

DRAFT



HARDWARE REFERENCE

Gateway Notebook



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CHAPTER 1

About this reference

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

This guide includes information and maintenance instructions that are specific to your model of Gateway notebook. For all other 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*:

- Click **Start, All Programs**, then 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 notebook contains information that identifies your 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 notebook includes the product key code for your operating system.



For more information

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

CHAPTER 2

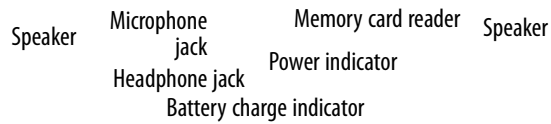
Checking Out Your Gateway Notebook






- 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 notebook
- Turning off your notebook
- Restarting (rebooting) your notebook
- Using the status indicators
- Using the keyboard
- Using the EZ Pad touchpad
- Adjusting the volume
- Turning your wireless radio on or off
- Using the CD or DVD drive
- Using the memory card reader
- Inserting and removing an Express Card
- Changing batteries
- Recalibrating the battery
- Ordering accessories

Identifying features

Front

LCD panel release latch










Component	Icon	Description
LCD panel release latch		Press to open the LCD panel.
Power indicator		<ul style="list-style-type: none"> ▪ LED on - notebook is on. ▪ LED blinking - notebook is in Standby mode. ▪ LED off - notebook is off.
Battery charge indicator		<ul style="list-style-type: none"> ▪ LED blue - battery is fully charged. ▪ LED purple - battery is charging. ▪ LED blinking red - battery charge is very low. ▪ LED solid red - battery is malfunctioning.
Speakers		Provide audio output when headphones or amplified speakers are not plugged in.
Memory card reader		<p><Verify card types> Insert a memory card from a digital camera, MP3 player, PDA, or cellular telephone into the memory card reader. For more information, see “Using the memory card reader” on page 25. The memory card reader supports Memory Stick®, Memory Stick Pro®, MultiMediaCard™, Secure Digital™, xD Picture Card, Mini Secure Digital™, and RS-MultiMediaCard™.</p> <p>Note: RS-Multimedia Card and Mini Secure Digital cards require the use of an adapter that is available with the media.</p>
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.

Back

Power connector

Ethernet jack

Component	Icon	Description
Power connector		Plug the AC adapter cable into this connector.
Modem jack		Plug a dial-up modem cable into this jack. For more information, see "Connecting the dial-up modem" on page 12.
Ethernet jack		Plug an Ethernet network cable into this jack. The other end of the cable can be plugged into a cable modem, DSL modem, or an Ethernet network jack. For more information, see "Connecting to a cable or DSL modem or to an Ethernet network" on page 13.
USB ports		Plug USB devices (such as a diskette drive, flash drive, printer, scanner, camera, keyboard, or mouse) into these ports.
Ventilation fan		<p>Helps cool internal components.</p> <p>Warning: Do not work for long periods with the notebook resting on your lap. If the air vents are blocked, the notebook may become hot enough to harm your skin.</p> <p>Caution: Do not block or insert objects into these slots. If these slots are blocked, your notebook may overheat resulting in unexpected shutdown or permanent damage to the notebook.</p> <p>Caution: Provide adequate space around your notebook so air vents are not obstructed. Do not use the notebook on a bed, sofa, rug, or other similar surface.</p>
S-Video out jack		Plug an S-Video device, such as a television, into this jack. For more information, see "Viewing the display on a television" on page 30.
Monitor port		Plug an analog VGA monitor or projector into this port. For more information, see "Viewing the display on a projector or monitor" on page 28.
Kensington™ lock slot		Secure your notebook to an object by connecting a Kensington cable lock to this slot.



Bottom

Battery latch

Battery

Battery lock

Memory bay/Hard drive bay
Ventilation fan
Customer care label

Component	Icon	Description
Battery lock		Slide to unlock the battery. For more information, see "Changing batteries" on page 31.
Battery latch		Slide to release the battery. For more information, see "Changing batteries" on page 31.
Battery		Provides power when the notebook is not plugged into AC power.
Hard drive bay		The hard drive is located in this bay. For more information, see "Replacing the hard drive kit" on page 42.
Memory bay		Install a memory module into this bay. For more information, see "Adding or replacing memory modules" on page 36.
Customer Care label		Includes the Customer Care contact information. For more information, see "Gateway contact information" on page 2.

