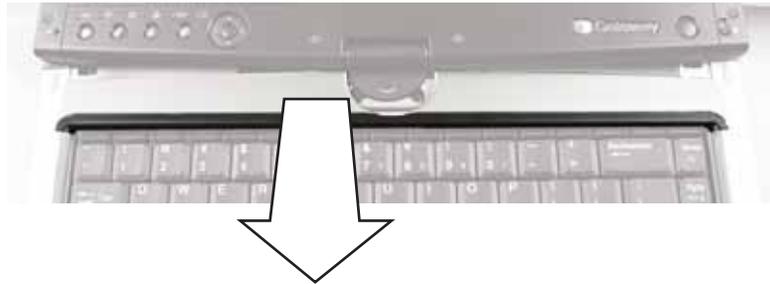


 **Important**  
 Inserting a piece of cloth between the screwdriver and keyboard will help prevent damage to the convertible notebook.

- 9 Insert the small flat-blade screwdriver under the bottom of the keyboard cover between the **PAUSE** and **INSERT** keys and gently pry it up.



- 10 Insert the small flat-blade screwdriver under the bottom of the keyboard cover between the **F1** and **F2** keys and gently pry it up.
- 11 Remove the keyboard cover from the convertible notebook by pulling the cover toward you and at the same time lifting its front to clear the keyboard. You will hear small snapping sounds as the cover comes away from the convertible notebook. Be careful not to break off the tabs located on the bottom of the cover.

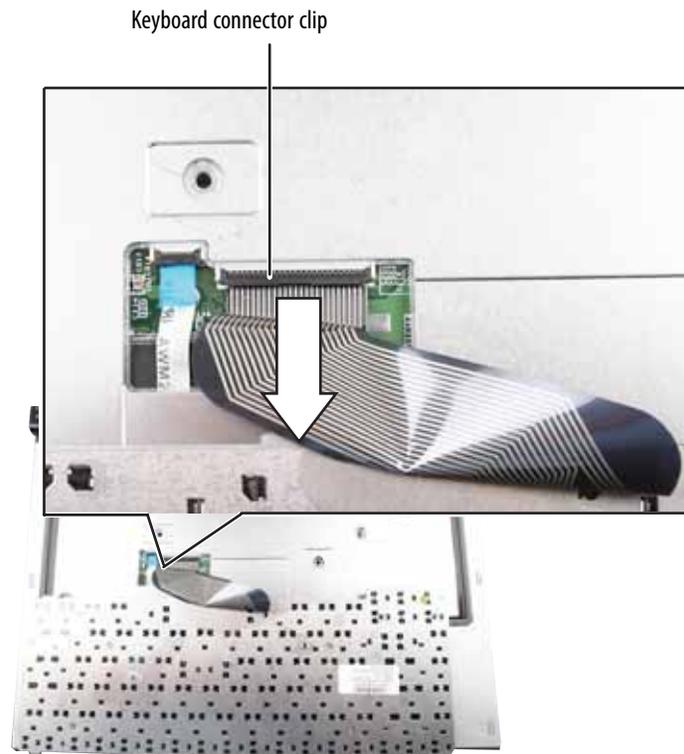


- 12 Lift the back edge of the keyboard slightly, then carefully push it toward the LCD panel to release the keyboard retaining tabs. Be careful not to damage the LCD panel.



- 13 Lay the keyboard face down on the palm rest.

- 14 Lift the black keyboard connector clip, then remove the cable. Be careful not to touch or damage any other components.



- 15 Lift the old keyboard away from the convertible notebook. The keyboard is now completely detached from the convertible notebook.



## Installing the keyboard

 **Important**  
The keyboard cable is correctly oriented if  
it is not twisted.



### To install the keyboard:

- 1 Place the new keyboard **keys-down** on your convertible notebook with the space bar away from you.
- 2 Make sure the black keyboard connector clip is fully raised, insert the cable into the connector, then lower the black connector clip to lock the connector in place.
- 3 Rotate the keyboard toward the LCD panel until the keyboard is almost face-up.

- 4 Insert the tabs on the front edge of the keyboard into the slot under the palm rest. You may need to press down on the keyboard keys along the front edge of the keyboard to seat the retaining tabs into their corresponding slots.



- 5 Gently press the keyboard down until it is flat all the way across. The keyboard should easily fall into place. Be careful not to damage the LCD panel.
- 6 Slide the tabs on the bottom side of the keyboard cover under the convertible notebook frame.
- 7 Press down on the cover in several places until it clicks in place.



