

Dell™ OptiPlex™ Systems

Setup and Quick Reference Guide

Guia de configuração e de referência rápida

Guía de instalación y de referencia rápida



Models DHS, DHP, and DHM



www.dell.com | support.dell.com

Dell™ OptiPlex™ Systems

Setup and Quick Reference Guide



Notes, Notices, and Cautions



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



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



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

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About This Guide

This document contains getting started/setup; solving problems; and safety and regulatory information about your Dell™ OptiPlex™ computer.

To obtain the latest versions of the documents on your hard drive, go to the Dell support website at support.dell.com.

Regulatory model numbers appear throughout this document; their chassis type equivalents are shown below:

Regulatory Model Numbers and Chassis Types




DHS = small desktop (SD) chassis

DHP = small form-factor (SF) chassis




DHM = small mini-tower (SMT) chassis

Finding Information and Assistance

Resources and Support Tools

Resource	Contents	Using the Resource
	<p><i>Dell OptiPlex ResourceCD</i></p> <ul style="list-style-type: none">• Dell Diagnostics• Drivers• Utilities• Computer and device documentation	<p>See the main menu on the <i>ResourceCD</i> that was shipped with your computer. Use the pull-down menu to make selections appropriate for your computer. You can perform the following tasks:</p> <ul style="list-style-type: none">• Diagnose a problem• Install or reinstall drivers• Obtain information on your computer and devices <p>NOTE: User documentation and drivers are already installed on your computer when shipped from Dell. You can use this CD to access documentation, reinstall drivers, or run diagnostics tools.</p>
 	<p>Service and Registration Labels—located on the front or side of your Dell computer.</p> <ul style="list-style-type: none">• Express Service Code and Service Tag Number• Product Key (also called the Product ID or Certificate of Authenticity [COA])	<p>The Express Service Code and Service Tag Number are unique identifiers for your Dell computer.</p> <p>You may need the Product Key (or Product ID) number to complete the operating system setup.</p>

Resources and Support Tools *(continued)*

Resource	Contents	Using the Resource
 <p>The image shows a CD-ROM with the following text: "OPERATING SYSTEM", "Reinstallation CD", "W2K + SP1", "Use this CD to reinstall the operating system on a Dell computer. Use CD to install drivers and programs as shown.", "For details only visit: www.Dell.com", and the "DELL" logo.</p>	<p>Operating system CD</p>	<p>To reinstall your operating system, use the operating system CD that was shipped with your computer.</p> <p>NOTE: The operating system CD may not include all the latest drivers for your computer. If you reinstall your operating system, use the <i>ResourceCD</i> to reinstall drivers for the devices shipped with your computer.</p> <p>For more information about reinstalling your operating system, see the operating system installation documentation that was shipped with your computer.</p>
 <p>The image shows the cover of an operating system installation guide with a landscape background.</p>	<p>Operating system installation guide</p>	<p>See the operating system installation guide for information on reinstalling and configuring your operating system.</p> <p>Click the Start button and select Help or Help and Support, depending on your operating system, to obtain more information on your operating system.</p>
 <p>The image shows a speech bubble icon containing a question mark.</p> <p>User's Guides</p>	<p>User's guides for your computer and devices</p>	<p>Depending on your operating system, double-click the User's Guides icon on your desktop, or click the Start button and then select Help and Support to access the electronic documentation stored on your hard drive.</p> <p>Obtain information on the following:</p> <ul style="list-style-type: none"> • Using your computer • Configuring system settings • Removing and installing parts • Installing and configuring software • Diagnosing a problem • Technical specifications • Device documentation (on selected operating systems) • Getting technical assistance

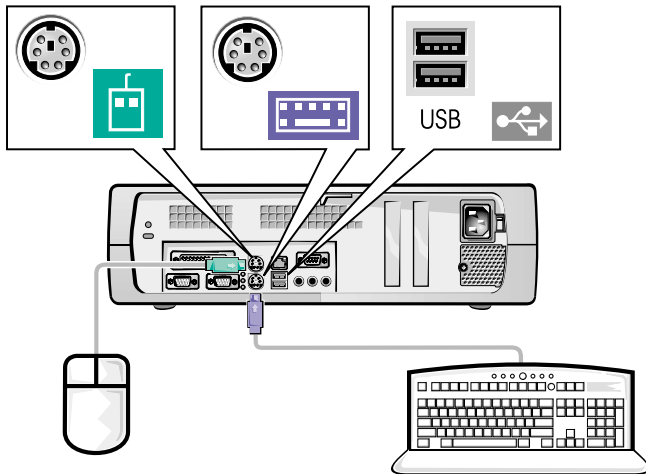
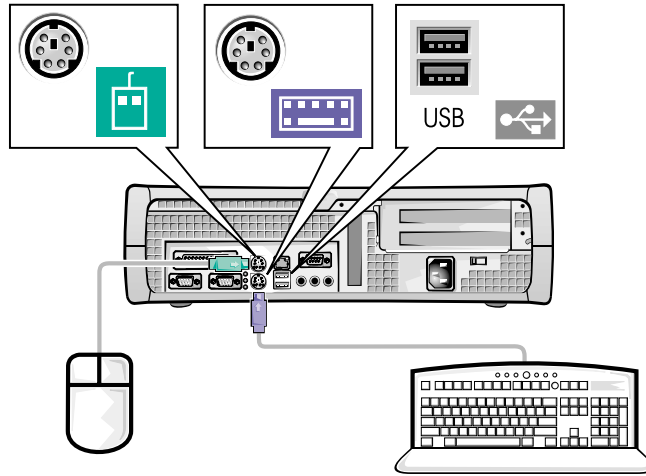
Resources and Support Tools *(continued)*

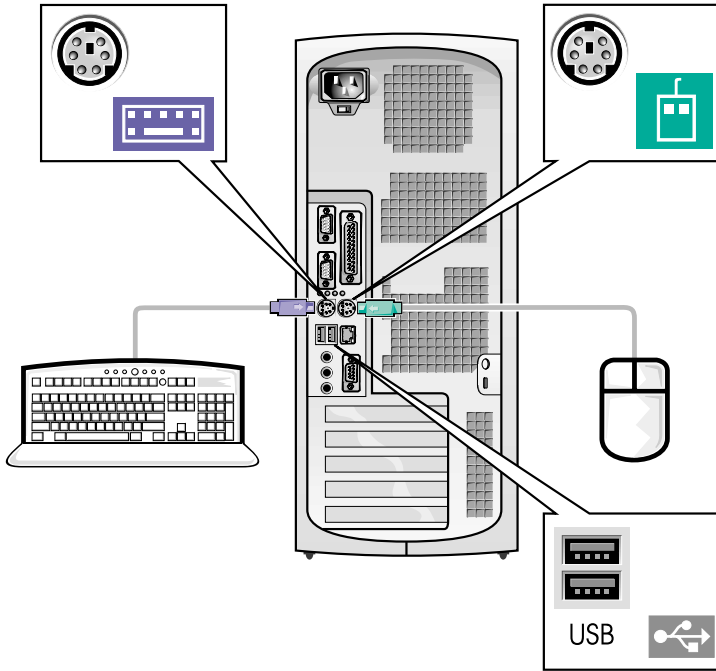
Resource	Contents	Using the Resource
support.dell.com	Dell support website <ul style="list-style-type: none">• Technical support and information• Downloads for your computer• Order or delivery status• Hints and tips, technology papers, service information	Go to support.dell.com and complete the one-time registration. <ul style="list-style-type: none">• Get help with general usage, installation, and troubleshooting questions• Obtain answers to technical service and support questions• Get the latest versions of the drivers for your computer• Access documentation about your computer and devices• Join online discussions with other Dell customers and Dell technical professionals• Explore a list of online links to Dell's primary vendors
Premier Support.Dell.com	Dell Premier Support website <ul style="list-style-type: none">• Service call status• Top technical issues by product• Frequently asked questions by product number• Customized service tags• System configuration detail	Go to premiersupport.dell.com : The Dell Premier Support website is customized for corporate, government, and education customers. This site may not be available in all regions.


Getting Started/Setup


Use the following steps to connect external devices to your computer via the input/output (I/O) panel. The back of your Dell system, including the I/O panel, may look different from the examples shown here.

1

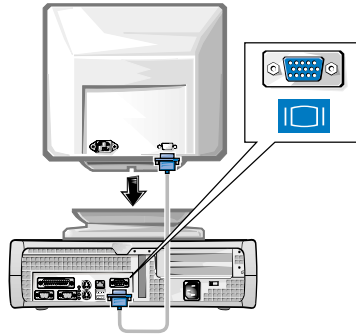




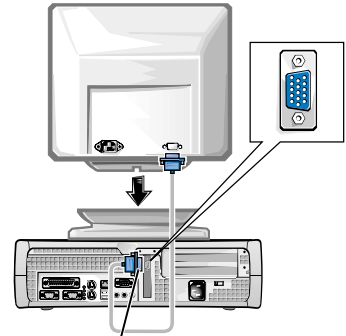
 **NOTE:** Connect only one keyboard and one mouse.

 **NOTE:** If you have a Universal Serial Bus (USB)-compliant mouse or keyboard, use the USB connectors on the back of your system.

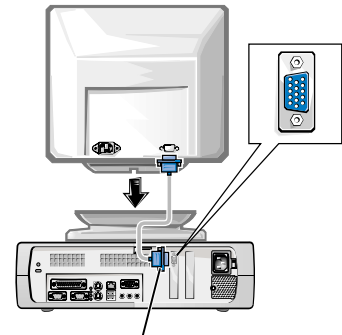
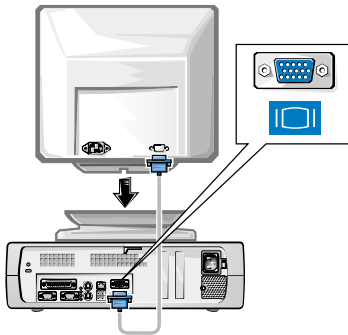
2 System with one video connector




System with two video connectors



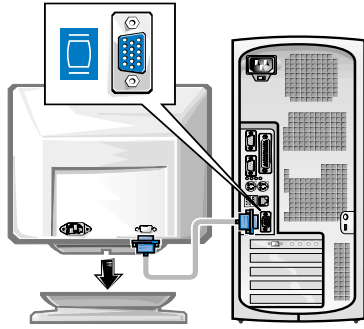
video connector
on expansion card



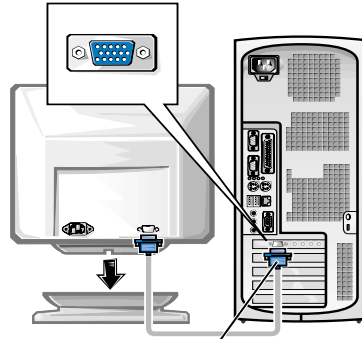
video connector
on expansion card

 **NOTE:** If your system has two video connectors, the integrated video connector is disabled and has a protective cap on it. Use the expansion card connector, as shown in the illustrations on the right in step 2.

**System with
one video connector**



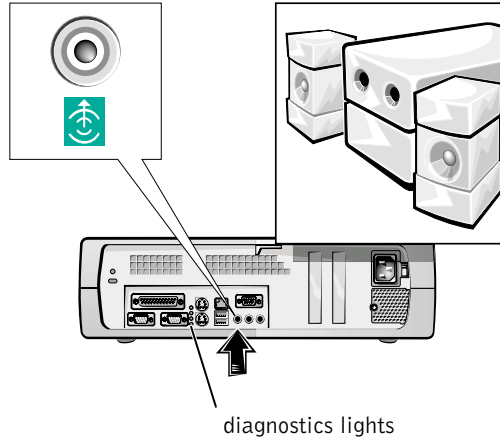
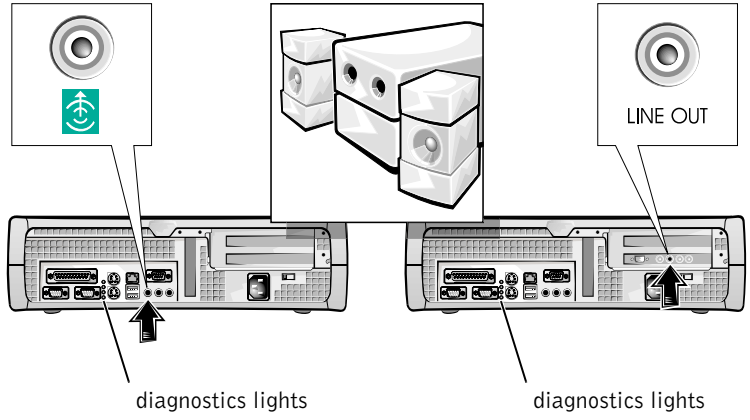
**System with
two video connectors**

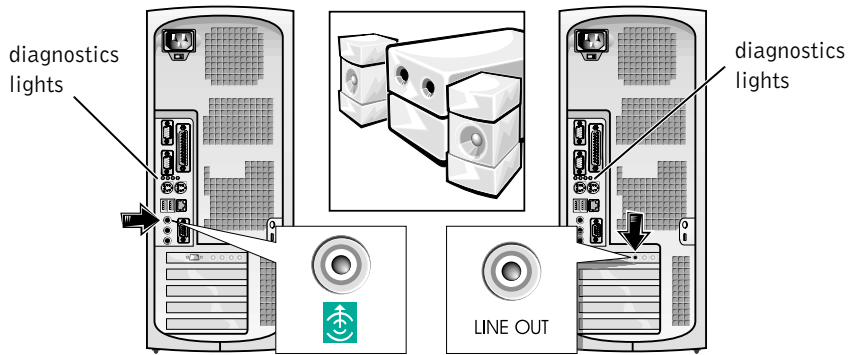


video connector
on expansion card

NOTE: If your system has two video connectors, the integrated video connector is disabled and has a protective cap on it. Use the expansion card connector, as shown in the illustrations on the right in step 2.

3

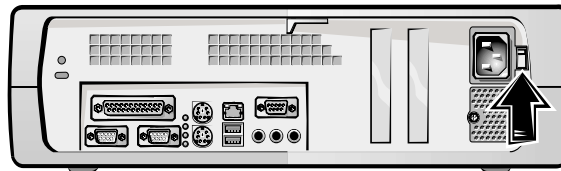
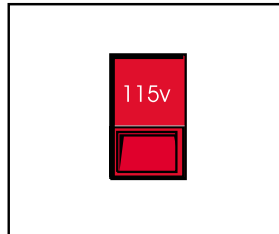
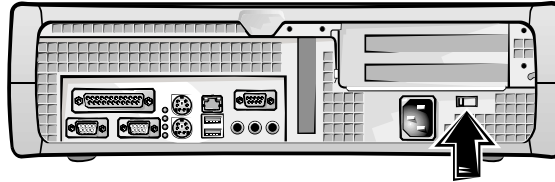
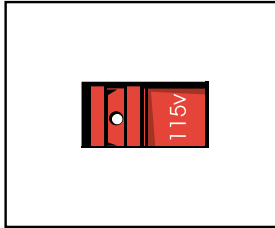





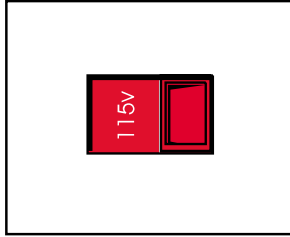
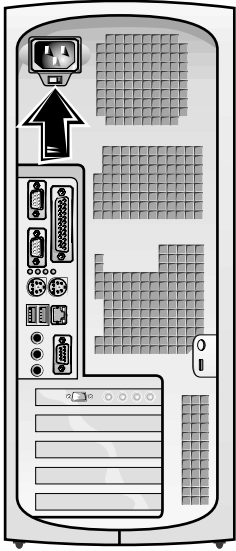
NOTE: If your system has two audio connectors, use the one on the expansion card, as shown in the illustrations on the right in step 3.

Verify that the voltage selection switch is set correctly for your location. For more information, see “When Using Your Computer System” found later in this document.