Keyboard area


Keyboard

Power button

Live Launch button

Status indicators

Touchpad

Component	Icon	Description
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> .
Keyboard		Provides all the features of a full-sized, computer keyboard. For more information, see " Using the keyboard " on page 17 .
Status indicators		Inform you when a drive is in use or when a button has been pressed that affects how the keyboard is used. For more information, see " Using the status indicators " on page 16 .
Touchpad		Provides all the functionality of a mouse. For more information, see " Using the EZ Pad touchpad " on page 21 .
Live Launch button		Press to run CyberLink PowerCinema and use the multimedia features of your notebook without running Windows XP. For more information, see " Using CyberLink PowerCinema " on page 14 .
Multimedia buttons		Press these buttons to control the playback of multimedia. For more information, see " Using the multimedia buttons " on page 20 .

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 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 notebook may be damaged.



Important

If the battery is not fully charged before you use your 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 32](#).



Important

If the battery charge indicator does not turn blue after three hours, contact Gateway Customer Care at www.gateway.com.

You can run your notebook using an AC adapter or your 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 notebook's power connector.

- 3 Plug the power cord into a wall outlet. The battery charge indicator turns on (see ["Front" on page 6](#) 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:
 - a Unplug the adapter from your notebook, then plug it back in.
 - b Press Fn+F1 to toggle the status lights on and off.
- 4 When you finish using your notebook for the first time, turn off your notebook and leave your notebook connected to AC power until the battery charge indicator turns blue.



Protecting from power source problems

**Warning**

High voltages can enter your notebook through both the power cord and the modem connection. To protect your 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 notebook can increase to levels far above normal levels and cause data loss or system damage. Protect your notebook and peripheral devices by connecting them to a *surge protector*, which absorbs voltage surges and prevents them from reaching your notebook.


Connecting the dial-up modem

**Warning**

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

Your 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 back of your 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 notebook, then start your communications program.



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

Your 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 back of your notebook.

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



Starting your notebook

Warning

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

Caution

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

Tips & Tricks

For more information about changing the power button mode, see "Changing Power-Saving Settings" in the online User Guide.

To start your notebook:

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

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



Waking up your notebook

Tips & Tricks

For more information about Standby mode, see "Changing power modes" in the online User Guide.

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


Using CyberLink PowerCinema

Important

Your notebook must be turned off or in Hibernate mode to use CyberLink PowerCinema. For more information about Hibernate mode, see "Changing power modes" in the online User Guide.

By pressing the Live Launch button you can use CyberLink PowerCinema to access the multimedia features of your notebook without running Windows XP.

To use CyberLink PowerCinema:

- 1 Slide the latch on the front of your notebook, then lift the LCD panel.
- 2 Press the Live Launch [<get icon>](#) button  located above the keyboard. For the location of the Live Launch button, see "[Keyboard area](#)" on [page 10](#). The notebook will turn on, and the CyberLink PowerCinema window opens.
- 3 Use the touchpad or arrow keys to select a multimedia feature you want to use, or select **Help** for a brief tutorial on using the program.



Turning off your notebook



Important

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



To turn off your notebook:

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



Restarting (rebooting) your notebook



Important

If your notebook does not turn off immediately, complete the following steps until the 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 notebook does not respond to keyboard, touchpad, or mouse input, you may have to close programs that are not responding. If closing unresponsive programs does not restore your notebook to normal operation, you may have to restart (reboot) your notebook.



To close unresponsive programs and restart your notebook:

- 1 Press **CTRL+ALT+DEL**. The *Windows Security* dialog box opens.
- 2 Click **Task Manager**. The *Windows Task Manager* dialog box opens.
- 3 Click the program that is not responding.
- 4 Click **End Task**.
- 5 Click **X** in the top-right corner of the *Windows Task Manager* dialog box.
- 6 If your 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 on the right side of the keyboard.






Wireless network

Caps lock

Num lock

Disc drive

Hard drive

Indicator	Icon	Description
AC power		<ul style="list-style-type: none"> ▪ LED on - AC power is connected. ▪ LED off - AC power is not connected.
Wireless network (optional)		<ul style="list-style-type: none"> ▪ LED on - wireless IEEE 802.11 radio is turned on. ▪ LED off - wireless IEEE 802.11 radio is turned off.
Caps lock		<ul style="list-style-type: none"> ▪ LED on - caps lock is turned on. ▪ LED off - caps lock is turned off.
Num lock		<ul style="list-style-type: none"> ▪ LED on - numeric keypad is turned on. ▪ LED off - numeric keypad is turned off.
Hard drive		<ul style="list-style-type: none"> ▪ LED blinking - hard drive is being accessed. ▪ LED off - hard drive is not being accessed.