#### Caution

If the cover is not correctly replaced, your convertible notebook could be damaged when you try to close the LCD panel.



#### Tips & Tricks

The screw holes are marked with a K.

- The keyboard cover is correctly mounted when you can run your finger along the cover and find no loose spots. The cover should be flat all the way across.
- 8 Turn the notebook over so the bottom is facing up, then replace the keyboard screws.
  - 9 Insert the main and optional multibay batteries, then turn your convertible notebook over.
  - 10 Connect the optional port replicator.

-OR-

Connect the power adapter, modem cable, and network cable, then turn on your convertible notebook.





# APPENDIX A

## Safety, Regulatory, and Legal Information

- [Important safety information](#)
- [Regulatory compliance statements](#)
- [Environmental information](#)
- [Notices](#)

# Important safety information

## Warning

Always follow these instructions to help guard against personal injury and damage to your Gateway system.

## Warning

Do not use Gateway products in areas classified as hazardous locations. Such areas include patient care areas of medical and dental facilities, oxygen-laden environments, or industrial facilities.

## Warning

To reduce the risk of fire, use only No. 26 AWG or larger telecommunications line cord.

Your Gateway convertible notebook is designed and tested to meet the latest standards for safety of information technology equipment. However, to ensure safe use of this convertible notebook, it is important that the safety instructions marked on the convertible notebook and in the documentation are followed.

## Setting up your system

- Read and follow all instructions marked on the convertible notebook and in the documentation before you operate your convertible notebook. Retain all safety and operating instructions for future use.
- Do not use this convertible notebook near water or a heat source such as a radiator.
- Set up the convertible notebook on a stable work surface.
- The convertible notebook should be operated only from the type of power source indicated on the rating label.
- If your convertible notebook has a voltage selector switch, make sure that the switch is in the proper position for your area. The voltage selector switch is set at the factory to the correct voltage.
- Openings in the convertible notebook case are provided for ventilation. Do not block or cover these openings. Make sure you provide adequate space, at least 6 inches (15 cm), around the convertible notebook for ventilation when you set up your work area. Never insert objects of any kind into the convertible notebook ventilation openings.
- Some convertible notebook are equipped with a three-wire power cord to make sure that the convertible notebook is properly grounded when in use. The plug on this cord will fit only into a grounding-type outlet. This is a safety feature. If you are unable to insert the plug into an outlet, contact an electrician to install the appropriate outlet.
- If you use an extension cord with this convertible notebook, make sure that the total ampere rating on the products plugged into the extension cord does not exceed the extension cord ampere rating.
- If your convertible notebook is fitted with a TV Tuner, cable, or satellite receiver card, make sure that the antenna or cable system is electrically grounded to provide some protection against voltage surges and buildup of static charges.

## Care during use

- Do not walk on the power cord or allow anything to rest on it.
- Do not spill anything on the convertible notebook. The best way to avoid spills is to avoid eating and drinking near your convertible notebook.
- Some convertible notebooks have a replaceable CMOS battery on the system board. There is a danger of explosion if the CMOS battery is replaced incorrectly. Replace the battery with the same or equivalent type recommended by the manufacturer. Dispose of batteries according to the manufacturer's instructions.
- When the convertible notebook is turned off, a small amount of electrical current still flows through the convertible notebook. To avoid electrical shock, always unplug all power cables and modem cables from the wall outlets before cleaning the convertible notebook.

- Unplug the convertible notebook from the wall outlet and refer servicing to qualified personnel if:
  - The power cord or plug is damaged.
  - Liquid has been spilled into the convertible notebook.
  - The convertible notebook does not operate properly when the operating instructions are followed.
  - The convertible notebook was dropped or the cabinet is damaged.
  - The convertible notebook performance changes.

### Replacement parts and accessories

Use only replacement parts and accessories recommended by Gateway.

# Regulatory compliance statements

## Wireless guidance

### **Warning**

Radio frequency wireless communication can interfere with equipment on commercial aircraft. Current aviation regulations require wireless devices to be turned off while traveling in an airplane. 802.11b (also known as wireless Ethernet or Wifi) and Bluetooth communication devices are examples of devices that provide wireless communication.

### **Warning**

In environments where the risk of interference to other devices or services is harmful or perceived as harmful, the option to use a wireless device may be restricted or eliminated. Airports, Hospitals, and Oxygen or flammable gas laden atmospheres are limited examples where use of wireless devices may be restricted or eliminated. When in environments where you are uncertain of the sanction to use wireless devices, ask the applicable authority for authorization prior to use or turning on the wireless device.