4

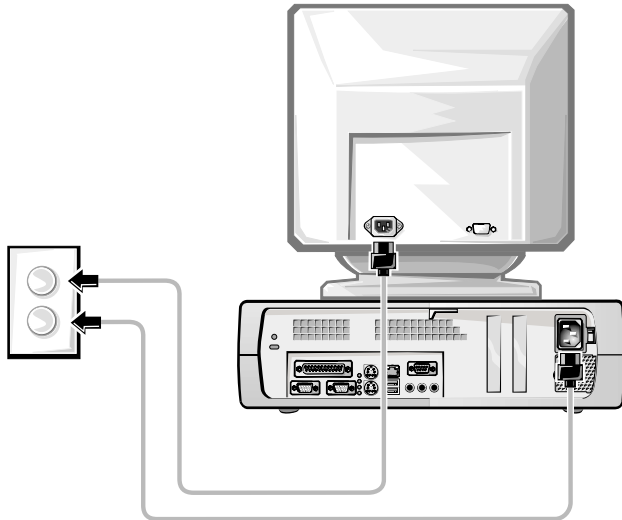
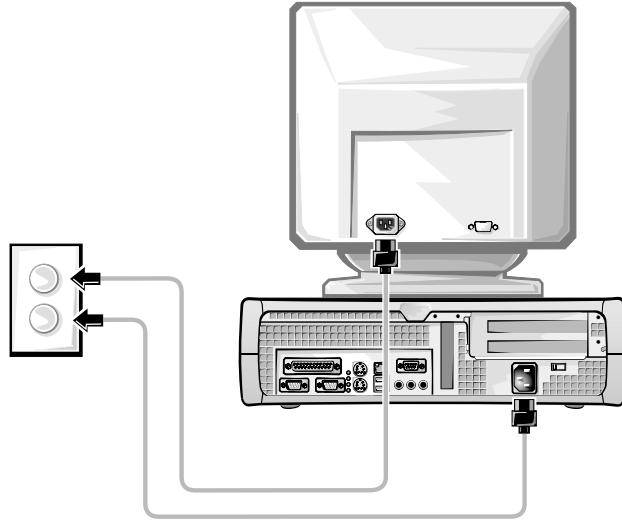


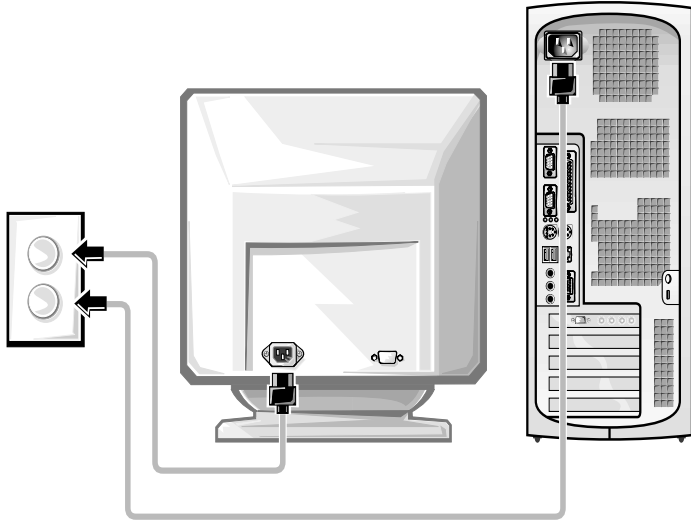
 **NOTE:** Auto-select power supplies do not require a voltage selection switch. Your power supply may not have this switch.



! **CAUTION:** To help prevent electric shock, use only the power cable provided and ensure that it is plugged into a properly grounded power source.

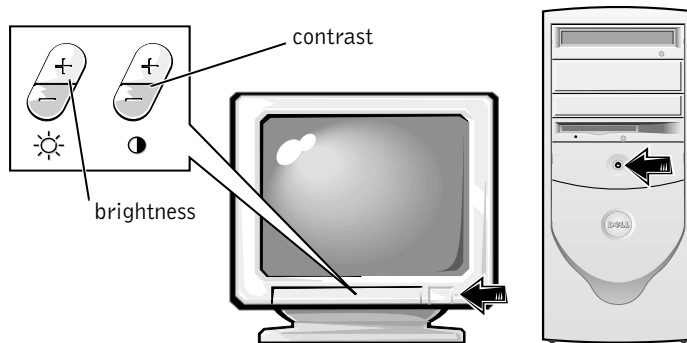
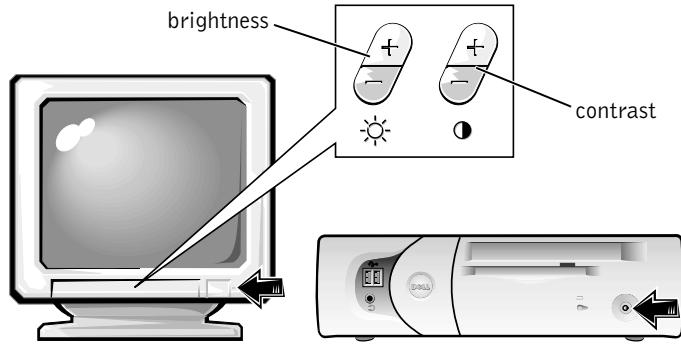
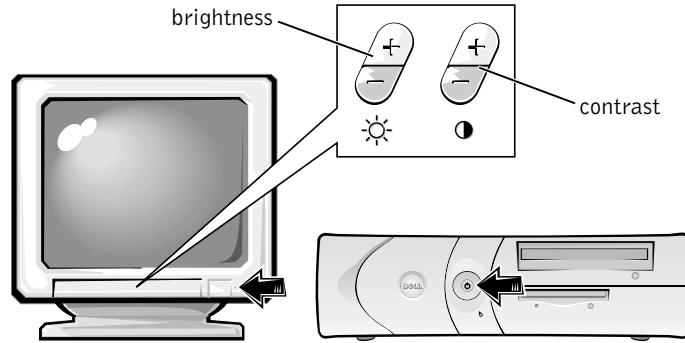
5





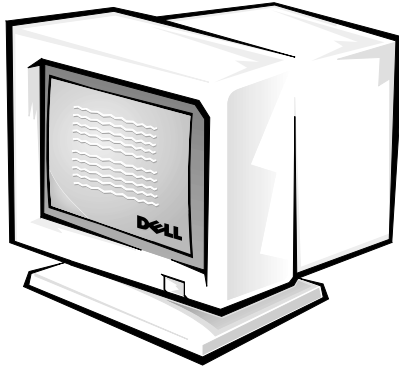
The following illustrations show power button locations and monitor controls.

6



Read the software license agreement and follow the operating system setup instructions on the screen.

7



Congratulations! You have completed your system setup.

Depending on your operating system, double-click the **User's Guides** icon on your desktop (shown below), or click the **Start** button and then select **Help and Support** to access the electronic documentation stored on your hard drive.



Solving Problems

Dell provides a number of tools to help you if your system does not perform as expected. For the latest troubleshooting information available for your system, see the Dell support website at support.dell.com. You can also find descriptions of Dell troubleshooting tools in the section titled “Getting Help” in your online *User’s Guide*.

If computer problems occur that require help from Dell, write a detailed description of the error, beep codes, or diagnostics light patterns; record your Express Service Code and Service Tag Number below; and then contact Dell from the same location as your computer.

See “Finding Information and Assistance” on page 5 for an example of the express service code and service tag numbers.

Express Service Code: _____

Service Tag Number: _____

Your computer includes the following tools that can help you solve a problem:

DELL DIAGNOSTICS—The Dell Diagnostics test various components in your computer and help to identify the cause of computer problems. For more information, see "Running the Dell Diagnostics" on page 22.

SYSTEM LIGHTS—Located on the front of the computer, these lights can help troubleshoot a computer problem. For more information, see your *User’s Guide*.

DIAGNOSTIC LIGHTS—Located on the back of the computer, these lights can help troubleshoot a computer problem. For more information, see your *User’s Guide*.

SYSTEM MESSAGES—The computer reports these messages to warn you of current or possible failure. For more information, see your *User’s Guide*.

BEEP CODES—A series of audible beep codes emitted by your computer can help identify a problem. For more information, see your *User’s Guide*.

Using the *Dell OptiPlex ResourceCD*

To use the *Dell OptiPlex ResourceCD* while you are running the Microsoft® Windows® operating system, perform the following steps.



NOTE: To access device drivers and user documentation, you must use the *ResourceCD* while you are running Windows.

- 1 Turn on the computer and allow it to boot to the Windows desktop.
- 2 Insert the *Dell OptiPlex ResourceCD* into the CD drive.

If you are using the *Dell OptiPlex ResourceCD* for the first time on this computer, the **ResourceCD Installation** window opens to inform you that the *ResourceCD* is about to begin installation.

- 3 Click **OK** to continue.

To complete the installation, respond to the prompts offered by the installation program.

- 4 Click **Next** at the **Welcome Dell System Owner** screen.
- 5 Choose the appropriate **System Model**, **Operating System**, **Device Type**, and **Topic**.

Drivers for Your Computer

To display a list of device drivers for your computer, perform the following steps:

- 1 Click **My Drivers** in the **Topic** pull-down menu.


The *ResourceCD* scans your computer's hardware and operating system, and then a list of device drivers for your system configuration is displayed on the screen.

- 2 Click the appropriate driver and follow the instructions to download the driver to your computer.

To view all available drivers for your computer, click **Drivers** from the **Topic** pull-down menu.

Running the Dell Diagnostics

The Dell Diagnostics is a program that tests various components in your computer. Run this program whenever you have a computer problem to help you identify the source of the problem. You can run the Dell Diagnostics from your hard drive or the *ResourceCD*.

 **NOTICE:** If your hard drive fails, run the Dell IDE Hard Drive Diagnostics (see “Running the Dell IDE Hard Drive Diagnostics” on page 23).

- 1 Turn on your computer (if your computer is already on, restart it).
- 2 When **F2 = Setup** appears in the upper-right corner of the screen, press <Ctrl><Alt><F10>.

The diagnostics initialization begins immediately; then the **Diagnostics Menu** appears.


- 3 Select the appropriate diagnostic option for your computer.

To use the diagnostics, follow instructions on the screen.

Changing the Boot Sequence

To run the Dell Diagnostics from the *ResourceCD*, perform the following steps to enable your computer to boot from the CD:

- 1 Insert the *Dell OptiPlex ResourceCD* into the CD drive.
- 2 Turn on (or restart) your computer.
- 3 When **F2 = Setup** appears in the upper-right corner of the screen, press <Ctrl><Alt><F8>.

 **NOTE:** This feature changes the boot sequence for one time only. On the next start-up, the computer boots according to the devices specified in system setup.

The **Boot Device Menu** appears.

If you wait too long and the Windows logo appears, continue to wait until you see the Windows desktop. Then shut down your computer and try again.

- 4 Select the **CD-ROM Device** option.

Running the Dell IDE Hard Drive Diagnostics

The Dell IDE Hard Drive Diagnostics is a utility that tests the hard drive to troubleshoot or confirm a hard drive failure.

- 1 Turn on your computer (if your computer is already on, restart it).
- 2 When **F2 = Setup** appears in the upper-right corner of the screen, press **<Ctrl> <Alt> <D>**.
- 3 Follow the instructions on the screen.


If a failure is reported, see “Hard Drive Problems” in your *User’s Guide*.


Safety Instructions

Use the following safety guidelines to help protect your computer system from potential damage and to ensure your own personal safety.

When Working Inside Your Computer

Before you remove the computer cover, perform the following steps in the sequence indicated.

 **NOTICE:** Do not attempt to service the computer yourself, except as explained in your online Dell documentation or otherwise provided to you. Always follow installation and service instructions closely.

 **CAUTION:** There is a danger of a new battery exploding if it is incorrectly installed. Replace the battery only with the same or equivalent type recommended by the manufacturer. Discard used batteries according to the manufacturer’s instructions.

- 1 Turn off your computer and any peripherals.
- 2 Ground yourself by touching an unpainted metal surface on the chassis, such as the metal around the card-slot openings at the back of the computer, before touching anything inside your computer.

While you work, periodically touch an unpainted metal surface on the computer chassis to dissipate any static electricity that might harm internal components.

- 3 Disconnect your computer and peripherals from their power sources. Also, disconnect any telephone or telecommunication lines from the computer.


Doing so reduces the potential for personal injury or shock.

In addition, take note of these safety guidelines when appropriate:

- To avoid shorting out your computer when disconnecting a network cable, first unplug the cable from the network interface controller (NIC) on the back of your computer, and then from the network jack on the wall. When reconnecting a network cable to your computer, first plug the cable into the network jack, and then into the NIC.
- When you disconnect a cable, pull on its connector or on its strain-relief loop, not on the cable itself. Some cables have a connector with locking tabs; if you are disconnecting this type of cable, press in on the locking tabs before disconnecting the cable. As you pull connectors apart, keep them evenly aligned to avoid bending any connector pins. Also, before you connect a cable, make sure both connectors are correctly oriented and aligned.
- Handle components and cards with care. Do not touch the components or contacts on a card. Hold a card by its edges or by its metal mounting bracket. Hold a component such as a microprocessor chip by its edges, not by its pins.


When Using Your Computer System

As you use your computer system, observe the following safety guidelines.

 **CAUTION: Do not operate your computer system with any cover(s) (including computer covers, bezels, filler brackets, and front-panel inserts) removed.**


- To help avoid damaging your computer, be sure the voltage selection switch on the power supply is set to match the AC power available at your location:
 - 115 volts (V)/60 hertz (Hz) in most of North and South America and some Far Eastern countries such as South Korea and Taiwan

- 100 V/50 Hz in eastern Japan and 100 V/60 Hz in western Japan

 **NOTE:** The voltage selection switch must be set to the 115V position even though the AC supply in Japan is 100 V.

- 230 V/50 Hz in most of Europe, the Middle East, and the Far East

Also be sure your monitor and attached peripherals are electrically rated to operate with the AC power available in your location.


 **NOTE:** Auto-select power supplies do not require a voltage selection switch. Your power supply may not have this switch.



- To help prevent electric shock, plug the computer and peripheral power cables into properly grounded power sources. These cables are equipped with three-prong plugs to help ensure proper grounding. Do not use adapter plugs or remove the grounding prong from a cable. If you must use an extension cable, use a three-wire cable with properly grounded plugs.




- Before working inside the computer, unplug the system to help prevent electric shock or system board damage. Certain system board components continue to receive power any time the computer is connected to AC power.
- To help avoid possible damage to the system board, wait 15 seconds after unplugging the system before disconnecting a device from the computer.

 **NOTICE:** Observe when the auxiliary power light-emitting diode (LED) indicator on the system board turns off to verify that system power is off (see your *User's Guide* for the location of this LED).

- To help protect your computer system from sudden, transient increases and decreases in electrical power, use a surge suppressor, line conditioner, or uninterruptible power supply (UPS).
- Be sure nothing rests on your computer system's cables and that the cables are not located where they can be stepped on or tripped over.
- Do not spill food or liquids on your computer. If the computer gets wet, consult your *User's Guide*.
- Do not push any objects into the openings of your computer. Doing so can cause fire or electric shock by shorting out interior components.
- Keep your computer away from radiators and heat sources. Also, do not block cooling vents. Avoid placing loose papers underneath your computer; do not place your computer in a closed-in wall unit or on a bed, sofa, or rug.

Ergonomic Computing Habits

 **CAUTION: Improper or prolonged keyboard use may result in injury.**

 **CAUTION: Viewing the monitor screen for extended periods of time may result in eye strain.**

For comfort and efficiency, observe the ergonomic guidelines in your *User's Guide* when setting up and using your computer system.

Regulatory Information

Electromagnetic Interference (EMI) is any signal or emission, radiated in free space or conducted along power or signal leads, that endangers the functioning of a radio navigation or other safety service or seriously degrades, obstructs, or repeatedly interrupts a licensed radio communications service.

Your Dell computer system is designed to comply with applicable regulations regarding EMI. Changes or modifications not expressly approved by Dell could void the user's authority to operate the equipment.



NOTE: Additional regulatory information regarding your system can be found in your *User's Guide*.


Limited One-Year Warranty (U.S. Only)

Dell Computer Corporation (“Dell”) manufactures its hardware products from parts and components that are new or equivalent to new in accordance with industry-standard practices. Dell warrants that the hardware products it manufactures will be free from defects in materials and workmanship. The limited warranty term is one year beginning on the date of invoice, as further described in the following text.

Damage due to shipping the products to you is covered under this limited warranty. Otherwise, this limited warranty does not cover damage due to external causes, including accident, abuse, misuse, problems with electrical power, servicing not authorized by Dell, usage not in accordance with product instructions, failure to perform required preventive maintenance, and problems caused by use of parts and components not supplied by Dell.

This limited warranty does not cover any items that are in one or more of the following categories: software; external devices (except as specifically noted); accessories or parts added to a Dell system after the system is shipped from Dell; accessories or parts added to a Dell system through Dell’s system integration department; accessories or parts that are not installed in the Dell factory; or Dell Software and Peripherals products. Monitors, keyboards, and mice that are Dell-branded or that are included on Dell’s standard price list are covered under this limited warranty; all other monitors, keyboards, and mice (including those sold through the Dell Software and Peripherals program) are not covered.

Dell will repair or replace products covered under this limited warranty that are returned to Dell’s facility. To request warranty service, you must contact Dell’s Customer Technical Support within the limited warranty period. See “Getting Help” in your *User’s Guide* to find the appropriate contact information for obtaining customer assistance. If warranty service is required, Dell will issue a Return Material Authorization Number. You must ship the products back to Dell in their original or equivalent packaging, prepay shipping charges, and insure the shipment or accept the risk of loss or damage during shipment. Dell will ship the repaired or replacement products to you (freight prepaid) if you use an address in the continental U.S., where applicable. Shipments to other locations will be made freight collect.

 **NOTE:** Before you ship the product(s) to Dell, back up the data on the hard-disk drive(s) and any other storage device(s) in the product(s). Remove any removable media, such as diskettes, CDs, or PC Cards.

Dell owns all parts removed from repaired products. Dell uses new and reconditioned parts made by various manufacturers in performing warranty repairs and building replacement products. If Dell repairs or replaces a product, its warranty term is not extended.