Using the keyboard



Tips & Tricks

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

Your 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.

Function keys/ System keys

Numeric keypad

Navigation keys




FN key Windows key

Application key Arrow keys

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 F1 to F12 to perform actions in programs. For example, pressing F1 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 FN key to perform specific actions. For more information, see “System key combinations” on page 18 .
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.

Key type	Icon	Description
Arrow keys		Press these keys to move the cursor up, down, right, or left.
Application key		Press this key for quick access to shortcut menus and help assistants in Windows.
Windows key		Press this key to open the Windows Start menu. This key can also be used in combination with other keys to open utilities like F (Search utility), R (Run utility), and E (Explorer utility).
FN key		Press the FN key in combination with a colored system key to perform a specific action.
Numeric keypad		Use these keys to type numbers when the numeric keypad is turned on. Press FN+  to turn on the numeric keypad.

System key combinations

When you press the **FN** key and a system key at the same time, your 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 "Using the status indicators" on page 16 .
	Turn the optional wireless network on or off. For more information, see <i>"Wireless Networking"</i> in your online <i>User Guide</i> . 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 802.11g, 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 <i>"Changing Power-Saving Settings"</i> in your online <i>User Guide</i> .
	Toggle the notebook display in the following order: <ul style="list-style-type: none"> ▪ The LCD ▪ An external monitor or projector (a monitor or projector must be plugged into the monitor port on your notebook) ▪ Both displays at the same time For more information, see "Viewing the display on a projector or monitor" on page 28 .
	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.

Press and hold Fn, then press this system key...

To...



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 track or DVD chapter.



Skip ahead one CD track or DVD chapter.



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 ["Adjusting the volume" on page 23](#).



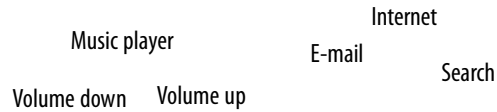
Increase volume. For more information, see ["Adjusting the volume" on page 23](#).






Decrease volume. For more information, see ["Adjusting the volume" on page 23](#).

Using the multimedia buttons

Press the multimedia buttons to control the playback of multimedia on your notebook.



Button	Icon	Press to...
Back		Skip back one chapter, song, or track.
Next		Skip ahead one chapter, song, or track.
Stop		Stop playing.
Play/Pause <get icon>		Start or pause playing.
Mute <get icon>		Mute the sound. Press again to restore the sound. For more information, see "Adjusting the volume" on page 23 .
Volume down	—	Press to decrease the volume.
Volume up	+	Press to increase the volume.

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 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.

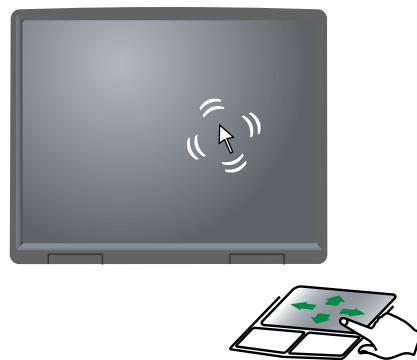
Touchpad

Scroll zone

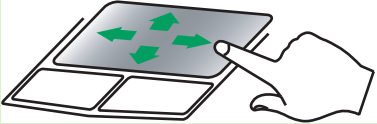
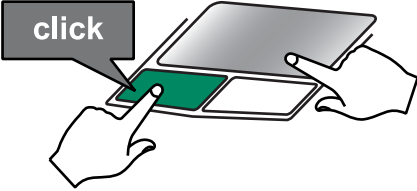
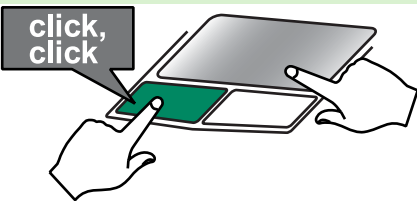
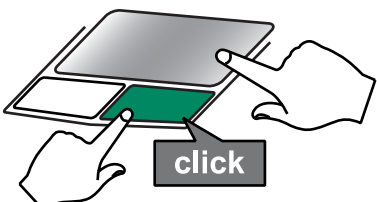
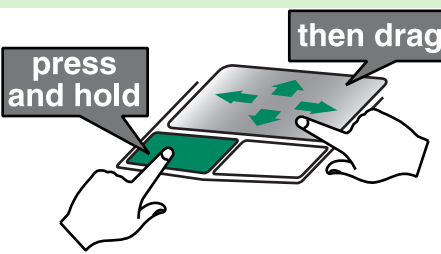
Right button

Left button

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>

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 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 mute and volume control buttons above the keyboard. For more information, see "Using the multimedia buttons" on page 20.