### **Warning**

If your convertible notebook came equipped with an internal embedded wireless device, do not operate the wireless device unless all covers and shields are in place and the convertible notebook is fully assembled.

### **Caution**

Wireless devices are not user serviceable. Do not modify them in any way. Modification to a wireless device will void the authorization to use it. Please contact Gateway for service.

### **Caution**

Only use drivers approved for the country in which the device will be used. See the Gateway System Restoration Kit, or contact Gateway Customer Care for additional information.

### **Important**

Every country has different restrictions on the use of wireless devices. Since your convertible notebook is equipped with a wireless device, when traveling between countries with your convertible notebook, check with the local Radio Approval authorities prior to any move or trip for any restrictions on the use of a wireless device in the destination country.

Low power, Radio transmitting type devices (radio frequency (RF) wireless communication devices), may be present (embedded) in your convertible notebook system. These devices may operate in the 2.4 GHz (i.e. 802.11b/g LAN & Bluetooth), 5.2 GHz (i.e. 802.11a LAN), and traditional cellular or PCS cellular bands (i.e. Cellular data modem). The following section is a general overview of considerations while operating a wireless device.

Additional limitations, cautions, and concerns for specific countries are listed in the specific country sections (or country group sections). The wireless devices in your system are only qualified for use in the countries identified by the Radio Approval Marks on the system rating label. If the country you will be using the wireless device in, is not listed, please contact your local Radio Approval agency for requirements. Wireless devices are closely regulated and use may not be allowed.

The power output of the wireless device or devices that may be embedded in your convertible notebook is well below the RF exposure limits as known at this time. Because the wireless devices (which may be embedded into your convertible notebook) emit less energy than is allowed in radio frequency safety standards and recommendations, Gateway believes these devices are safe for use. Regardless of the power levels, care should be taken to minimize human contact during normal operation.

Measurements have been performed to show that the RF exposure is below what is considered safe limits; however care should be taken to make sure the user or bystanders keep the transmitter away from their body when the wireless device is transmitting. The transmitting antenna installed in the top third of the lid should be used in a manner to maintain 20 cm (8 inches) from user's or bystander's bodies.

The wireless devices installed in this system are intended to be used indoors. In some areas, use of these devices outdoors is prohibited.

Some circumstances require restrictions on wireless devices. Examples of common restrictions are listed to the left.

## United States of America



### Caution

*Wireless devices are not user-serviceable. Do not modify them in any way. Modification to a wireless device will void the authorization to use it. Contact Gateway for service.*



### Caution

*The transmitting device embedded in this convertible notebook may not be used with any antenna other than the one provided with the convertible notebook.*



### Caution

*In order to comply with FCC requirements this transmitter must not be operated (or co-located) in conjunction with any other transmitter or antenna installed in the convertible notebook.*

## Federal Communications Commission (FCC) Intentional emitter per FCC Part 15

Low power, Radio transmitter type devices (radio frequency (RF) wireless communication devices), operating in the 2.4 GHz band and/or 5.15 – 5.35 GHz band, may be present (embedded) in your convertible notebook system. This section is only applicable if these devices are present. Refer to the system label to verify the presence of wireless devices.

Wireless devices that may be in your system are only qualified for use in the United States of America if an FCC ID number is on the system label.

The FCC has set a general guideline of 20 cm (8 inches) separation between the device and the body, for use of a wireless device near the body (this does not include extremities). This device should be used more than 20 cm (8 inches) from the body when wireless devices are on. The power output of the wireless device (or devices), which may be embedded in your convertible notebook, is well below the RF exposure limits as set by the FCC.

The wireless devices installed in this system are intended to be used indoors. In some areas, use of these devices outdoors is prohibited.

Operation of this device 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 of the device.

## Unintentional emitter per FCC Part 15

This device 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 or television reception. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause interference to radio and 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 or more 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.

**Compliance Accessories:** The accessories associated with this equipment are: shielded video cable when an external monitor is connected. These accessories are required to be used in order to ensure compliance with FCC rules.

**Caution**

Changes or modifications not expressly approved by Gateway could void the FCC compliance and negate your authority to operate the convertible notebook.

**Caution**

Recycle or dispose of the used convertible notebook properly according to federal, state and local laws.

**Warning****Warning****FCC declaration of conformity****Responsible party:**

Gateway Companies, Inc.  
610 Gateway Drive, North Sioux City, SD 57049  
(605) 232-2000 Fax: (605) 232-2023

**Product:**

- TA1
- TA6
- TNA-MPP800

This device complies with Part 15 of the FCC Rules. Operation of this product 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.