THIS LIMITED WARRANTY GIVES YOU SPECIFIC LEGAL RIGHTS, AND YOU MAY ALSO HAVE OTHER RIGHTS, WHICH VARY FROM STATE TO STATE (OR JURISDICTION TO JURISDICTION). DELL'S RESPONSIBILITY FOR MALFUNCTIONS AND DEFECTS IN HARDWARE IS LIMITED TO REPAIR AND REPLACEMENT AS SET FORTH IN THIS LIMITED WARRANTY STATEMENT. ALL EXPRESS AND IMPLIED WARRANTIES FOR THE PRODUCT, INCLUDING BUT NOT LIMITED TO ANY IMPLIED WARRANTIES OF AND CONDITIONS OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, ARE LIMITED IN DURATION TO THE WARRANTY PERIOD SET FORTH ABOVE AND NO WARRANTIES, WHETHER EXPRESS OR IMPLIED, WILL APPLY AFTER SUCH PERIOD.

SOME STATES (OR JURISDICTIONS) DO NOT ALLOW LIMITATIONS ON HOW LONG AN IMPLIED WARRANTY LASTS, SO THE PRECEDING LIMITATION MAY NOT APPLY TO YOU.

DELL DOES NOT ACCEPT LIABILITY BEYOND THE REMEDIES SET FORTH IN THIS LIMITED WARRANTY STATEMENT OR LIABILITY FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES, INCLUDING WITHOUT LIMITATION ANY LIABILITY FOR PRODUCTS NOT BEING AVAILABLE FOR USE OR FOR LOST DATA OR SOFTWARE.

SOME STATES (OR JURISDICTIONS) DO NOT ALLOW THE EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THE PRECEDING EXCLUSION OR LIMITATION MAY NOT APPLY TO YOU.

These provisions apply to Dell's one-year limited warranty only. For provisions of any service contract covering your system, refer to your invoice or the separate service contract that you will receive.

If Dell elects to exchange a product or portion of a product, the exchange will be made in accordance with Dell's Exchange Policy in effect on the date of the exchange. In any instance in which Dell issues a Return Material Authorization Number, Dell must receive the product(s) for repair prior to the expiration of the warranty period in order for the repair(s) to be covered by the limited warranty.


One-Year Limited Warranty (Canada Only)

Dell Computer Corporation ("Dell") manufactures its hardware products from parts and components that are new or equivalent to new in accordance with industry-standard practices. Dell warrants that the hardware products it manufactures will be free from defects in materials and workmanship. The limited warranty term is one year beginning on the date of invoice, as further described in the following text.

Damage due to shipping the products to you is covered under this limited warranty. Otherwise, this limited warranty does not cover damage due to external causes, including accident, abuse, misuse, problems with electrical power, servicing not authorized by Dell, usage not in accordance with product instructions, failure to perform required preventive maintenance, and problems caused by use of parts and components not supplied by Dell.

This limited warranty does not cover any items that are in one or more of the following categories: software; external devices (except as specifically noted); accessories or parts added to a Dell system after the system is shipped from Dell; accessories or parts added to a Dell system through Dell's system integration department; accessories or parts that are not installed in the Dell factory; or Dell Software and Peripherals products. Monitors, keyboards, and mice that are Dell-branded or that are included on Dell's standard price list are covered under this limited warranty; all other monitors, keyboards, and mice (including those sold through the Dell Software and Peripherals program) are not covered.

Dell will repair or replace products covered under this limited warranty that are returned to Dell's facility. To request warranty service, you must contact Dell's Customer Technical Support within the warranty period. See "Getting Help" in your *User's Guide* to find the appropriate contact information for obtaining customer assistance. If warranty service is required, Dell will issue a Return Material Authorization Number. You must ship the products back to Dell in their original or equivalent packaging, prepay shipping charges, and insure the shipment or accept the risk of loss or damage during shipment. Dell will ship the repaired or replacement products to you (freight prepaid) if you use an address in Canada, where applicable. Shipments to other locations will be made freight collect.

 **NOTE:** Before you ship the product(s) to Dell, back up the data on the hard-disk drive(s) and any other storage device(s) in the product(s). Remove any removable media, such as diskettes, CDs, or PC Cards.

Dell owns all parts removed from repaired products. Dell uses new and reconditioned parts made by various manufacturers in performing warranty repairs and building replacement products. If Dell repairs or replaces a product, its warranty term is not extended.

DELL MAKES NO EXPRESS WARRANTIES OR CONDITIONS BEYOND THOSE STATED IN THIS LIMITED WARRANTY STATEMENT. DELL DISCLAIMS ALL OTHER WARRANTIES AND CONDITIONS, EXPRESS OR IMPLIED, INCLUDING WITHOUT LIMITATION IMPLIED WARRANTIES AND CONDITIONS OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. SOME STATES (OR JURISDICTIONS) DO NOT ALLOW LIMITATIONS ON IMPLIED WARRANTIES OR CONDITIONS, SO THIS LIMITATION MAY NOT APPLY TO YOU.

DELL'S RESPONSIBILITY FOR MALFUNCTIONS AND DEFECTS IN HARDWARE IS LIMITED TO REPAIR AND REPLACEMENT AS SET FORTH IN THIS LIMITED WARRANTY STATEMENT. THESE WARRANTIES GIVE YOU SPECIFIC LEGAL RIGHTS, AND YOU MAY ALSO HAVE OTHER RIGHTS, WHICH VARY FROM STATE TO STATE (OR JURISDICTION TO JURISDICTION).

DELL DOES NOT ACCEPT LIABILITY BEYOND THE REMEDIES SET FORTH IN THIS LIMITED WARRANTY STATEMENT OR LIABILITY FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES, INCLUDING WITHOUT LIMITATION ANY LIABILITY FOR PRODUCTS NOT BEING AVAILABLE FOR USE OR FOR LOST DATA OR SOFTWARE.

SOME STATES (OR JURISDICTIONS) DO NOT ALLOW THE EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THE PRECEDING EXCLUSION OR LIMITATION MAY NOT APPLY TO YOU.

These provisions apply to Dell's one-year limited warranty only. For provisions of any service contract covering your system, refer to your invoice or the separate service contract that you will receive.

If Dell elects to exchange a product or portion of a product, the exchange will be made in accordance with Dell's Exchange Policy in effect on the date of the exchange. In any instance in which Dell issues a Return Material Authorization Number, Dell must receive the product(s) for repair prior to the expiration of the warranty period in order for the repair(s) to be covered by the limited warranty.

Three-Year Limited Warranty (U.S. Only)


Dell Computer Corporation ("Dell") manufactures its hardware products from parts and components that are new or equivalent to new in accordance with industry-standard practices. Dell warrants that the hardware products it manufactures will be free from defects in materials and workmanship. The limited warranty term is three years beginning on the date of invoice, as described in the following text.

Damage due to shipping the products to you is covered under this limited warranty. Otherwise, this limited warranty does not cover damage due to external causes, including accident, abuse, misuse, problems with electrical power, servicing not authorized by Dell, usage not in accordance with product instructions, failure to perform required preventive maintenance, and problems caused by use of parts and components not supplied by Dell.

This limited warranty does not cover any items that are in one or more of the following categories: software; external devices (except as specifically noted); accessories or parts added to a Dell system after the system is shipped from Dell; accessories or parts added to a Dell system through Dell's system integration department; accessories or parts that are not installed in the Dell factory; or Dell Software and Peripherals products. Monitors, keyboards, and mice that are Dell-branded or that are included on Dell's standard price list are covered under this limited warranty; all other monitors, keyboards, and mice (including those sold through the Dell Software and Peripherals program) are not covered. Batteries for portable computers are covered only during the initial one-year period of this limited warranty.

Coverage During Year One

During the one-year period beginning on the invoice date, Dell will repair or replace products covered under this limited warranty that are returned to Dell's facility. To request warranty service, you must contact Dell's Customer Technical Support within the warranty period. See "Getting Help" in your *User's Guide* to find the appropriate contact information for obtaining customer assistance. If warranty service is required, Dell will issue a Return Material Authorization Number. You must ship the products back to Dell in their original or equivalent packaging, prepay shipping charges, and insure the shipment or accept the risk of loss or damage during shipment. Dell will ship the repaired or replacement products to you freight prepaid if you use an address in the continental U.S., where applicable. Shipments to other locations will be made freight collect.

 **NOTE:** Before you ship the product(s) to Dell, back up the data on the hard-disk drive(s) and any other storage device(s) in the product(s). Remove any removable media, such as diskettes, CDs, or PC Cards. Dell does not accept liability for lost data or software.

Dell owns all parts removed from repaired products. Dell uses new and reconditioned parts made by various manufacturers in performing warranty repairs and building replacement products. If Dell repairs or replaces a product, its warranty term is not extended.

Coverage During Years Two and Three

During the second and third years of this limited warranty, Dell will provide, on an exchange basis and subject to Dell's Exchange Policy in effect on the date of the exchange, replacement parts for the Dell hardware product(s) covered under this limited warranty when a part requires replacement. You must report each instance of hardware failure to Dell's Customer Technical Support in advance to obtain Dell's concurrence that a part should be replaced and to have Dell ship the replacement part. Dell will ship parts (freight prepaid) if you use an address in the continental U.S., where applicable. Shipments to other locations will be made freight collect. Dell will include a prepaid shipping container with each replacement part for your use in returning the replaced part to Dell. Replacement parts are new or reconditioned. Dell may provide replacement parts made by various manufacturers when supplying parts to you. The warranty term for a replacement part is the remainder of the limited warranty term.

You will pay Dell for replacement parts if the replaced part is not returned to Dell. The process for returning replaced parts, and your obligation to pay for replacement parts if you do not return the replaced parts to Dell, will be in accordance with Dell's Exchange Policy in effect on the date of the exchange.

You accept full responsibility for your software and data. Dell is not required to advise or remind you of appropriate backup and other procedures.

General Provisions

THIS LIMITED WARRANTY GIVES YOU SPECIFIC LEGAL RIGHTS, AND YOU MAY ALSO HAVE OTHER RIGHTS, WHICH VARY FROM STATE TO STATE (OR JURISDICTION TO JURISDICTION). DELL'S RESPONSIBILITY FOR MALFUNCTIONS AND DEFECTS IN HARDWARE IS LIMITED TO REPAIR AND REPLACEMENT AS SET FORTH IN THIS LIMITED WARRANTY STATEMENT. ALL EXPRESS AND IMPLIED WARRANTIES FOR THE PRODUCT, INCLUDING BUT NOT LIMITED TO ANY IMPLIED WARRANTIES OF AND CONDITIONS OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, ARE LIMITED IN DURATION TO THE WARRANTY PERIOD SET FORTH ABOVE AND NO WARRANTIES, WHETHER EXPRESS OR IMPLIED, WILL APPLY AFTER SUCH PERIOD.

SOME STATES (OR JURISDICTIONS) DO NOT ALLOW LIMITATIONS ON HOW LONG AN IMPLIED WARRANTY LASTS, SO THE PRECEDING LIMITATION MAY NOT APPLY TO YOU.

DELL DOES NOT ACCEPT LIABILITY BEYOND THE REMEDIES SET FORTH IN THIS LIMITED WARRANTY STATEMENT OR LIABILITY FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES, INCLUDING WITHOUT LIMITATION ANY LIABILITY FOR PRODUCTS NOT BEING AVAILABLE FOR USE OR FOR LOST DATA OR SOFTWARE.

SOME STATES (OR JURISDICTIONS) DO NOT ALLOW THE EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THE PRECEDING EXCLUSION OR LIMITATION MAY NOT APPLY TO YOU.

These provisions apply to Dell's three-year limited warranty only. For provisions of any service contract covering your system, refer to your invoice or the separate service contract that you will receive.

If Dell elects to exchange a system or component, the exchange will be made in accordance with Dell's Exchange Policy in effect on the date of the exchange. In any instance in which Dell issues a Return Material Authorization Number, Dell must receive the product(s) for repair prior to the expiration of the warranty period in order for the repair(s) to be covered by the limited warranty.



NOTE: If you chose one of the available warranty and service options in place of the standard three-year limited warranty described in the preceding text, the option you chose will be listed on your invoice.

Three-Year Limited Warranty (Canada Only)

Dell Computer Corporation ("Dell") manufactures its hardware products from parts and components that are new or equivalent to new in accordance with industry-standard practices. Dell warrants that the hardware products it manufactures will be free from defects in materials and workmanship. The warranty term is three years beginning on the date of invoice, as described in the following text.

Damage due to shipping the products to you is covered under this limited warranty. Otherwise, this limited warranty does not cover damage due to external causes, including accident, abuse, misuse, problems with electrical power, servicing not authorized by Dell, usage not in accordance with product instructions, failure to perform required preventive maintenance, and problems caused by use of parts and components not supplied by Dell.

This limited warranty does not cover any items that are in one or more of the following categories: software; external devices (except as specifically noted); accessories or parts added to a Dell system after the system is shipped from Dell; accessories or parts added to a Dell system through Dell's system integration department; accessories or parts that are not installed in the Dell factory; or Dell Software and Peripherals products. Monitors, keyboards, and mice that are Dell-branded or that are included on Dell's standard price list are covered under this limited warranty; all other monitors, keyboards, and mice (including those sold through the Dell Software and Peripherals program) are not covered. Batteries for portable computers are covered only during the initial one-year period of this limited warranty.

Coverage During Year One

During the one-year period beginning on the invoice date, Dell will repair or replace products covered under this limited warranty that are returned to Dell's facility. To request warranty service, you must contact Dell's Customer Technical Support within the warranty period. See "Getting Help" in your *User's Guide* to find the appropriate contact information for obtaining customer assistance. If warranty service is required, Dell will issue a Return Material Authorization Number. You must ship the products back to Dell in their original or equivalent packaging, prepay shipping charges, and insure the shipment or accept the risk of loss or damage during shipment. Dell will ship the repaired or replacement products to you freight prepaid if you use an address in Canada, where applicable. Shipments to other locations will be made freight collect.



NOTE: Before you ship the product(s) to Dell, back up the data on the hard-disk drive(s) and any other storage device(s) in the product(s). Remove any removable media, such as diskettes, CDs, or PC Cards. Dell does not accept liability for lost data or software.

Dell owns all parts removed from repaired products. Dell uses new and reconditioned parts made by various manufacturers in performing warranty repairs and building replacement products. If Dell repairs or replaces a product, its warranty term is not extended.

Coverage During Years Two and Three

During the second and third years of this limited warranty, Dell will provide, on an exchange basis and subject to Dell's Exchange Policy in effect on the date of the exchange, replacement parts for the Dell hardware product(s) covered under this limited warranty when a part requires replacement. You must report each instance of hardware failure to Dell's Customer Technical Support in advance to obtain Dell's concurrence that a part should be replaced and to have Dell ship the replacement part. Dell will ship parts (freight prepaid) if you use an address in Canada, where applicable. Shipments to other locations will be made freight collect. Dell will include a prepaid shipping container with each replacement part for your use in returning the replaced part to Dell. Replacement parts are new or reconditioned. Dell may provide replacement parts made by various manufacturers when supplying parts to you. The warranty term for a replacement part is the remainder of the limited warranty term.

You will pay Dell for replacement parts if the replaced part is not returned to Dell. The process for returning replaced parts, and your obligation to pay for replacement parts if you do not return the replaced parts to Dell, will be in accordance with Dell's Exchange Policy in effect on the date of the exchange.

You accept full responsibility for your software and data. Dell is not required to advise or remind you of appropriate backup and other procedures.

General Provisions

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 **NOTE:** If you chose one of the available warranty and service options in place of the standard three-year limited warranty described in the preceding text, the option you chose will be listed on your invoice.

One-Year End-User Manufacturer Guarantee (Latin America and the Caribbean Only)

Guarantee

Dell Computer Corporation (“Dell”) warrants to the end user in accordance with the following provisions that its branded hardware products, purchased by the end user from a Dell company or an authorized Dell distributor in Latin America or the Caribbean, will be free from defects in materials, workmanship, and design affecting normal use, for a period of one year from the original purchase date. Products for which proper claims are made will, at Dell’s option, be repaired or replaced at Dell’s expense. Dell owns all parts removed from repaired products. Dell uses new and reconditioned parts made by various manufacturers in performing repairs and building replacement products.

Exclusions

This Guarantee does not apply to defects resulting from: improper or inadequate installation, use, or maintenance; actions or modifications by unauthorized third parties or the end user; accidental or willful damage; or normal wear and tear.

Making a Claim

Claims must be made in Latin America or the Caribbean by contacting the Dell point of sale within the guarantee period. The end user must always supply proof of purchase, indicating name and address of the seller, date of purchase, model and serial number, name and address of the customer, and details of symptoms and configuration at the time of malfunction, including peripherals and software used. Otherwise, Dell may refuse the guarantee claim. Upon diagnosis of a warranted defect, Dell will make arrangements and pay for ground freight and insurance to and from Dell's repair/replacement center. The end user must ensure that the defective product is available for collection properly packed in original or equally protective packaging together with the details listed above and the return number provided to the end user by Dell.