-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 using or turning on the wireless device.



Tips & Tricks

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



Tips & Tricks

For more information about using Bluetooth, click **Start, All Programs, My Bluetooth Places**. When the My Bluetooth Places window opens, click **Help**, then click **Bluetooth Help Topics**.

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



To turn the wireless IEEE 802.11 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**. The first time you use Bluetooth, you need to configure your notebook using the *Initial Bluetooth Configuration Wizard*.







Using the CD or DVD drive

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

Identifying drive types

Your Gateway 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...
	CD drive	Installing programs, playing audio CDs, and accessing data. You cannot use this drive to create CDs or DVDs or play DVDs.
	DVD drive	Installing programs, playing audio CDs, playing DVDs, and accessing data. You cannot use this drive to create CDs or DVDs.
	Combination DVD/CD-RW drive	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.
	Multi-format double layer DVD±RW/CD-RW drive	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. Note: 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

Manual eject hole
Eject button



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.



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.



Using the memory card reader

You can use memory cards to transfer pictures from a digital camera to your notebook. You can also use the memory card reader to transfer data between your 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.

<Verify card types> 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 notebook.



Using a memory card

- ▶ **To access a file on a memory card:**
 - 1 Click **Start**, then click **My Computer**.
 - 2 Double-click the drive letter (for example, the E: drive), then 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 notebook may not recognize your memory card reader until you restart your notebook.

- ▶ **To remove a memory card from the top slot:**
 - Pull the memory card out of the notebook.
- ▶ **To remove a memory card from the bottom slot:**
 - 1 Press the memory card into the notebook. The card pops out part way.
 - 2 Pull the memory card out of the notebook.



Inserting and removing an Express Card


Your notebook has a Express Card slot. This slot accepts one Type 54 Express Card. You do not need to restart your notebook when changing most cards because your notebook supports *hot-swapping*. Hot-swapping means that you can insert an Express Card while your notebook is running. If your Express Card does not work after hot-swapping, see the Express Card manufacturer's documentation for further information.

To insert an Express Card:

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



To remove an Express Card:

- 1 Click the remove hardware  icon in the taskbar, the Express Card name, then click **Stop**.

-OR-

Turn off your notebook.

- 2 Pull the Express Card out of your notebook.



Important

If the remove hardware icon does not appear on the taskbar, 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 your notebook, see the poster or hardware 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 has one or more of the following ports: IEEE 1394 (also known as Firewire[®] or i.Link[®]), Universal Serial Bus (USB), and S-Video (digital video). You use these ports to connect peripheral devices such as printers, scanners, and digital cameras to your notebook.

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

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

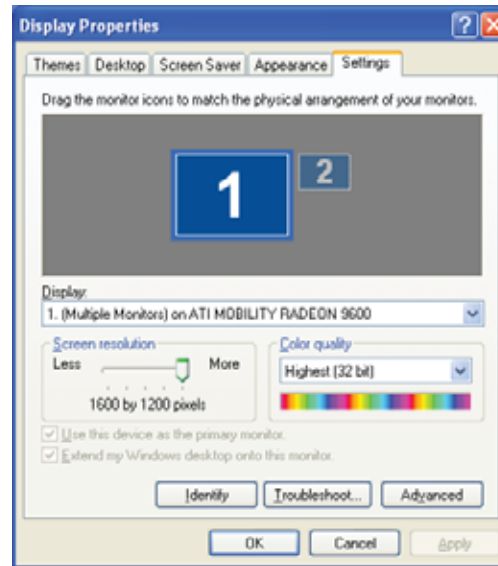
For the location of the VGA port on your notebook, see "Left" on page 7.

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.
- 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 Click the **Settings** tab.



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



Viewing the display on a television



Important

The TV out feature is available only on select Gateway notebooks.