**California Proposition 65 Warning**

This product contains chemicals, including lead, known to the State of California to cause cancer, birth defects or reproductive harm.

**Mercury Warning**

The lamp in this display contains mercury. Do not put in trash. Recycle or dispose as hazardous waste.

**Telecommunications per Part 68 of the Code of Federal Regulations (CFR 47) (applicable to products fitted with USA modems)**

Your modem complies with Part 68 of the Code of Federal Regulations (CFR 47) rules. On the computer or modem card is a label that contains the FCC registration number and Ringer Equivalence Number (REN) for this device. If requested, this information must be provided to the telephone company.

A telephone line cord with a modular plug is required for use with this device. The modem is designed to be connected to the telephone network or premises wiring using a compatible modular jack which is Part 68-compliant. See installation instructions for details.

The Ringer Equivalence Number (REN) is used to determine the number of devices which may be connected to the telephone line. Excessive RENs on a telephone line may result in the devices not ringing in response to an incoming call. In most areas, the sum of RENs should not exceed five (5.0). To be certain of the number of devices that may be connected to a line, as determined by the total RENs, contact the local telephone company.

If this device causes harm to the telephone network, the telephone company will notify you in advance that temporary discontinuance of service may be required. The telephone company may request that you disconnect the equipment until the problem is resolved.

The telephone company may make changes in its facilities, equipment, operations, or procedures that could affect the operation of this equipment. If this happens, the telephone company will provide advance notice in order for you to make necessary modifications to maintain uninterrupted service.

This equipment cannot be used on telephone company-provided coin service. Connection to party line service is subject to state tariffs. Contact the state public utility commission or public service commission for information.

When programming or making test calls to emergency numbers:

- Remain on the line and briefly explain to the dispatcher the reason for the call.
- Perform such activities in the off-peak hours such as early morning or late evenings.

The United States Telephone Consumer Protection Act of 1991 makes it unlawful for any person to use a computer or other electronic device to send any message via a telephone fax machine unless such message clearly contains, in a margin at the top or bottom of each transmitted page or on the first page of the transmission, the date and time it is sent, an identification of the business, other entity, or other individual sending the message, and the telephone number of the sending machine or such business, other entity, or individual. Refer to your fax communication software documentation for details on how to comply with the fax-branding requirement.

## Canada



### Caution

*To prevent radio interference to licensed service or co-channel Mobile Satellite systems, this device is intended to be operated indoors and away from windows to provide maximum shielding. Equipment (or its transmit antenna) that is installed outdoors is subject to licensing.*



### Caution

*Wireless devices are not user-serviceable. Do not modify them in any way. Modification to a wireless device will void the authorization to use it. Contact Gateway for service.*



### Caution

*The transmitting device embedded in this convertible notebook may not be used with any antenna other than provide with the convertible notebook.*



### Caution

*The 802.11A radio LAN your convertible notebook may have been equipped with operates in the same frequency range as high power radar, which has priority use, and may damage the radio LAN if both are present and being used in the same area.*

### Industry Canada (IC) Intentional emitter per RSS 210

Low power, Radio transmitter type devices (radio frequency (RF) wireless communication devices), operating in the 2.4 GHz band and/or 5.15 – 5.35 GHz band, may be present (embedded) in your convertible notebook system. This section is only applicable if these devices are present. Refer to the system label to verify the presence of wireless devices.

Wireless devices that may be in your system are only qualified for use in Canada if an Industry Canada ID number is on the system label.

As a general guideline, a separation of 20 cm (8 inches) between the wireless device and the body, for use of a wireless device near the body (this does not include extremities) is typical. This device should be used more than 20 cm (8 inches) from the body when wireless devices are on. The power output of the wireless device (or devices), which may be embedded in your convertible notebook, is well below the RF exposure limits as set by Industry Canada.

Operation of this device 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 of the device.

### Unintentional emitter per ICES-003

This digital apparatus does not exceed the Class B limits for radio noise emissions from digital apparatus as set out in the radio interference regulations of Industry Canada.

Le présent appareil numérique n'émet pas de bruits radioélectriques dépassant les limites applicables aux appareils numériques de Classe B prescrites dans le règlement sur le brouillage radioélectrique édicté par Industrie Canada.

### Telecommunications per Industry Canada CS-03 (for products fitted with an IC-compliant modem)

The Industry Canada label identifies certified equipment. This certification means that the equipment meets certain telecommunications network protective, operation, and safety requirements. The Department does not guarantee the equipment will operate to the users' satisfaction.