Limitation and Statutory Rights

Dell makes no other warranty, guarantee or like statement other than as explicitly stated above, and this Guarantee is given in place of all other guarantees whatsoever, to the fullest extent permitted by law. In the absence of applicable legislation, this Guarantee will be the end user's sole and exclusive remedy against Dell or any of its affiliates, and neither Dell nor any of its affiliates shall be liable for loss of profit or contracts, or any other indirect or consequential loss arising from negligence, breach of contract, or howsoever.

This Guarantee does not impair or affect mandatory statutory rights of the end user against and/or any rights resulting from other contracts concluded by the end user with Dell and/or any other seller.

Dell World Trade LP

One Dell Way, Round Rock, TX 78682, USA

Dell Computadores do Brasil Ltda (CNPJ No. 72.381.189/0001-10)/

Dell Commercial do Brasil Ltda (CNPJ No. 03 405 822/0001-40)

Avenida Industrial Belgraf, 400

92990-000 - Eldorado do Sul – RS - Brasil

Dell Computer de Chile Ltda

Coyancura 2283, Piso 3- Of.302,

Providencia, Santiago - Chile

Dell Computer de Colombia Corporation
Carrera 7 #115-33 Oficina 603
Bogota, Colombia

Dell Computer de Mexico SA de CV
Paseo de la Reforma 2620 - 11° Piso
Col. Lomas Altas
11950 México, D.F.

“Total Satisfaction” Return Policy (U.S. and Canada Only)

If you are an end-user customer who bought new products directly from a Dell company, you may return them to Dell within 30 days of the date of invoice for a refund or credit of the product purchase price. If you are an end-user customer who bought reconditioned or refurbished products from a Dell company, you may return them to Dell within 14 days of the date of invoice for a refund or credit of the product purchase price. In either case, the refund or credit will not include any shipping and handling charges shown on your invoice. If you are an organization that bought the products under a written agreement with Dell, the agreement may contain different terms for the return of products than specified by this policy.

To return products, you must contact Dell Customer Service to receive a Credit Return Authorization Number. See “Getting Help” in your *User’s Guide* to find the appropriate contact information for obtaining customer assistance. To expedite the processing of your refund or credit, Dell expects you to return the products to Dell in their original packaging within five days of the date that Dell issues the Credit Return Authorization Number. You must also prepay shipping charges and insure the shipment or accept the risk of loss or damage during shipment. You may return software for refund or credit only if the sealed package containing the diskette(s) or CD(s) is unopened. Returned products must be in as-new condition, and all of the manuals, diskette(s), CD(s), power cables, and other items included with a product must be returned with it. For customers who want to return, for refund or credit only, either applications software or an operating system that has been installed by Dell, the whole system must be returned, along with any media and documentation that may have been included in the original shipment.

This “Total Satisfaction” Return Policy does not apply to Dell Software and Peripherals products, which may be returned under Dell Software and Peripherals’ then-current return policy. In addition, reconditioned parts purchased through Dell Spare Parts Sales in Canada are nonreturnable.

Sistemas Dell™ OptiPlex™

Guia de configuração e de referência rápida



Notas, Avisos e Cuidados



NOTA: indica informações importantes que ajudam a utilizar melhor o computador.



AVISO: indica riscos para o hardware ou de perda de dados e ensina como evitar o problema.



CUIDADO: indica riscos de danos materiais, lesões pessoais ou morte.

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Novembro de 2001 P/N 38WYD Rev. A05

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Sobre este Guia

Este documento contém informações sobre primeiros passos/configuração; solução de problemas e regulamentação e segurança do computador Dell™ OptiPlex™.

Para obter as últimas versões dos documentos em sua unidade de disco rígido, vá para o site de suporte da Dell no endereço support.dell.com (em Inglês).

Números de regulamentação do modelo aparecem por todo este documento; seus tipos de chassi equivalentes estão relacionados a seguir:

Números de regulamentação do modelo e tipos de chassi


DHS = chassi de mesa pequeno (SD)

DHP = chassi de fator de forma pequeno (SF)





DHM = chassi tipo mini-torre (SMT) pequeno

Como obter informações e assistência


Recursos e ferramentas de suporte

Recurso	Conteúdo	Utilização do recurso
	<p><i>Dell OptiPlex ResourceCD</i></p> <ul style="list-style-type: none">• Programa Dell Diagnostics• Drivers• Utilitários• Documentação do computador e do dispositivo	<p>Consulte o menu principal no <i>ResourceCD</i> que foi enviado com o seu computador. Use o menu suspenso para fazer as seleções apropriadas para o seu computador. Você pode executar as seguintes tarefas:</p> <ul style="list-style-type: none">• Diagnosticar um problema• Instalar ou reinstalar drivers• Obter informações sobre os dispositivos e o seu computador <p>NOTA: a documentação do usuário e os drivers já estão instalados no computador quando este é enviado pela Dell. Você pode usar este CD para acessar documentação, reinstalar drivers ou executar ferramentas de diagnóstico.</p>

Recursos e ferramentas de suporte *(continuação)*

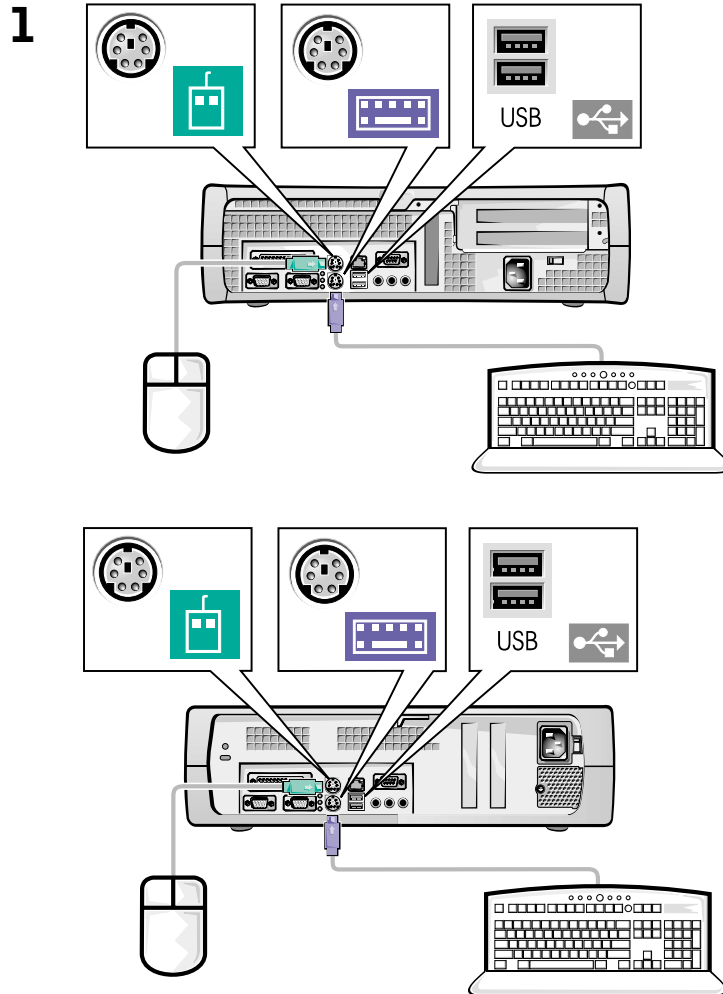
Recurso	Conteúdo	Utilização do recurso
 <p>WWW.DELL.COM Service Tag: XXXXX Express Service Code: XX-XXX-XX</p>  <p>Windows OS Professional OEM Have Here</p> <p>XXXXXXXXXX</p> <p>XXXXXXXXXX</p> <p>Product Key: XXXXX-XXXXX-XXXXX-XXXXX-XXXXX</p>	<p>Etiquetas de serviço e de registro — localizadas na frente ou na lateral do seu computador Dell.</p> <ul style="list-style-type: none"> • Código de serviço expresso e Número da etiqueta de serviço • Product Key (também chamado de Product ID ou de Certificate of Authenticity [COA]) 	<p>O Express Service Code (Código de serviço expresso) e o Service Tag Number (Número da etiqueta de serviço) são os únicos identificadores do seu computador Dell.</p> <p>Você poderá precisar do número do Product Key (Chave do produto) (ou Product ID [Identificação do produto]) para completar a configuração do sistema operacional.</p>
 <p>OPERATING SYSTEM Reinstallation CD W2K + SP1</p> <p>Use this CD to reinstall the operating system on a computer that is not working properly or after a hard drive failure.</p> <p>For assistance, visit www.Dell.com</p> <p>DELL</p>	<p>CD do sistema operacional</p>	<p>Para reinstalar o sistema operacional, use o CD do sistema operacional que foi enviado com o seu computador.</p> <p>NOTA: o CD do sistema operacional pode não incluir os últimos drivers para o seu computador. Se você reinstalar o sistema operacional, use o <i>ResourceCD</i> para reinstalar drivers para os dispositivos enviados com o seu computador.</p> <p>Para mais informações sobre a reinstalação do sistema operacional, consulte a documentação de instalação do sistema operacional enviada com o computador.</p>
	<p>Guia de instalação do sistema operacional</p>	<p>Consulte o guia de instalação do sistema para informações sobre reinstalação e configuração do sistema operacional.</p> <p>Clique no botão Start (Iniciar) e selecione Help (Ajuda) ou Help and Support (Ajuda e Suporte) de acordo com o seu sistema operacional, para obter mais informações sobre o mesmo.</p>

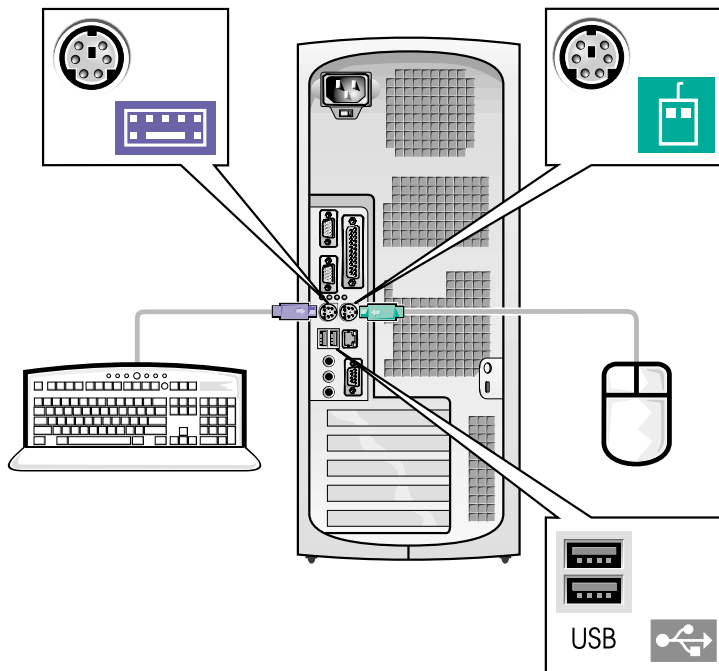
Recursos e ferramentas de suporte (*continuação*)

Recurso	Conteúdo	Utilização do recurso
 Guias do usuário	Guias do usuário para o computador e os dispositivos	Dependendo do seu sistema operacional, clique duas vezes no ícone User's Guides (Guias do usuário) na área de trabalho ou clique no botão Iniciar e, em seguida, selecione Ajuda e suporte para acessar a documentação eletrônica armazenada na sua unidade de disco. Obtenha informações sobre o seguinte: <ul style="list-style-type: none">• Utilização do computador• Configuração das definições do sistema• Remoção e instalação de peças• Instalação e configuração de software• Diagnóstico de problemas• Especificações técnicas• Documentação do dispositivo (em alguns sistemas operacionais)• Obtenção de assistência técnica
support.dell.com	Página do suporte da Dell na Internet <ul style="list-style-type: none">• Suporte técnico e informações• Downloads para o seu computador• Status do pedido ou da entrega• Dicas e pistas, artigos de tecnologia, informações de serviço	Vá para support.dell.com (em Inglês) e complete o registro apenas uma vez. <ul style="list-style-type: none">• Obtenha ajuda para dúvidas de uso geral, instalação e solução de problemas• Receba respostas sobre o serviço técnico e perguntas feitas ao suporte• Obtenha as últimas versões de drivers para o seu computador• Acesse a documentação sobre o seu computador e dispositivos• Entre em discussões on-line com outros clientes da Dell e com profissionais técnicos da Dell• Explore uma lista de links on-line para os principais fornecedores da Dell
Premier Support.Dell.com	Site do Dell Premier Support na Internet <ul style="list-style-type: none">• Status das chamadas de serviço• Principais questões técnicas separadas por produto• Perguntas mais frequentes separadas por número do produto• Etiquetas de serviço personalizadas• Detalhes da configuração do sistema	Vá para premiersupport.dell.com (em Inglês): O site Dell Premier Support é personalizado para clientes do governo, corporativos e do setor educacional. Esta página pode não estar disponível em alguns países.

Primeiros passos/Configuração

Siga as seguintes etapas para conectar dispositivos externos ao computador através do painel de E/S (Entrada/Saída). A parte de trás do seu computador Dell, incluindo o painel E/S, pode ser diferente dos exemplos mostrados aqui.

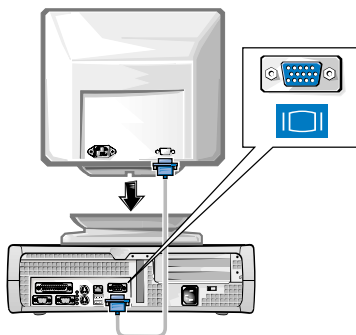




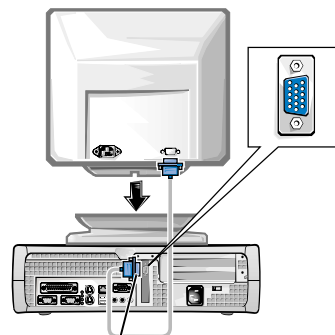
NOTA: conecte somente um teclado e um mouse.

NOTA: se você tiver um mouse ou teclado compatível com USB (Universal Serial Bus [Barramento serial universal]), use os conectores USB na parte de trás do seu computador.

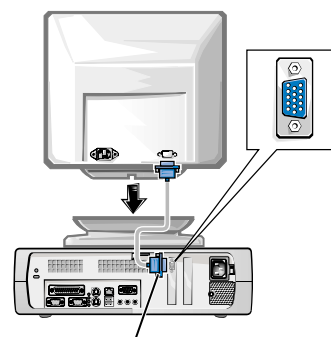
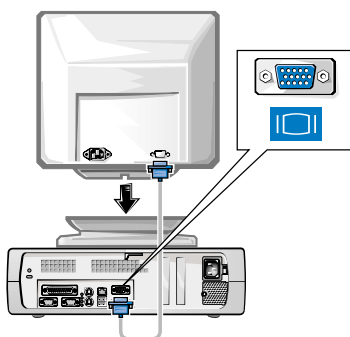
2 Sistema com um conector de vídeo



Sistema com dois conectores de vídeo



conector de vídeo
na placa de expansão

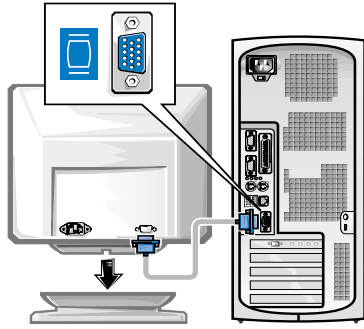


conector de vídeo
na placa de expansão

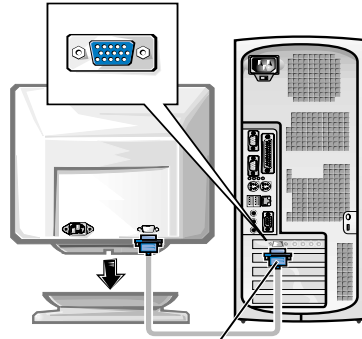


NOTA: se o seu computador tiver dois conectores de vídeo, o conector de vídeo integrado está desativado e possui uma tampa protetora sobre ele. Use o conector da placa de expansão, conforme mostrado nas ilustrações da direita na etapa 2.