Important

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



Important

To turn on external video by default, connect the television (or other external video device) before starting your notebook.



Important

Audio is not transmitted through an S-Video out jack. Use the built-in speakers or a set of headphones or external powered speakers, or connect your notebook to a stereo system using the headphone jack to hear sound while playing a DVD. DVD playback to a VCR will be scrambled by copyright protection software.




Tips & Tricks

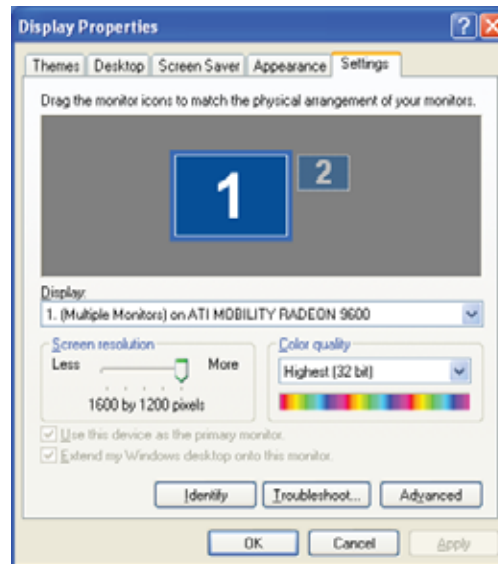
For the location of the S-Video out jack on your notebook, see "Left" on page 7.

The S-Video out jack on your notebook lets you view your notebook display on a television screen using a standard S-Video cable.



To view your notebook display on a television:

- 1 With your notebook off, connect one end of a standard S-Video cable to the S-Video out jack  on your notebook.
- 2 Connect the other end of the cable to the Video in jack on your television or VCR.
- 3 Turn on the television or VCR.
- 4 Start your notebook.
- 5 Click **Start**, then click **Control Panel**. The *Control Panel* window opens. If your Control Panel is in Category View, click **Appearance and Themes**.
- 6 Click/Double-click the **Display** icon. The *Display Properties* dialog box opens.
- 7 Click the **Settings** tab.



- 8 Click **Advanced**. The *Plug and Play Properties* dialog box opens.
- 9 If you see an **Intel Graphics** tab, click it, then do the following:
 - a Click the **Graphics Properties** button.
 - b Adjust the television properties.

-OR-

If you see an **ATI Catalyst** tab, click it, then do the following:

- c Click **Advanced**, then click **Next**.
- d Click **Yes**. The ATI Catalyst Control Center opens.

- e Click **Help**. for instructions on adjusting the television properties.



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 "Right" on page 7.




Tips & Tricks

For more information about editing video, see your 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.



Changing batteries

Replacing the battery



Warning

Danger of explosion if battery is incorrectly replaced. Replace only with a battery specifically manufactured for your Gateway 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 your notebook is connected to AC power, you can change the battery while the notebook is turned on. If your notebook is not plugged into an AC outlet, you must turn the notebook off while changing the battery or you will lose any unsaved data.



To replace the battery:

- 1 If your notebook is on and is connected directly to AC power, go to [Step 2](#).

-OR-

If your notebook is on and is not plugged into an AC outlet, save your work and turn off the notebook.

- 2 Close the LCD panel.
- 3 Turn your notebook over so the bottom is facing up.
- 4 Slide the battery lock to the unlocked position.

- 5 Slide the battery release latch.

6 Lift the battery out of the notebook.

7 Slide a recharged battery into the notebook until it snaps into place.

8 Slide the battery lock to the locked position.

9 Turn your notebook over.

10 Open the LCD panel and press the power button.



Recalibrating the battery

Important

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

If your 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 Close all open files and programs.

2 Connect your notebook to AC power and let the battery charge completely.

3 Disconnect the AC power and restart your notebook.

4 Completely discharge the battery by doing the following:

a From the desktop, right-click on the power icon, then select **Adjust Power Properties**.

b Click the **Power Schemes** tab.

c Click the arrow button to open the **Power Schemes** list, then click **Always On**.

d Click the **Alarms** tab.

e Click to clear the **Low battery alarm** and **Critical battery alarm** check boxes. Let the battery drain until your notebook automatically turns off.

5 After the battery is completely drained, reconnect your notebook to AC power.

Important

Do not use your notebook during the recalibration process. Do not connect the AC adapter to your notebook during this process, or you will interrupt the recalibration process and will have to start again.