Before installing this equipment, users should make sure that it is permissible to be connected to the facilities of the local telecommunications company. The equipment must also be installed using an acceptable method of connection. In some cases, the inside wiring associated with a single-line individual service may be extended by means of a certified connector assembly. The customer should be aware that compliance with the above conditions may not prevent degradation of service in some situations.

Repairs to certified equipment should be made by an authorized Canadian maintenance facility designated by the supplier. Any repairs or alterations made by the user to this equipment, or equipment malfunctions, may give the telecommunications company cause to request the user to disconnect the equipment.

#### **Warning**

*To avoid electrical shock or equipment malfunction do not attempt to make electrical ground connections by yourself. Contact the appropriate inspection authority or an electrician, as appropriate.*

Users should make sure, for their own protection, that the electrical ground connections of the power utility, telephone lines, and internal metallic water pipe system, if present, are connected together. This precaution may be particularly important in rural areas.

The **Ringer Equivalence Number** (REN) assigned to each terminal device provides an indication of the maximum number of terminals allowed to be connected to a telephone interface. The termination on an interface may consist of any combination of devices subject only to the requirement that the sum of the Ringer Equivalence Numbers of all the devices does not exceed 5.

## Japan

本装置は、第二種情報装置（住宅地域またはその隣接した地域において使用されるべき情報装置）で住宅地域での電波障害防止を目的とした情報処理装置等電波障害自主規制協議会（VCCI）基準に適合しております。  
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### Japanese Modem Notice

本製品を日本で使用する場合は必ず日本国モードでご使用ください。他国のモードをご使用になると電気通信事業法（技術基準）に違反する行為となります。なお、ご購入時は初期値が日本国モードとなっておりますので、そのままご利用ください。

## Laser safety statement



### Warning

*Use of controls or adjustments or performance of procedures other than those specified in this manual may result in hazardous radiation exposure. To prevent exposure to laser beams, do not try to open the enclosure of a CD or DVD drive.*

All Gateway systems equipped with CD and DVD drives comply with the appropriate safety standards, including IEC 825. The laser devices in these components are classified as "Class 1 Laser Products" under a US Department of Health and Human Services (DHHS) Radiation Performance Standard. Should the unit ever need servicing, contact an authorized service location.

## EPA ENERGY STAR



As an ENERGY STAR® Partner, Gateway has determined that this product meets the ENERGY STAR guidelines for energy efficiency when used with a computer equipped with a Display Power Management System.

## Environmental information

The product you have purchased contains extracted natural resources that have been used in the manufacturing process. This product may contain substances known to be hazardous to the environment or to human health.

To prevent releases of harmful substances into the environment and to maximize the use of our natural resources, Gateway provides the following information on how you can responsibly recycle or reuse most of the materials in your “end of life” product.

Waste Electrical and Electronic Equipment (commonly known as WEEE) should never be disposed of in the municipal waste stream (residential garbage collection). The “Crossed-Out Waste Bin” label affixed to this product is your reminder to dispose of your “end of life” product properly.



Substances such as glass, plastics, and certain chemical compounds are highly recoverable, recyclable, and reusable. You can do your part for the environment by following these simple steps:

- When your electrical or electronic equipment is no longer useful to you, “take it back” to your local or regional waste collection administration for recycling.
- In some cases, your “end of life” product may be “traded in” for credit towards the purchase of new Gateway equipment. Call Gateway to see if this program is available in your area.
- If you need further assistance in recycling, reusing, or trading in your “end of life” product, you may contact us at the Customer Care number listed in your product’s user guide and we will be glad to help you with your effort.

Finally, we suggest that you practice other environmentally friendly actions by understanding and using the energy-saving features of this product (where applicable), recycling the inner and outer packaging (including shipping containers) this product was delivered in, and by disposing of or recycling used batteries properly.

With your help, we can reduce the amount of natural resources needed to produce electrical and electronic equipment, minimize the use of landfills for the disposal of “end of life” products, and generally improve our quality of life by ensuring that potentially hazardous substances are not released into the environment and are disposed of properly.

# Notices

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7565 Irvine Center Drive  
Irvine, CA 92618 USA

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## Macrovision statement

**If your convertible notebook has a DVD drive and an analog TV Out port, the following paragraph applies:**

This product incorporates copyright protection technology that is protected by method claims of certain U.S. patents and other intellectual property rights owned by Macrovision Corporation and other rights owners. Use of this copyright protection technology must be authorized by Macrovision Corporation, and is intended for home and other limited viewing uses only unless otherwise authorized by Macrovision Corporation. Reverse engineering or disassembly is prohibited.



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