Sistema com um conector de vídeo



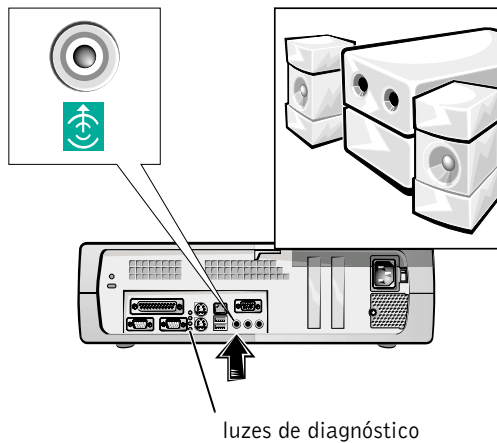
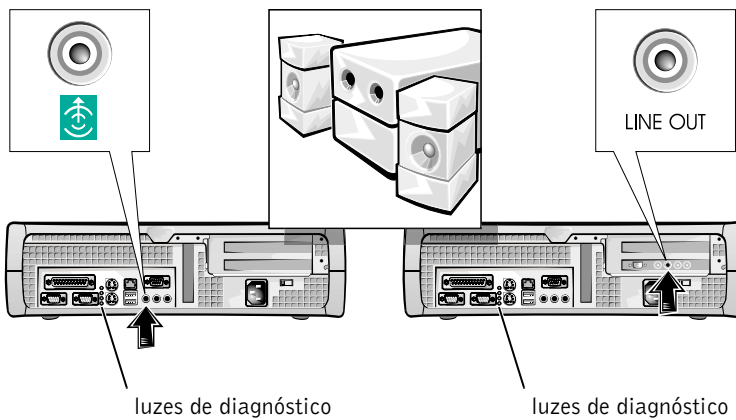
Sistema com dois conectores de vídeo

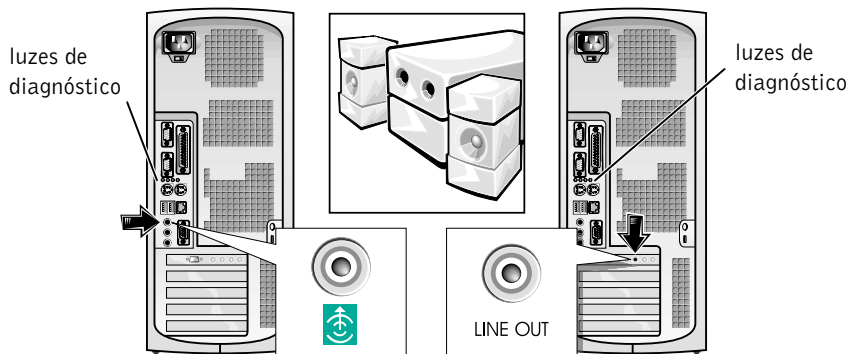


conector de vídeo
na placa de expansão

NOTA: se o seu computador tiver dois conectores de vídeo, o conector de vídeo integrado está desativado e possui uma tampa protetora sobre ele. Use o conector de placa de expansão, conforme mostrado na ilustração à direita na etapa 2.

3

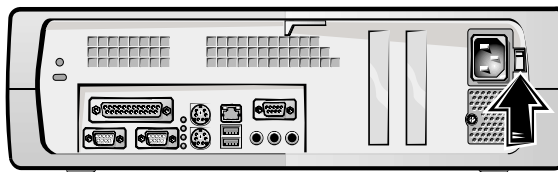
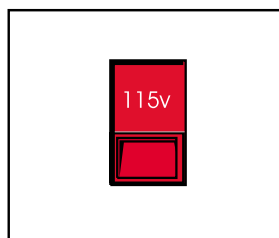
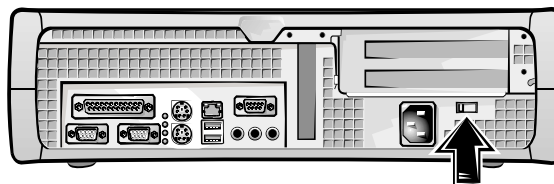
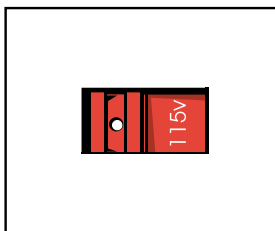




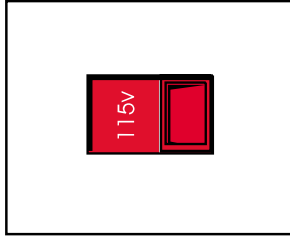
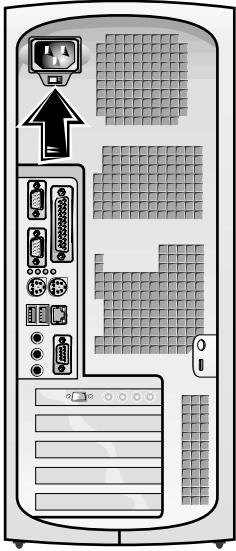
NOTA: se o seu computador tiver dois conectores de áudio, use o conector da placa de expansão, conforme mostrado nas ilustrações à direita na etapa 3.

Verifique se o interruptor do seletor de voltagem está corretamente definido para a sua região. Para mais informações, consulte “Ao utilizar o computador” mais adiante neste documento.

4

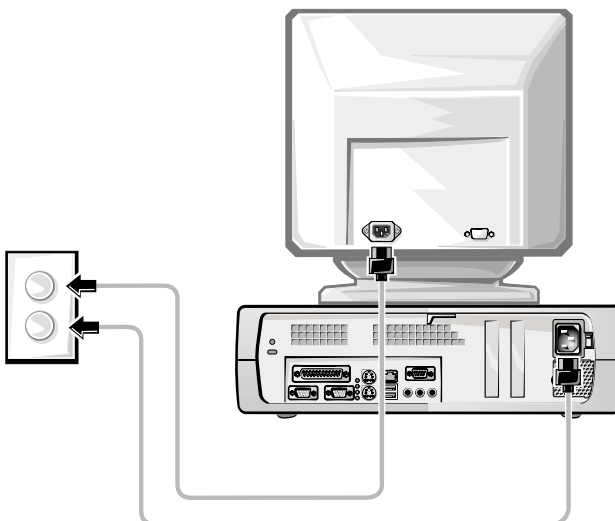
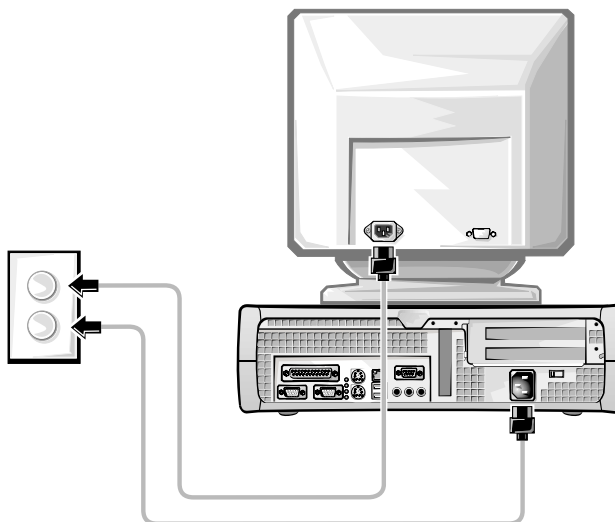


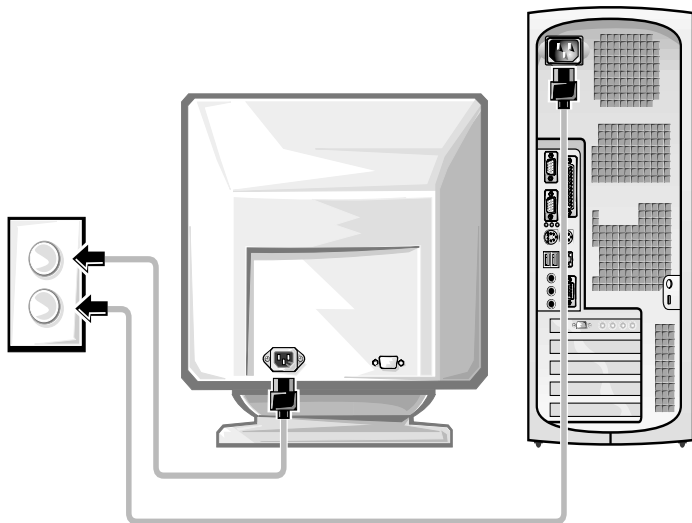
NOTA: as fontes de alimentação de seleção automática não exigem um interruptor de seleção de voltagem. Sua fonte de alimentação pode não ter este interruptor.



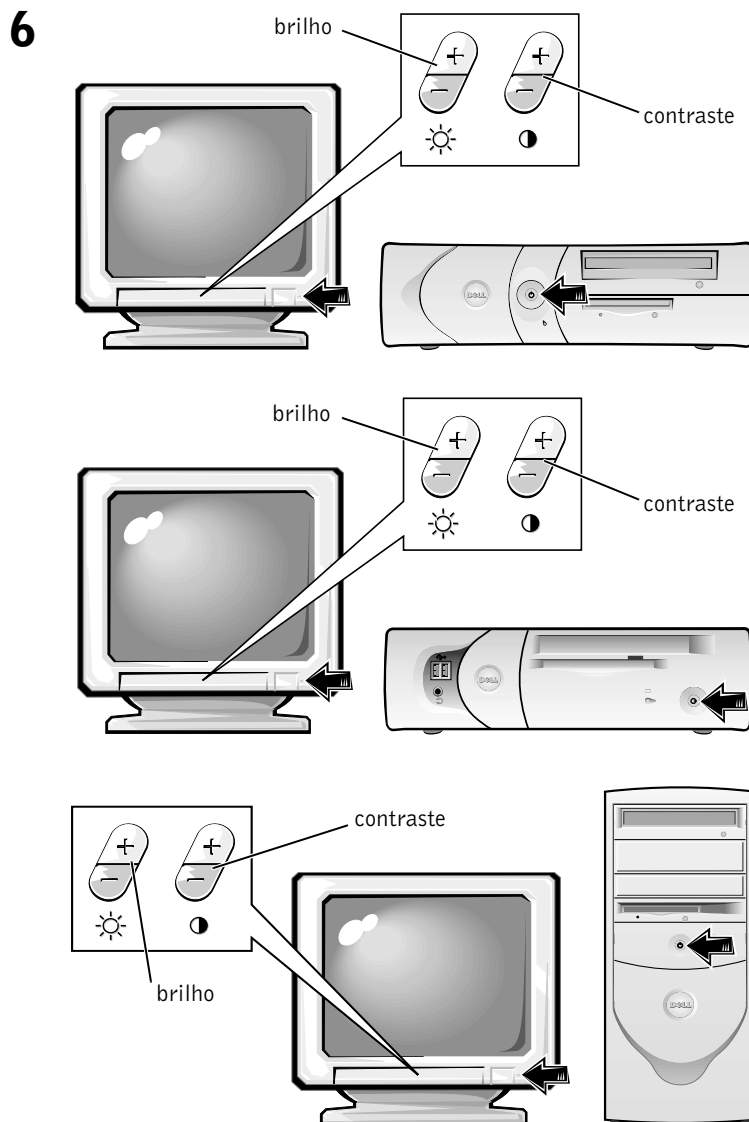
⚠ CUIDADO: para evitar choque elétrico, use apenas o cabo de força fornecido e certifique-se de que esteja conectado a uma fonte de força adequadamente aterrada.

5



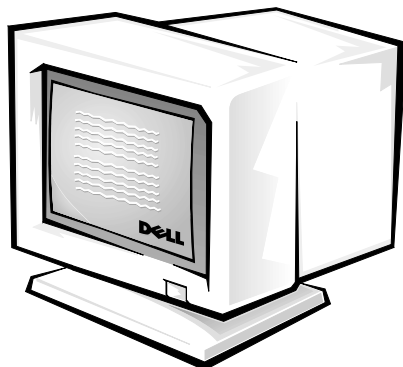


As ilustrações a seguir mostram as localizações dos botões Liga/Desliga e dos controles do monitor.



Leia o contrato de licença do software e siga as instruções de configuração do sistema operacional na tela.

7



Parabéns! Você completou a configuração do seu sistema.

Dependendo do seu sistema operacional, clique duas vezes no ícone **Guias do usuário** na área de trabalho (mostrado abaixo) ou clique no botão **Iniciar** e, em seguida, selecione **Ajuda e suporte** para acessar a documentação eletrônica armazenada na sua unidade de disco rígido.



Resolução de problemas

A Dell fornece uma série de ferramentas para ajudá-lo se o seu sistema não apresentar o desempenho esperado. Para as informações mais recentes disponíveis para o seu computador sobre solução de problemas, consulte a página de suporte da Dell na Internet no endereço **support.dell.com** (em Inglês). Também é possível encontrar descrições das ferramentas da Dell para a solução de problemas na seção “Obtenção de ajuda” do *Guia do usuário on-line*.

Se ocorrerem problemas no computador que exijam a ajuda da Dell, escreva uma descrição detalhada do erro, os códigos de bipe ou os padrões das luzes de diagnósticos; anote o Código de serviço expresso e o Número da etiqueta de serviço abaixo e, em seguida, contate a Dell do mesmo local em que estiver o seu computador.

Consulte “Como obter informações e assistência” na página 47 para obter um exemplo dos números de Código de serviço expresso e da Etiqueta de serviço.

Código de serviço expresso: _____

Número da etiqueta de serviço: _____

O seu computador possui as seguintes ferramentas que podem ajudá-lo a resolver problemas:

PROGRAMA DELL DIAGNOSTICS— O Programa Dell Diagnostics testa vários componentes em seu computador e ajuda a identificar a causa dos problemas do computador. Para mais informações, consulte "Como executar o programa Dell Diagnostics" na página 65.

LUZES DO SISTEMA— Localizadas na frente do computador, essas luzes podem ajudar na solução de um problema do computador. Para mais informações, consulte o *Guia do usuário*.


LUZES DE DIAGNÓSTICOS— Localizadas na parte de trás do computador, essas luzes podem ajudar na solução de um problema do computador. Para mais informações, consulte o *Guia do usuário*.

MENSAGENS DO SISTEMA— O computador envia essas mensagens para alertá-lo sobre uma falha atual ou possível. Para mais informações, consulte o *Guia do usuário*.

CÓDIGOS DE BIPE— Uma série de códigos de bipe audíveis emitidos pelo computador podem ajudá-lo a identificar o problema. Para mais informações, consulte o *Guia do usuário*.

Utilização do *Dell OptiPlex ResourceCD*

Para utilizar o *Dell OptiPlex ResourceCD* enquanto estiver executando o sistema operacional Microsoft® Windows®, execute as etapas a seguir.

 **NOTA:** para acessar os drivers de dispositivo e a documentação do usuário, você precisará utilizar o *ResourceCD* enquanto estiver executando o Windows.

- 1 Ligue o computador e deixe que inicialize a área de trabalho do Windows.
- 2 Insira o *Dell OptiPlex ResourceCD* na unidade de CD.

Se estiver utilizando o *Dell OptiPlex ResourceCD* pela primeira vez no seu computador, a janela **ResourceCD Installation (Instalação do ResourceCD)** se abre para informá-lo que o *ResourceCD* começará a instalação.

- 3 Clique em **OK** para continuar.
Para completar a instalação, responda às solicitações do programa de instalação.
- 4 Clique em **Next (Próximo)** na tela **Welcome Dell System Owner (Bem-vindo, proprietário do sistema Dell)**.
- 5 Escolha o **System Model (Modelo de sistema)**, o **Operating System (Sistema operacional)**, o **Device Type (Tipo de dispositivo)** e o **Topic (Tópico)** apropriados.

Drivers para o seu computador


Para exibir uma lista dos drivers de dispositivo para o seu computador, execute as etapas a seguir:

- 1 Clique em **My Drivers (Meus drivers)** no menu suspenso **Tópicos**.
O *ResourceCD* faz uma varredura no hardware do computador e no sistema operacional e depois exibe na tela uma lista dos drivers de dispositivos para a configuração do seu sistema.
- 2 Clique no driver apropriado e siga as instruções para fazer o download do driver para o seu computador.

Para visualizar todos os drivers disponíveis para o seu computador, clique em **Drivers** a partir do menu suspenso **Tópico**.

Como executar o programa Dell Diagnostics

O Dell Diagnostics é um programa que testa vários componentes em seu computador. Execute este programa sempre que houver um problema no computador para identificar a origem do problema. Você pode executar o programa Dell Diagnostics a partir da sua unidade de disco rígido ou do *ResourceCD*.

 **AVISO:** se a sua unidade de disco rígido falhar, execute o programa Dell IDE Hard Drive Diagnostics (consulte “Como executar o programa Dell IDE Hard Drive Diagnostics” na página 66).

- 1 Ligue o computador (se o computador já estiver ligado, reinicie-o).
- 2 Quando aparecer a mensagem *F2 = Setup* (*F2 = Configuração*) no canto superior direito da tela, pressione <Ctrl><Alt><F10>.


A inicialização do diagnóstico começa imediatamente e, em seguida, o **Diagnostics Menu (Menu de diagnósticos)** aparece.

- 3 Selecione a opção de diagnóstico adequada para o seu computador.
Para usar o diagnóstico, siga as instruções da tela.

Alteração da seqüência de inicialização

Para executar o Programa Dell Diagnostics a partir do *ResourceCD*, execute as etapas a seguir para permitir que o seu computador inicie a partir do CD:

- 1 Insira o *Dell OptiPlex ResourceCD* na unidade de CD.
- 2 Ligue (ou reinicie) o computador.
- 3 Quando aparecer a mensagem *F2 = Setup* (*F2 = Configuração*) no canto superior direito da tela, pressione <Ctrl><Alt><F8>.

 **NOTA:** esse recurso altera a seqüência de inicialização apenas uma vez. Na próxima inicialização, o computador iniciará de acordo com os dispositivos especificados na configuração do sistema.