- 6 Charge the battery completely until the battery status indicator turns blue.
- 7 When you are ready to use your notebook again, do the following:
 - a From the desktop, right-click on the power icon, then select **Adjust Power Properties**.
 - b Click the **Power Schemes** tab.
 - c Click the arrow button to open the **Power Schemes** list, then click the power scheme you want.
 - d Click the **Alarms** tab.
 - e Click to select the **Low battery alarm** and **Critical battery alarm** check boxes.

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.



Ordering accessories

To order accessories, visit the Accessory Store at www.gateway.com.

Batteries

If you run your notebook on battery power for extended periods, you may want to buy an additional battery so you can swap batteries when necessary. See ["Changing batteries" on page 31](#) 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 modules" on page 36](#) for more information.

Printers

You can attach almost any type of printer to your 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 modules
- Replacing the CD or DVD drive
- Replacing the hard drive kit
- Replacing the keyboard

Preventing static electricity discharge

**Warning**

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

**Warning**

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

**Important**

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

The components inside your 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 modules

**Important**

Use only memory modules designed for your Gateway notebook.

**Tools Required**

You need a small Phillips screwdriver to replace memory modules.

Your 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 any slot.

Memory
bay

**To add or replace memory modules:**

- 1 Follow the guidelines under [“Preventing static electricity discharge” on page 36](#).
- 2 Turn off your notebook.
- 3 Disconnect the AC adapter, modem cable, and network cable.

- 4 Disconnect all peripheral devices connected to the notebook and remove any Express cards.
- 5 Turn your notebook over so the bottom is facing up, then remove the battery. For more information, see ["Changing batteries" on page 31](#).
- 6 Remove the memory bay cover screw and put it in a safe place.
- 7 Slide the memory bay cover in the direction shown, then remove it.

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

Clip

Clip

Replacing the CD or DVD drive

**Important**

Replace the CD or DVD drive only with a similar drive provided by Gateway.

**Tools Required**

You need a small Phillips screwdriver to replace the CD or DVD drive.

If your CD or DVD drive becomes damaged, you can replace it with a similar drive obtained from Gateway.

**To replace the CD or DVD drive:**

- 1 Make sure that the CD or DVD drive is empty.
- 2 Follow the guidelines under [“Preventing static electricity discharge” on page 36.](#)
- 3 Turn off your notebook.
- 4 Disconnect the AC adapter, modem cable, and network cable.
- 5 Disconnect all peripheral devices and remove any Express cards.
- 6 Turn your notebook over so the bottom is facing up, then remove the battery. For more information, see [“Changing batteries” on page 31.](#)
- 7 With a small Phillips screwdriver, remove the CD or DVD drive screws, then put them in a safe place.

Screw

8 Insert a straightened paper clip into the CD or DVD drive's manual eject hole, push in the paper clip to eject the drive tray, then pull the drive tray open.

9 Carefully slide the drive out of the drive bay.

10 Slide the new CD or DVD drive into the drive bay. Make sure that the drive fits securely in the bay.

11 Secure the CD or DVD drive with the screws removed in [Step 7](#).

12 Insert the battery, then turn your notebook over.

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

14 Reconnect all peripheral devices and replace any Express cards.



Replacing the hard drive kit

**Tools Required**

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

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

Hard
drive bay

**To replace the hard drive kit:**

- 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 20](#).
- 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 36](#).
- 5 Turn off your notebook.
- 6 Disconnect the AC adapter, modem cable, and network cable.
- 7 Disconnect all peripheral devices connected to the notebook and remove any Express cards.
- 8 Turn your notebook over so the bottom is facing up, then remove the battery. For more information, see “Changing batteries” on [page 31](#).

- 9 Remove the hard drive kit screw, then put it in a safe place.

Screw

Screw

Screw

Screw

Screw

- 10 Slide the hard drive out of the notebook in the direction shown.

- 11 If your new hard drive already includes the hard drive bracket, go to [Step 16](#).

-OR-

If you need to move the hard drive bracket from your old hard drive to your new hard drive, go to [Step 12](#).

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

Screw

Screw

Screw

Screw

- 13 Remove the bracket from the old drive.