O **Boot Device Menu (Menu do dispositivo de inicialização)** aparece.

Se você esperar muito e o logotipo do Windows aparecer, espere até que apareça a área de trabalho do Windows. Em seguida, desligue o computador e tente novamente.

- 4 Selecione a opção **CD-ROM Device (Dispositivo de CD-ROM)**.

Como executar o programa Dell IDE Hard Drive Diagnostics

O programa Dell IDE Hard Drive Diagnostics é um utilitário que testa o disco rígido para solucionar ou confirmar uma falha no mesmo.

- 1 Ligue o computador (se o computador já estiver ligado, reinicie-o).
- 2 Quando aparecer a mensagem F2 = Setup (F2 = Configuração) no canto superior direito da tela, pressione <Ctrl><Alt><D>.
- 3 Siga as instruções da tela.


Se uma falha for informada, consulte “Problemas na unidade de disco rígido” no *Guia do usuário*.


Instruções de segurança

Use as diretrizes de segurança a seguir para proteger o computador contra possíveis danos e para garantir sua segurança pessoal.

Ao trabalhar na parte interna do computador

Antes de remover a tampa do computador, siga as etapas abaixo na seqüência indicada.

 **AVISO:** não tente fazer a manutenção do computador sozinho, exceto conforme explicado na documentação on-line da Dell ou de outra forma fornecido a você. Sempre siga rigorosamente as instruções de instalação e serviço.

 **CUIDADO:** há o perigo de uma nova bateria explodir se for instalada incorretamente. Substitua a bateria somente por outra do mesmo tipo ou de tipo equivalente recomendado pelo fabricante. Descarte as baterias usadas de acordo com as instruções do fabricante.

- 1 Desligue o computador e quaisquer periféricos.
- 2 Faça o aterramento tocando uma superfície de metal não pintada no chassi, como o metal ao redor das aberturas do slot da placa na parte de trás do computador, antes de tocar qualquer componente interno do computador.

Enquanto trabalha, toque periodicamente uma superfície de metal não pintada no chassi do computador para dissipar qualquer eletricidade estática que possa prejudicar os componentes internos.

- 3 Desconecte o computador e os periféricos de suas fontes de energia. Além disso, desconecte todas as linhas telefônicas ou de telecomunicações do computador.


Isso reduz o potencial de lesões pessoais ou choque.

Além disso, anote estas regras de segurança quando apropriado:

- Para evitar curto-circuito no seu computador ao desconectar um cabo de rede, desconecte primeiro o cabo do NIC (Network Interface Controller [Controlador de interface de rede]) na parte de trás do seu computador e, depois, da tomada da parede. Ao reconectar um cabo de rede ao computador, conecte-o primeiro na tomada de rede e depois no NIC.
- Ao desconectar um cabo, puxe-o pelo seu conector ou pelo loop de alívio de tensão e não pelo cabo em si. Alguns cabos possuem um conector com presilhas de travamento; se estiver desconectando esse tipo de cabo, pressione as presilhas de travamento antes de desconectar o cabo. À medida que você separa os conectores, mantenha-os alinhados para evitar que algum pino do conector fique dobrado. Além disso, antes de conectar um cabo assegure-se de que ambos conectores estejam corretamente alinhados.
- Manuseie os componentes e as placas com cuidado. Não toque os componentes ou os contatos em uma placa. Segure uma placa pelas bordas ou pelo suporte de montagem de metal. Segure um componente, como um chip de microprocessador, pelas bordas, não pelos pinos.

Ao utilizar o computador

Ao utilizar o seu computador, observe as seguintes diretrizes de segurança.

 **CUIDADO: não opere o seu computador se qualquer tampa (incluindo as tampas do computador, painel, suportes de preenchimento e inserções do painel frontal) tiver sido removida.**

- Para evitar danos ao computador, verifique se o interruptor do seletor de voltagem (se existir) na fonte de alimentação está definido para corresponder à fonte de CA (Corrente Alternada) disponível na sua localidade:
 - 115 Volts (V)/60 Hertz (Hz) na maioria dos países da América do Norte e do Sul e em alguns do Extremo Oriente, como Coréia do Sul e Taiwan

- 100 V/50 Hz no Japão oriental e 100 V/60 Hz no Japão ocidental



NOTA: O interruptor do seletor de voltagem precisa estar na posição de 115 V mesmo que a fonte de CA disponível no Japão seja de 100 V.

- 230 V/50 Hz na maioria dos países europeus, Oriente Médio e Extremo Oriente

Certifique-se também de que o monitor e os periféricos conectados sejam eletricamente classificados para operarem com a fonte de CA disponível em sua localidade.



NOTA: as fontes de alimentação de seleção automática não exigem um interruptor de seleção de voltagem. Sua fonte de alimentação pode não ter este interruptor.




- Para evitar choque elétrico, conecte os cabos de força do computador e dos periféricos a fontes de força adequadamente aterradas. Estes cabos são equipados com plugues de três pinos para ajudar a assegurar o aterramento apropriado. Não use plugues adaptadores nem remova o pino de aterramento de um cabo. Se for necessário usar um cabo de extensão, use um cabo de três fios com conectores adequadamente aterrados.




- Antes de trabalhar dentro do computador, desconecte o computador para evitar choques elétricos ou danos à placa de sistema. Certos componentes da placa de sistema continuam a receber energia no momento em que o computador é conectado à fonte de corrente alternada.

- Para evitar possíveis danos à placa de sistema, espere 15 segundos depois de desligar o computador da tomada para desconectar um dispositivo do mesmo.
- ➔ **AVISO:** observe quando o LED (Light-Emitting Diode [Diodo emissor de luz]) indicador de força auxiliar da placa de sistema desligar para verificar se a energia do computador está desligada (consulte o *Guia do usuário* para a localização deste LED).
- Para proteger o computador contra oscilações de energia elétrica repentinas e transitórias, use um supressor de surtos de tensão, um estabilizador de linha ou uma UPS (Uninterruptible Power Supply [Fonte de alimentação ininterrupta]).
- Verifique-se se não há objetos sobre os cabos do computador e se que esses não estão em locais onde se possa pisar ou tropeçar neles.
- Não respingue líquidos ou alimentos no seu computador. Se o computador for molhado, consulte o *Guia do usuário*.
- Não insira nenhum objeto nas aberturas do computador. Isso pode causar incêndio ou choque elétrico por curto-circuito nos componentes internos.
- Mantenha o computador longe de aquecedores e fontes de calor. Além disso, não bloqueie as aberturas de ventilação. Evite colocar papéis soltos embaixo do computador; não o coloque próximo a uma parede ou em uma cama, sofá ou tapete.

Hábitos ergonômicos de computação

 **CUIDADO: o uso impróprio e prolongado do teclado pode causar lesões.**

 **CUIDADO: visualizar a tela do monitor por um período de tempo prolongado pode resultar em fadiga visual.**

Para conforto e eficiência, observe as seguintes regras de ergonomia no *Guia do usuário* ao configurar e utilizar o computador.

Informações sobre regulamentação

EMI (Electromagnetic Interference [Interferência eletromagnética]) é qualquer sinal ou emissão, irradiada no espaço livre ou conduzida por fiação de energia ou de sinal, que põe em perigo o funcionamento de um serviço de rádio navegação ou outro serviço de segurança ou que degrada seriamente, obstrui ou interrompe repetidamente um serviço licenciado de comunicação por rádio.

O computador da Dell é projetado para estar de acordo com as regulamentações aplicáveis sobre EMI. Note que as regulamentações da FCC definem quais alterações ou modificações não aprovadas expressamente pela Dell podem anular a autoridade do usuário para operar o equipamento.



NOTA: informações adicionais de regulamentação sobre o seu sistema podem ser encontradas no *Guia do usuário*.

Sistemas Dell™ OptiPlex™

Guía de instalación y de referencia rápida



Notas, avisos y precauciones



NOTA: Una NOTA indica información importante que le ayuda a conseguir un mejor rendimiento de su equipo.



AVISO: Un AVISO indica la posibilidad de daños al hardware o pérdida de datos y le explica cómo evitar el problema.



PRECAUCIÓN: Una PRECAUCIÓN indica la posibilidad de daños a la propiedad, lesiones personales o muerte.

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Noviembre de 2001 P/N 38WYD Rev. A05

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Acerca de esta guía

Este documento contiene información acerca de la introducción y configuración, solución de problemas, seguridad y reglamentos del equipo Dell™ OptiPlex™.

Para obtener las versiones más recientes de los documentos contenidos en la unidad de disco duro, visite el sitio web de asistencia de Dell en support.dell.com.

Los números de modelos reglamentarios aparecen a lo largo de este documento; a continuación se muestran los equivalentes del tipo de chasis:

Números de modelos reglamentarios y tipos de chasis


DHS = chasis de escritorio pequeño (SD)

DHP = chasis de factor de forma pequeño (SF)



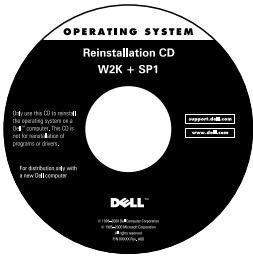

DHM = chasis de minigabinete vertical pequeño (SMT)

Búsqueda de información y asistencia


Recursos y herramientas de asistencia

Recurso	Contenido	Utilización del recurso
	<p><i>Dell OptiPlex ResourceCD (CD de recursos de Dell OptiPlex)</i></p> <ul style="list-style-type: none">• Diagnósticos Dell• Controladores• Utilidades• Documentación del equipo y de los dispositivos	<p>Consulte el menú principal del <i>ResourceCD</i> que se entregó con su equipo. Use el menú desplegable para realizar las selecciones apropiadas para su equipo. Puede realizar las tareas siguientes:</p> <ul style="list-style-type: none">• Diagnóstico de un problema• Instalar o reinstalar controladores• Obtener información sobre su equipo y sus dispositivos <p>NOTA: La documentación del usuario y los controladores ya vienen instalados en el equipo cuando Dell lo envía. Puede utilizar este CD para acceder a la documentación, instalar controladores o ejecutar las herramientas de diagnóstico.</p>

Recursos y herramientas de asistencia (*continuación*)

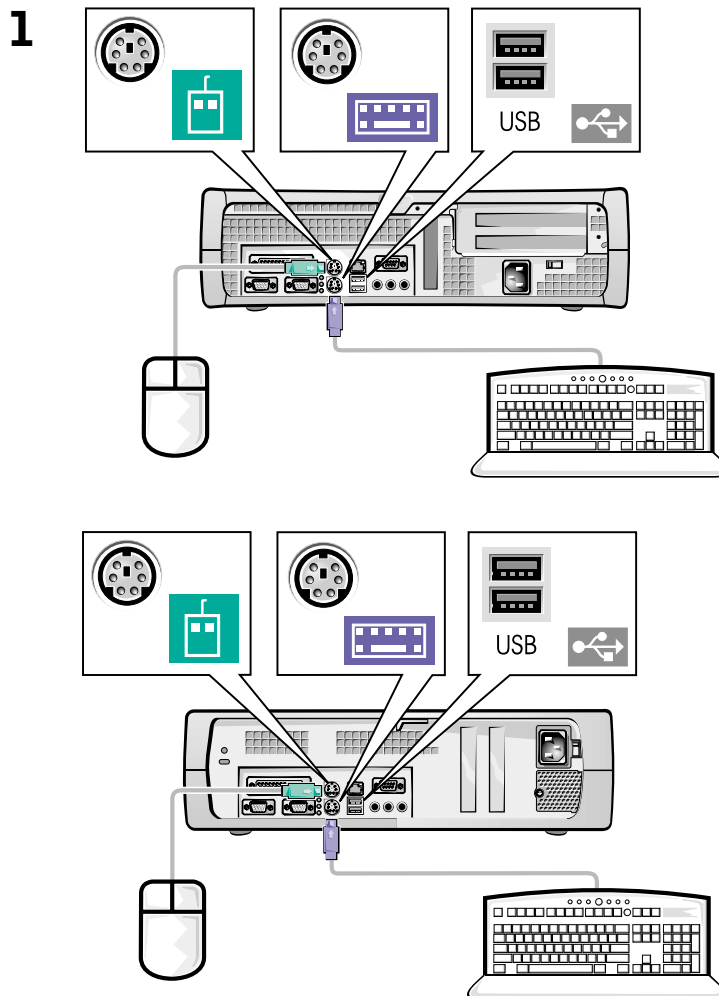
Recurso	Contenido	Utilización del recurso
 <p>WWW.DELL.COM Service Tag: XXXXX Express Service Code: XX-XXX-XX</p>  <p>Windows OS Professional OEM Have Here</p> <p>XXXXXXXXXX</p> <p>XXXXXXXXXX</p> <p>Product Key: XXXXX-XXXXX-XXXXX-XXXXX-XXXXX</p>	<p>Etiquetas de servicio y registro; situadas en la parte anterior o lateral de su equipo Dell.</p> <ul style="list-style-type: none"> • Código de servicio rápido y número de etiqueta de servicio • Clave del producto (llamada también identificación del producto o COA (Certificate of Authenticity [Certificado de autenticidad])) 	<p>El Código de servicio rápido y el Número de etiqueta de servicio son identificadores únicos de su equipo Dell.</p> <p>Es posible que necesite el número de código del producto (o identificación del producto) para completar la instalación del sistema operativo.</p>
 <p>OPERATING SYSTEM Reinstallation CD W2K + SP1</p> <p>Use this CD to reinstall the operating system on a computer that has the Windows 2000 program or device.</p> <p>For assistance, visit the Dell website.</p> <p>DELL</p>	<p>Operating System CD (CD del sistema operativo)</p>	<p>Para volver a instalar el sistema operativo, use el CD del sistema operativo que se entrega con su equipo.</p> <p>NOTA: Es posible que el CD de sistema operativo no incluya todos los controladores más recientes para el equipo. Si reinstala el sistema operativo, utilice el <i>ResourceCD</i> para reinstalar los controladores para los dispositivos incluidos con el equipo.</p> <p>Para obtener más información sobre cómo reinstalar el sistema operativo, consulte la documentación de instalación del sistema operativo incluida con el equipo.</p>
	<p>Guía de instalación del sistema operativo</p>	<p>Para obtener información sobre cómo reinstalar y configurar el sistema operativo, consulte la guía de instalación del sistema operativo.</p> <p>Haga clic en el botón Start (Inicio) y seleccione Help (Ayuda) o Help and Support (Ayuda y asistencia), dependiendo del sistema operativo, para obtener más información sobre el sistema operativo.</p>

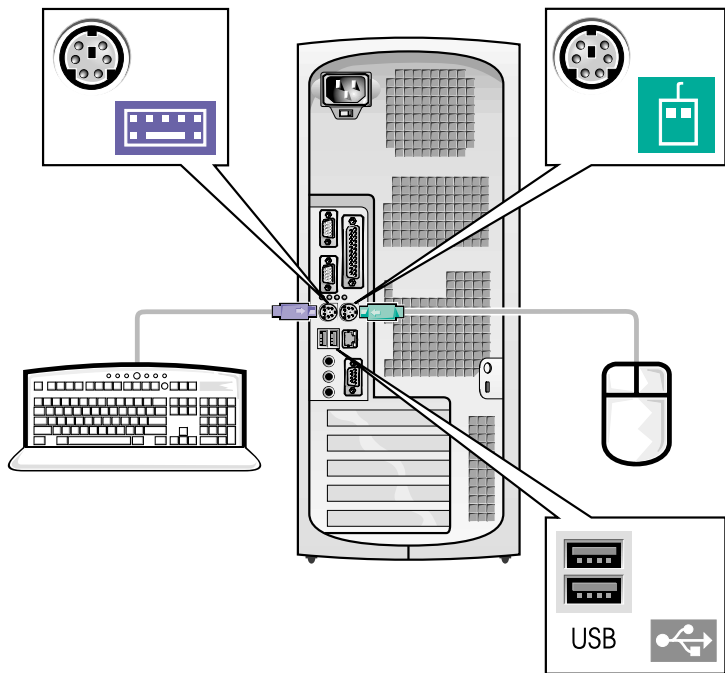
Recursos y herramientas de asistencia (*continuación*)


Recurso	Contenido	Utilización del recurso
 <p data-bbox="193 456 375 491">Guías del usuario</p>	<p data-bbox="448 282 754 335">Guías de usuario del equipo y los dispositivos</p>	<p data-bbox="776 282 1343 421">Dependiendo de su sistema operativo, haga doble clic en el icono User's Guides (Guías del usuario) en el escritorio o haga clic en el botón Inicio y seleccione Ayuda y asistencia para acceder a la documentación electrónica almacenada en la unidad de disco duro.</p> <p data-bbox="776 439 1183 465">Obtenga información sobre lo siguiente:</p> <ul data-bbox="776 473 1285 725" style="list-style-type: none"> • Uso del equipo • Configuración de los valores del sistema • Desmontaje e instalación de piezas • Instalación y configuración de software • Diagnóstico de un problema • Especificaciones técnicas • Documentación del dispositivo (en los sistemas operativos seleccionados) • Obtención de asistencia técnica
<p data-bbox="157 751 426 777">support.dell.com</p>	<p data-bbox="448 743 754 769">Sitio web de asistencia de Dell</p> <ul data-bbox="455 777 754 977" style="list-style-type: none"> • Asistencia técnica e información • Descargas para su equipo • Estado del pedido o entrega • Sugerencias, documentos sobre tecnología e información de servicio 	<p data-bbox="776 743 1343 795">Diríjase a support.dell.com y complete el registro que se ofrece por vez única.</p> <ul data-bbox="776 803 1343 1142" style="list-style-type: none"> • Obtenga ayuda mediante preguntas sobre uso, instalación y solución de problemas • Obtenga respuesta a preguntas sobre asistencia o servicio técnico • Obtenga las últimas versiones de los controladores para el equipo • Acceda a la documentación sobre su equipo y dispositivos • Participe en discusiones en línea con otros clientes de Dell y con profesionales técnicos de Dell • Explore una lista de vínculos en línea a los principales proveedores de Dell
<p data-bbox="149 1168 433 1194">Premier Support.Dell.com</p>	<p data-bbox="448 1159 754 1220">Sitio web de Asistencia Dell Premier Support</p> <ul data-bbox="455 1229 754 1505" style="list-style-type: none"> • Estado de llamadas de servicio • Problemas técnicos principales, por producto • Preguntas frecuentes según número de producto • Etiquetas de servicio personalizadas • detalles de la configuración del sistema 	<p data-bbox="776 1159 1140 1185">Diríjase a premiersupport.dell.com:</p> <p data-bbox="776 1194 1343 1281">El sitio web de Asistencia Dell Premier Support está personalizado para clientes corporativos, gubernamentales y del ámbito educativo.</p> <p data-bbox="776 1289 1329 1341">Es posible que este sitio no esté disponible en todas las regiones.</p>


Para comenzar/Configuración

Siga los siguientes pasos para conectar dispositivos externos al equipo por medio del panel de E/S (entrada/salida). La parte posterior de su sistema Dell, incluyendo el panel de E/S, puede ser distinta a los ejemplos que se muestran aquí.

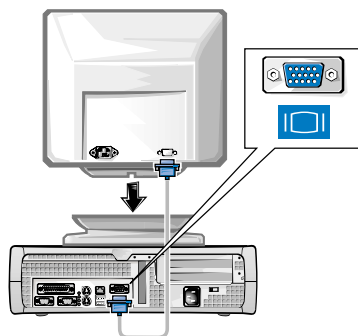




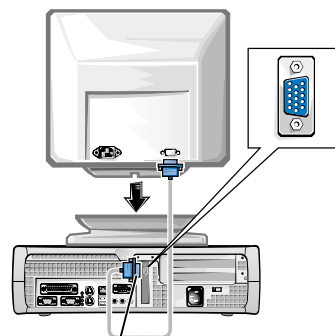
 **NOTA:** Conecte sólo un teclado y un mouse.

 **NOTA:** Si tiene un mouse o un teclado compatible con un USB (Universal Serial Bus [Bus serie universal]), utilice los conectores USB de la parte posterior del sistema.

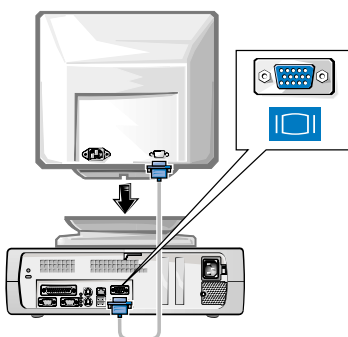
2 Sistema con un conector de vídeo



Sistema con dos conectores de vídeo



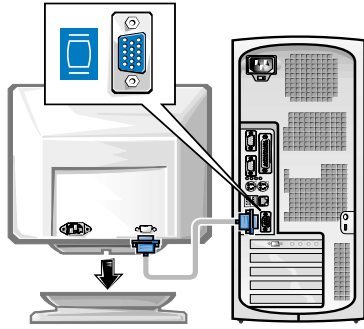
conector de vídeo en la tarjeta de expansión



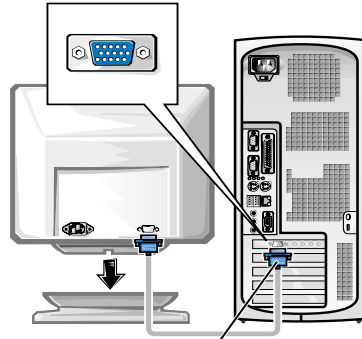
conector de vídeo en la tarjeta de expansión

NOTA: Si su equipo cuenta con dos conectores de vídeo, el conector de vídeo integrado está desactivado y tiene una tapa protectora. Utilice el conector de la tarjeta de expansión, como se muestra en las ilustraciones de la derecha en el paso 2.

Sistema con un conector de vídeo



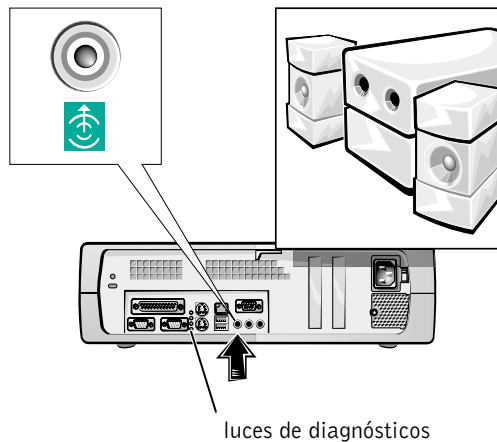
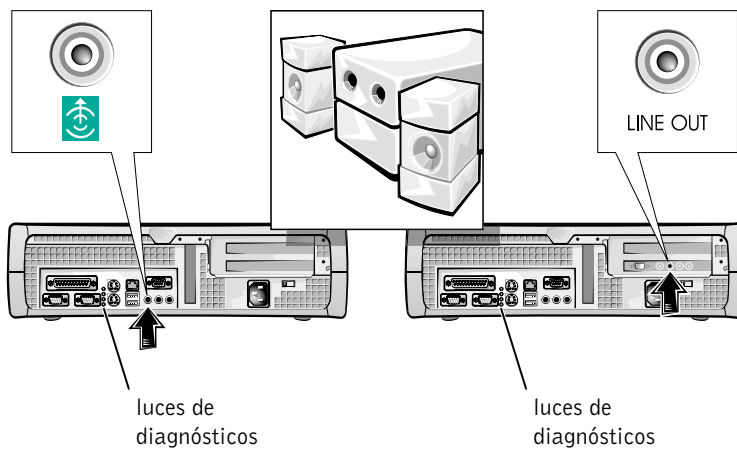
Sistema con dos conectores de vídeo

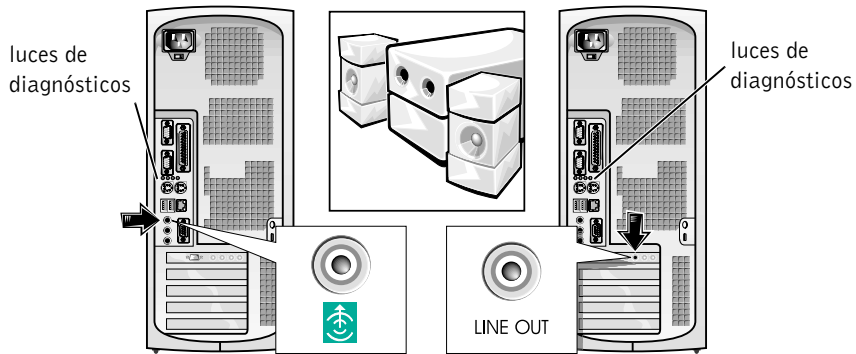


conector de vídeo en la tarjeta de expansión

NOTA: Si su equipo cuenta con dos conectores de vídeo, el conector de vídeo integrado está desactivado y tiene una tapa protectora. Utilice el conector de la tarjeta de expansión, como se muestra en las ilustraciones de la derecha en el paso 2.

3

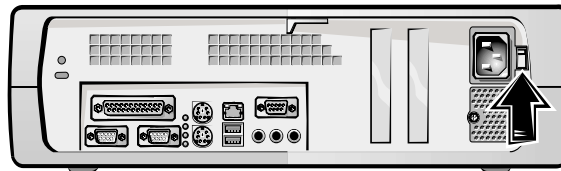
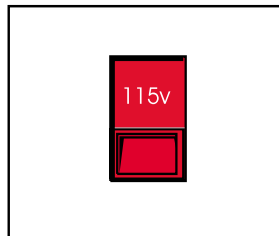
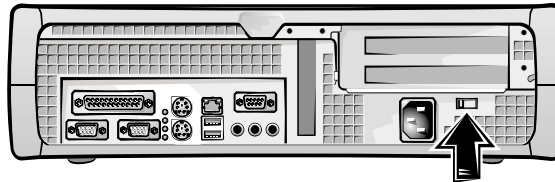
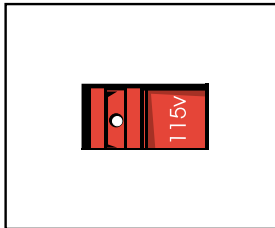




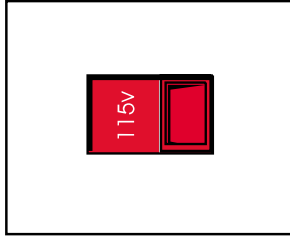
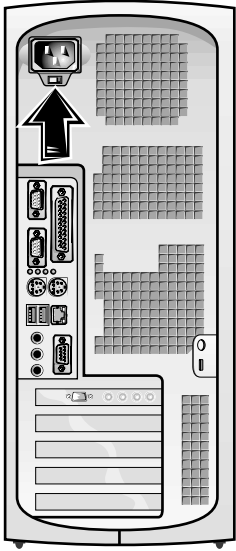
NOTA: Si su sistema dispone de dos conectores de audio, utilice el que se encuentra en la tarjeta de expansión, como se muestra en las ilustraciones de la derecha en el paso 3.

Compruebe que el interruptor de selección de voltaje esté en la posición correcta para su área. Para obtener más información, consulte la sección “Cuando utilice el sistema” más adelante en este documento.

4

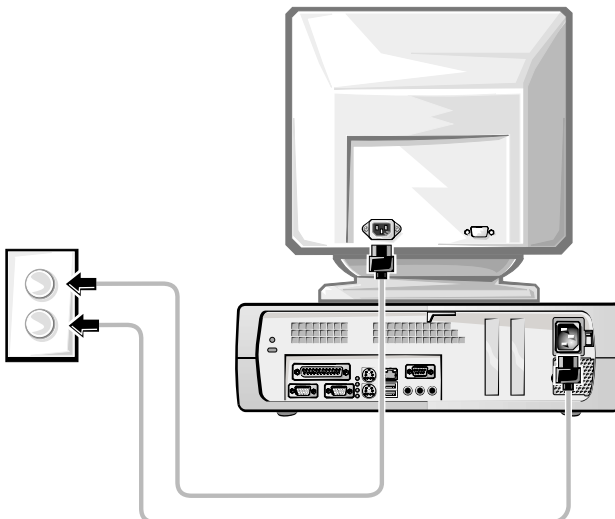
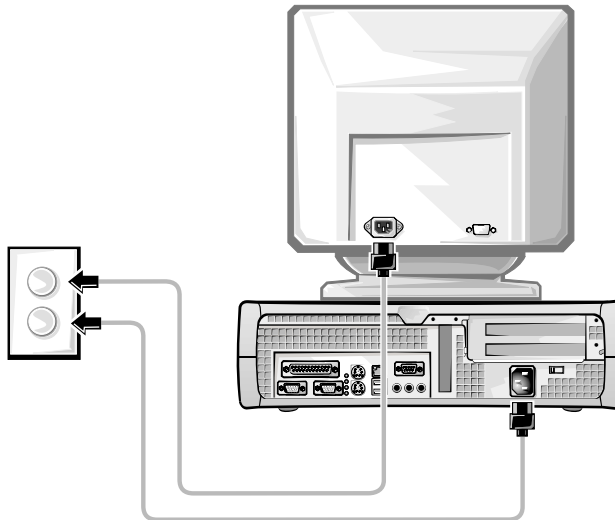


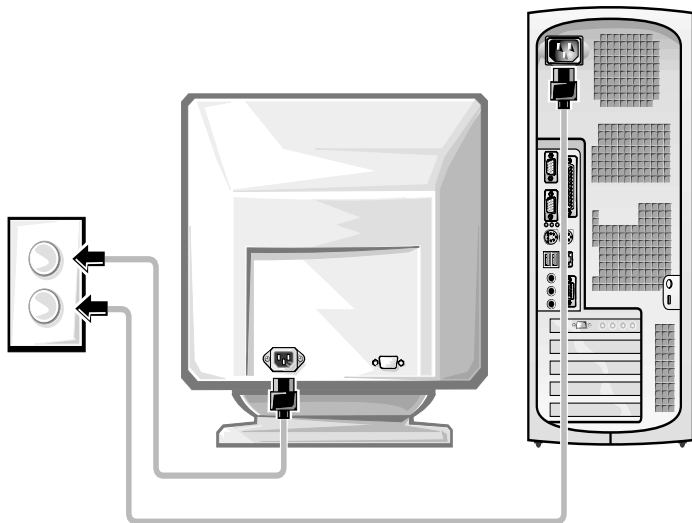
NOTA: Los suministros de energía autoseleccionables no necesitan un interruptor de selección de voltaje. Es posible que el suministro de energía no disponga de este interruptor.



! **PRECAUCIÓN:** Para evitar una descarga eléctrica, utilice sólo el cable de alimentación que se suministra y asegúrese de que esté conectado a una fuente de energía con conexión a tierra.

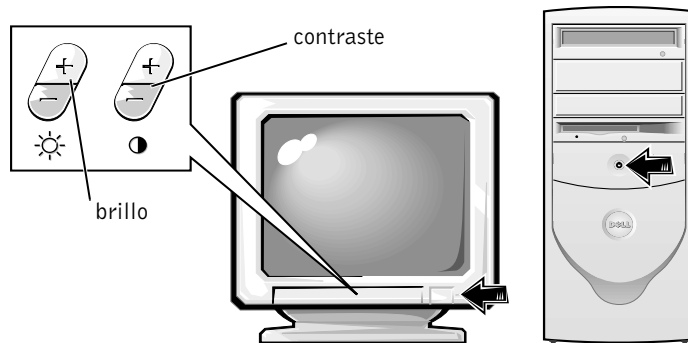
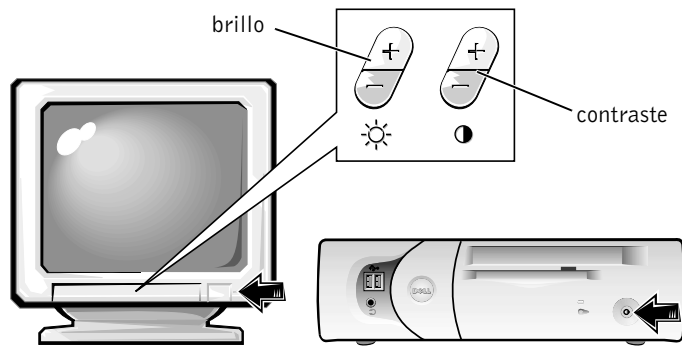
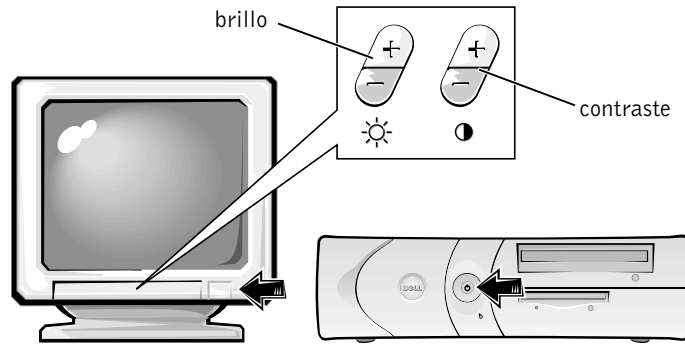
5





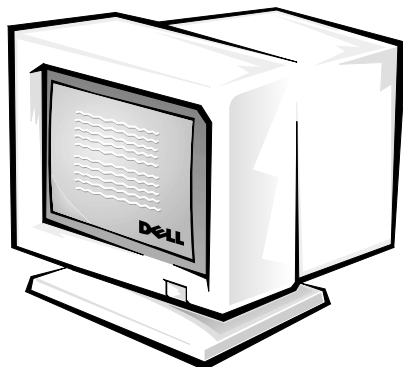
Las ilustraciones siguientes muestran las ubicaciones del botón de encendido y los controles del monitor.

6



Lea el acuerdo de licencia del software y siga las instrucciones de instalación del sistema operativo en la pantalla.

7



¡Enhorabuena! Ha completado la configuración del sistema.

Dependiendo de su sistema operativo, haga doble clic en el icono **Guías del usuario** en el escritorio (que se muestra más abajo), o haga clic en el botón **Inicio** y seleccione **Ayuda y asistencia** para acceder a la documentación electrónica almacenada en la unidad de disco duro.