- 14 Place the new drive, label side up, onto the bracket so the screw holes line up.
- 15 Replace the screws that secure the bracket to the drive.
- 16 Slide the new hard drive kit into your notebook, then replace the screw that secures the hard drive kit to the notebook.
- 17 Insert the battery, then turn your notebook over.
- 18 Connect the power adapter, modem cable, and network cable
- 19 Turn on your notebook.
- 20 For instructions on installing Windows, your drivers, and your applications, see the "Recovering Your System" chapter you printed in [Step 2](#).
- 21 Reconnect all peripheral devices and replace any Express cards.



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 36](#).
- 2 Turn off your notebook.
- 3 Disconnect the AC adapter, modem cable, and network cable.
- 4 Disconnect all peripheral devices connected to the notebook and remove any Express cards.
- 5 Turn your notebook over so the bottom is facing up, then remove the battery. For more information, see [“Changing batteries” on page 31](#).
- 6 Remove the keyboard cover screw.

- 7 Remove the memory bay cover screw and put it in a safe place.

8 Slide the memory bay cover in the direction shown, then remove it.

9 Remove the keyboard screw.

10 Turn the notebook over so the top is facing up.

11 Carefully open the LCD panel to the fully opened position.

12 Insert the small flat-blade screwdriver or non-marring tool under the keyboard cover and gently pry it up.

13 Pull the old cover off the notebook. You will hear small snapping sounds as the cover comes away from the notebook.

 **Tips & Tricks**

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

14 Gently lift the back edge of the keyboard.

15 With the back edge of the keyboard raised, carefully push it toward the LCD panel to release the keyboard retaining tabs. Be careful not to damage the LCD panel.

16 Rotate the keyboard toward you so it lies **keys-down** on top of your notebook.

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

Connector

- 18 Lift the old keyboard away from the notebook.



Installing the keyboard



Important

The keyboard cable is correctly oriented if the cable is not twisted



To install the keyboard:

- 1 Place the new keyboard **keys-down** on your notebook with the space bar away from you.
- 2 Make sure the keyboard connector clip is fully raised, insert the cable into the connector, then lower the black connector clip back to lock the connectors 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 slots 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.



Caution

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

- 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 Place the cover on the notebook, then press down on the cover in several places until it clicks in place. The 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.
- 7 Close the LCD panel, then turn the notebook over so the bottom is facing up.
- 8 Replace the keyboard screw.
- 9 Replace the keyboard cover screw.
- 10 Replace the memory bay cover.
- 11 Insert the battery, then turn your notebook over.
- 12 Connect the power adapter, modem cable, and network cable, then turn on your notebook.

- 13 Reconnect all peripheral devices and replace any Express cards.



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

Setting up your system

- Read and follow all instructions marked on the notebook and in the documentation before you operate your notebook. Retain all safety and operating instructions for future use.
- Do not use this notebook near water or a heat source such as a radiator.
- Set up the notebook on a stable work surface.
- The notebook should be operated only from the type of power source indicated on the rating label.
- If your 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 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 notebook for ventilation when you set up your work area. Never insert objects of any kind into the notebook ventilation openings.
- Some notebook are equipped with a three-wire power cord to make sure that the 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 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 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 notebook. The best way to avoid spills is to avoid eating and drinking near your notebook.
- Some 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 notebook is turned off, a small amount of electrical current still flows through the notebook. To avoid electrical shock, always unplug all power cables and modem cables from the wall outlets before cleaning the notebook.

- Unplug the 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 notebook.
 - The notebook does not operate properly when the operating instructions are followed.
 - The notebook was dropped or the cabinet is damaged.
 - The 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 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 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. If your notebook is equipped with a wireless device, when traveling between countries with your 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 notebook system. These devices may operate in the 2.4 GHz (802.11b/g LAN & Bluetooth), 5.2 GHz (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 notebook is well below the RF exposure limits as known at this time. Because the wireless devices (which may be embedded into your 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 that the user or bystanders keep the transmitter away from their bodies 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 notebook may not be used with any antenna other than the one provided with the 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 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 or 5.15 – 5.35 GHz band, may be present (embedded) in your 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 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 notebook.

**Caution**

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

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

Gateway Companies, Inc.
7565 Irvine Center Drive
Irvine, CA 92618 USA
(605) 232-2000 Fax: (605) 232-2023

Product: W740

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 notebook may not be used with any antenna other than provide with the notebook.



Caution

The IEEE 802.11 or Bluetooth radio your 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 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 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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Macrovision statement

If your 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 U.S. patents and other intellectual property rights. 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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