Solución de problemas

Dell proporciona una serie de herramientas para ayudarlo si su sistema no funciona como se esperaba. Para obtener la información más actualizada sobre la solución de problemas disponible para su sistema, consulte la página web de asistencia de Dell en support.dell.com. También puede encontrar descripciones de las herramientas de solución de problemas de Dell en la sección titulada “Obtención de ayuda” en la *Guía del usuario en línea*.

Si el equipo tiene problemas que requieren la ayuda de Dell, escriba una descripción detallada del error, códigos de sonido o patrones de luz de diagnósticos; escriba su código de servicio rápido y número de etiqueta de servicio a continuación y póngase en contacto con Dell en el mismo lugar en que adquirió su equipo.

Consulte “Búsqueda de información y asistencia” en la página 75 para ver un ejemplo del código de servicio rápido y números de etiqueta de servicio.

Código de servicio rápido: _____

Número de etiqueta de servicio: _____

Su equipo incluye las herramientas siguientes que le pueden ayudar a solucionar un problema:

DIAGNÓSTICOS DELL— Los Diagnósticos Dell prueban varios componentes en el equipo y le ayudan a identificar las causas de los problemas del mismo. Para obtener más información, consulte "Ejecución de los Diagnósticos Dell" en la página 93.

LUCES DEL SISTEMA— Localizado en la parte anterior del equipo, estas luces pueden ayudarle a resolver un problema del equipo. Para obtener más información, consulte la *Guía del usuario*.

LUCES DE DIAGNÓSTICO— Localizado en la parte posterior del equipo, estas luces pueden ayudarle a resolver un problema del equipo. Para obtener más información, consulte la *Guía del usuario*.

MENSAJES DEL SISTEMA— El equipo reporta estos mensajes para advertirle de fallas actuales o potenciales. Para obtener más información, consulte la *Guía del usuario*.

CÓDIGOS DE SONIDO— Una serie de códigos de sonido emitidos por el equipo que pueden ayudarle a identificar un problema. Para obtener más información, consulte la *Guía del usuario*.

Utilización del CD *Dell OptiPlex ResourceCD*

Para usar el *Dell OptiPlex ResourceCD* desde el sistema operativo de Microsoft® Windows®, realice los pasos siguientes.



NOTA: Para acceder a los controladores de dispositivos y a la documentación del usuario, usted debe usar el *ResourceCD* desde Windows.

- 1 Encienda el equipo y permita que se inicie el escritorio de Windows.
- 2 Introduzca el *Dell OptiPlex ResourceCD* en la unidad de CD.

Si va a utilizar el *Dell OptiPlex ResourceCD* por primera vez en este equipo, se abre la ventana **ResourceCD Installation (Instalación del ResourceCD)** para informarle que el *ResourceCD* está a punto de iniciar la instalación.

- 3 Haga clic sobre **OK (Aceptar)** para continuar.

Para completar la instalación, responda a las peticiones ofrecidas por el programa de instalación.

- 4 Haga clic en **Next (Siguiente)** en la pantalla **Welcome Dell System Owner (Bienvenida al propietario del sistema Dell)**.
- 5 Seleccione el **System Model (Modelo del sistema)**, **Operating System (Sistema operativo)**, **Device Type (Tipo de dispositivo)** y **Topic (Tema)** correspondientes.

Controladores para su equipo

Para visualizar una lista de los controladores de dispositivos del equipo, realice los siguientes pasos:

- 1 Haga clic en **My Drivers (Mis controladores)** en el menú desplegable **Tema**.


ResourceCD examina el sistema operativo y el hardware del equipo y después aparece en la pantalla una lista de los controladores de dispositivos de la configuración del sistema.

- 2 Haga clic en el controlador adecuado y siga las instrucciones para descargar el controlador en su equipo.

Para ver todos los controladores disponibles para su equipo, haga clic en **Drivers (Controladores)** en el menú desplegable **Tema**.

Ejecución de los Diagnósticos Dell

Los Diagnósticos Dell son un programa que prueba varios componentes en su equipo. Ejecute este programa cada vez que tenga un problema con el equipo para ayudar a identificar la fuente del problema. Puede ejecutar los Diagnósticos Dell desde la unidad de disco duro o desde el *ResourceCD*.

 **AVISO:** Si la unidad de disco duro falla, ejecute los Diagnósticos de la unidad de disco duro IDE de Dell (consulte la sección "Ejecución de los Diagnósticos de la unidad de disco duro IDE de Dell" en la página 94).

- 1 Encienda el equipo (si el equipo ya está encendido, reinícielo).
- 2 Cuando aparezca F2 = Setup (F2 = Configuración) en la esquina superior derecha de la pantalla, oprima <Ctrl><Alt><F10>.


La inicialización de los diagnósticos empieza inmediatamente; luego aparece el **Diagnostics Menu (Menú de diagnósticos)**.

- 3 Seleccione la opción de diagnósticos más apropiada para su equipo.
Para utilizar los diagnósticos, siga las instrucciones que aparecen en la pantalla.

Cambio en la secuencia de inicio

Para ejecutar los Diagnósticos Dell desde el *ResourceCD*, realice los siguientes pasos para lograr que el equipo se inicie desde el CD:

- 1 Introduzca el *Dell OptiPlex ResourceCD* en la unidad de CD.
- 2 Encienda (o reinicie) el equipo.
- 3 Cuando aparezca F2 = Setup (F2 = Configuración) en la esquina superior derecha de la pantalla, oprima <Ctrl><Alt><F8>.

 **NOTA:** Esta característica cambia la secuencia de inicio solamente una vez. La próxima vez, el equipo se iniciará de acuerdo con los dispositivos especificados en la configuración del sistema.

Aparece el **Boot Device Menu (Menú del dispositivo de inicio)**.

Si espera demasiado y aparece el logotipo de Windows, siga esperando hasta que vea el escritorio de Windows. En ese momento, apague el equipo y vuélvalo a intentar.

- 4 Seleccione la opción **CD-ROM Device (Dispositivo de CD-ROM)**.

Ejecución de los Diagnósticos de la unidad de disco duro IDE de Dell

Los Diagnósticos de la unidad de disco duro IDE de Dell son una utilidad que prueba la unidad de disco duro para solucionar o confirmar un fallo de la unidad de disco duro.

- 1 Encienda el equipo (si el equipo ya está encendido, reinícielo).
- 2 Cuando aparezca F2 = Configuración en la esquina superior derecha de la pantalla, oprima <Ctrl><Alt><D>.
- 3 Siga las instrucciones que aparecen en la pantalla.


Si se reporta un error, consulte “Problemas de la unidad de disco duro” en la *Guía del usuario*.


Instrucciones de seguridad

Utilice las siguientes directrices de seguridad para ayudar a proteger su equipo de posibles daños y garantizar su propia seguridad personal.

Al trabajar en el interior de su equipo

Antes de desmontar la cubierta de la PC, realice los pasos siguientes en la secuencia indicada.

 **AVISO:** No intente proporcionar servicio al equipo, a excepción de lo que se explica en su documentación Dell en línea. Siga siempre las instrucciones de instalación y servicio al pie de la letra.

 **PRECAUCIÓN:** Existe el peligro de que una nueva batería explote si no se instala correctamente. Reemplace la batería únicamente con otra del mismo tipo o su equivalente recomendado por el fabricante. Deseche las baterías agotadas de acuerdo con las instrucciones del fabricante.

- 1 Apague su equipo y todos los periféricos.
- 2 Conéctese a tierra tocando una superficie metálica sin pintura en el chasis, tal como el metal alrededor de aberturas de las ranuras para tarjetas en la parte posterior del equipo, antes de tocar cualquier objeto al interior de su PC.

Conforme trabaje, toque periódicamente una superficie metálica sin pintura en el chasis del equipo para disipar la electricidad estática que podría dañar los componentes internos.

- 3 Desconecte su equipo y los periféricos de sus fuentes de energía. Asimismo, desconecte las líneas telefónicas o de telecomunicaciones conectadas al equipo.


Al hacerlo reduce la posibilidad de sufrir lesiones personales o descargas eléctricas.

Además de lo anterior, tome nota de las siguientes pautas de seguridad cuando sea pertinente:

- Para evitar que se produzca un cortocircuito en el equipo, desenchufe primero el cable del NIC (network interface controller [controlador de interfaces de red]) en la parte posterior del equipo y luego el enchufe de red en la pared. Cuando vuelva a conectar un cable de red al equipo, primero conecte el cable en el enchufe de red y luego en el NIC.
- Cuando desconecte un cable, tire de su conector o de su lazo liberador de tensión y no del cable mismo. Algunos cables tienen un conector con lengüetas de seguridad. Si está desconectando este tipo de cables, oprima las lengüetas hacia adentro antes de desconectarlo. Cuando separe conectores, manténgalos alineados para evitar doblar las patas de conexión. Asimismo, antes de conectar un cable, asegúrese de que los conectores estén orientados y alineados correctamente.
- Maneje con cuidado los componentes y las tarjetas. No toque los componentes ni los contactos de las tarjetas. Sujete las tarjetas por sus bordes o por su soporte metálico de montaje. Sujete los componentes tales como un chip de microprocesador por sus bordes y no por sus patas.

Cuando utilice el sistema

Cuando utilice el equipo, respete las siguientes directrices de seguridad.

 **PRECAUCIÓN: No utilice el equipo si está desmontada alguna de las cubiertas (incluidas las cubiertas de la PC, los biseles, los soportes de relleno y las carátulas del panel anterior).**

- Para ayudar a evitar daños al equipo, asegúrese de que el interruptor de selección de voltaje en el suministro de energía esté fijado para coincidir con la corriente alterna disponible en su área:
 - 115 voltios (V)/60 hercios (Hz) en la mayoría de las regiones de América del Norte y del Sur, y en algunos países del Lejano Oriente, tales como Corea del Sur y Taiwán

- 100 V/50 Hz en el Este de Japón y 100 V/60 Hz en el Oeste de Japón

NOTA: El interruptor de selección de voltaje debe estar en la posición 115V, aunque el suministro de corriente alterna en Japón es de 100 V.

- 230 V/50 Hz en la mayoría de las regiones de Europa, el Medio Oriente y el Lejano Oriente

También asegúrese de que su monitor y los periféricos conectados estén clasificados eléctricamente para operar con la corriente alterna disponible en su localidad.

NOTA: Los suministros de energía autoseleccionables no necesitan un interruptor de selección de voltaje. Es posible que el suministro de energía no disponga de este interruptor.



- Con el fin de prevenir una descarga eléctrica, conecte el equipo y los cables de alimentación de los periféricos a una fuente de energía con una conexión adecuada a tierra. Estos cables cuentan con enchufes de tres clavijas para asegurar una conexión adecuada a tierra. No utilice enchufes adaptadores ni retire la clavija de conexión a tierra de ningún cable. Si necesita utilizar un cable de extensión, utilice un cable de tres líneas con enchufes adecuadamente conectados a tierra.



- Antes de trabajar en el interior de su PC, desconecte el sistema para evitar una descarga eléctrica o daños en la placa base. Algunos componentes de la placa base siguen recibiendo energía cuando el equipo está conectado a la corriente alterna.

- Para evitar cualquier tipo de daño en la placa base, espere 15 segundos después de desenchufar el sistema antes de desconectar un dispositivo del equipo.
- ➡ **AVISO:** Observe cuando se apague el indicador LED (light-emitting diode [diodo emisor de luz]) de energía auxiliar en la placa base para verificar que el sistema está apagado (consulte la *Guía del usuario* para conocer la ubicación de este LED).
- Para proteger su equipo contra cambios repentinos en la alimentación eléctrica, utilice un protector contra sobrevoltajes, un acondicionador de línea o un UPS (Uninterruptible Power Supply [Sistema de energía ininterrumpida]).
- Asegúrese de que no haya ningún objeto encima de los cables de alimentación del equipo y que los cables no estén en un lugar donde uno pueda tropezarse con ellos o pisarlos.
- No derrame comida ni líquidos en su equipo. Si el equipo se moja, consulte la *Guía del usuario*.
- No introduzca ningún objeto por las aberturas del equipo. Puede ocasionar un incendio o una descarga eléctrica al provocar un cortocircuito entre los componentes internos.
- Mantenga el equipo alejado de radiadores y fuentes de calor. Asimismo, no obstruya las rendijas de ventilación. Evite colocar hojas sueltas debajo del equipo; no coloque el equipo cerca de una pared cerrada, sobre una cama, un sofá o un tapete.

Hábitos de ergonomía con su equipo

 **PRECAUCIÓN:** La utilización inapropiada o prolongada del teclado puede ocasionarle una lesión.

 **PRECAUCIÓN:** El observar la pantalla del monitor durante períodos prolongados puede causar fatiga ocular.

Para asegurar su comodidad y eficiencia, observe las pautas de ergonomía en su *Guía del usuario* al instalar y utilizar su equipo.

Información reglamentaria

La EMI (Electromagnetic Interference [Interferencia electromagnética]) es cualquier señal o emisión, irradiada en el espacio o conducida mediante cables de alimentación o de señales, que pone en peligro el funcionamiento de dispositivos de navegación por radio u otros dispositivos de seguridad o que degrada seriamente, obstruye o interrumpe repetidamente un servicio de radiocomunicaciones con licencia.

El sistema del equipo Dell está diseñado para cumplir con todas las reglamentaciones relacionadas con la EMI. Los cambios o modificaciones no aprobados expresamente por Dell podrían anular la autoridad para operar el equipo.



NOTA: Puede encontrar más información sobre reglamentaciones en la *Guía del usuario*.

Garantía del fabricante para el usuario final por un año (únicamente Latinoamérica y el Caribe)

Garantía

Dell Computer Corporation (“Dell”) garantiza al usuario en acuerdo con las siguientes provisiones que los productos de hardware que llevan su marca, adquiridos por el usuario por medio de una compañía de Dell o un distribuidor de Dell autorizado en Latinoamérica o el Caribe, estarán libres de defectos en materiales, mano de obra y diseño que puedan afectar su uso normal por un periodo de un año a partir de la fecha original de compra. Los productos para los cuales se hace un debido reclamo serán, según la decisión de Dell, reparados o reemplazados a cuenta de Dell. Dell es propietario de todas las piezas desmontadas de equipos reparados. Dell utiliza piezas nuevas y reacondicionadas hechas por varios fabricantes cuando hace reparaciones y en la fabricación de productos de reemplazo.

Exclusiones

Esta garantía no es aplicable a defectos resultantes por: instalación, uso o mantenimiento inadecuado o incorrecto; acciones o modificaciones por terceras personas no autorizadas o por el usuario mismo; daños accidentales o intencionales; o por desgaste normal.

Cómo realizar una reclamación

Las reclamaciones deben ser hechas en Latinoamérica o el Caribe poniéndose en contacto con el lugar de ventas de Dell dentro del periodo de garantía. El usuario siempre debe proporcionar un comprobante de adquisición, indicando el nombre y la dirección del vendedor, la fecha de adquisición, números de serie y de modelo, nombre y dirección del cliente, y los detalles de los síntomas y de la configuración al momento en el que ocurrió la falla, incluyendo los dispositivos periféricos y el software que se estaba utilizando. De lo contrario, Dell puede rehusar la demanda. Una vez diagnosticado un defecto bajo la garantía, Dell se encargará del problema y pagará el envío por tierra, así como el seguro de ida y venida al centro de reparación y reemplazo de Dell. El usuario se debe encargar de que el producto defectuoso esté disponible para ser recogido debidamente embalado en la caja original o en una caja protectora similar junto con los detalles que se mencionan anteriormente y el número de devolución proporcionado al usuario por Dell.

Limitación y derechos estatutarios

Dell no ofrece ninguna otra garantía o declaración similar que la explícitamente descrita anteriormente y esta garantía se proporciona en lugar de toda otra garantía, al máximo permitido por la ley. En la ausencia de leyes aplicables esta garantía será el único y exclusivo recurso del usuario en contra de Dell o cualquiera de sus socios, y ni Dell ni cualquiera de sus socios serán responsables por la pérdida de ganancias o contratos, o cualquier otra pérdida indirecta o por consecuencia que resulte del descuido, violación de contrato o cualquier otra evento.

Esta garantía no perjudica o afecta los derechos estatutarios obligatorios del usuario en contra y/o cualesquiera otros derechos que resulten de otros contratos entre el usuario y Dell y/o cualquier otro vendedor.

Dell World Trade LP

One Dell Way, Round Rock, TX 78682, EE.UU.

Dell Computadores do Brasil Ltda (CNPJ No. 72.381.189/0001-10)/

Dell Commercial do Brasil Ltda (CNPJ No. 03 405 822/0001-40)

Avenida Industrial Belgraf, 400

92990-000 - Eldorado do Sul – RS - Brasil

Dell Computer de Chile Ltda

Coyancura 2283, Piso 3- Of.302,

Providencia, Santiago - Chile

Dell Computer de Colombia Corporation

Carrera 7 #115-33 Oficina 603

Bogotá, Colombia

Dell Computer de México S.A. de C.V.

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Col. Lomas Altas

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