INSPIRON™

SETUP GUIDE

Regulatory Model P04T series  Regulatory Type P04T001
Notes, Cautions, and Warnings

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

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

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

If you purchased a Dell™ n Series computer, any references in this document to Microsoft® Windows® operating systems are not applicable.

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Setting Up Your Inspiron Laptop

This section provides information about setting up your Inspiron™ laptop.

Before Setting Up Your Computer

When positioning your computer, ensure that you allow easy access to a power source, adequate ventilation, and a level surface to place your computer.

Restricting airflow around your Inspiron laptop may cause it to overheat. To prevent overheating ensure that you leave at least 10.2 cm (4 inches) at the back of the computer and a minimum of 5.1 cm (2 inches) on all other sides. You should never place your computer in an enclosed space, such as a cabinet or drawer when it is powered on.

⚠️ WARNING: Do not block, push objects into, or allow dust to accumulate in the air vents.
Do not store your Dell™ computer in a low-airflow environment, such as a closed briefcase, while it is powered on. Restricting the airflow can damage the computer or cause a fire.

⚠️ CAUTION: Placing or stacking heavy or sharp objects on the computer may result in permanent damage to the computer.
Connect the AC Adapter

Connect the AC adapter to the computer and then plug it into an electrical outlet or surge protector.

⚠️ **WARNING:** The AC adapter works with electrical outlets worldwide. However, power connectors and power strips vary among countries. Using an incompatible cable or improperly connecting the cable to a power strip or electrical outlet may cause fire or permanent damage to your computer.
Connect the Network Cable (Optional)

To use a wired network connection, connect the network cable.
Press the Power Button
Set Up the Operating System

Your Dell computer is preconfigured with the operating system you selected at the time of purchase.

**Microsoft® Windows®**

To set up Windows for the first time, follow the instructions on the screen. These steps are mandatory and may take some time to complete. The Windows setup screens will take you through several procedures including accepting license agreements, setting preferences, and setting up an Internet connection.

⚠️ **CAUTION:** Do not interrupt the operating system’s setup process. Doing so may render your computer unusable and you will need to reinstall the operating system.

📝 **NOTE:** For optimal performance of your computer, it is recommended that you download and install the latest BIOS and drivers for your computer available at [support.dell.com](http://support.dell.com).

**Ubuntu®**

To set up Ubuntu for the first time, follow the instructions on the screen. See the Ubuntu documentation that shipped with your computer for more operating system specific information.
Setting Up Your Inspiron Laptop

Install the SIM Card (Optional)

Installing a Subscriber Identity Module (SIM) card allows you to browse the Internet, check e-mail, and connect to a Virtual Private Network. To access these features, you must be within the network of your cellular service provider.
To install the SIM card:
1. Turn off your computer.
2. Remove the battery (see “Removing and Replacing the Battery” on page 30).
3. In the battery bay, slide the SIM card into the SIM card slot.
4. Replace the battery (see “Removing and Replacing the Battery” on page 30).
5. Turn on your computer.

To remove the SIM card, press and eject the SIM card.
Enable or Disable Wireless (Optional)
To enable wireless:
1. Turn on your computer.
2. Double-click the icon on the system tray or press <F2>.
   The Wireless Enable/Disable dialog box appears.
3. Select the option(s) you want to enable:
   – Enable Bluetooth
   – Enable Wireless LAN/WiMax
   – Enable Wireless WAN/GPS
4. Click OK.

To disable wireless:
1. Double-click the icon on the system tray or press <F2>.
   The Wireless Enable/Disable dialog box appears.
2. Clear the option(s) you want to disable:
   – Enable Bluetooth
   – Enable Wireless LAN/WiMax
   – Enable Wireless WAN/GPS
3. Click OK.
Setting Up Your Inspiron Laptop

Connect to the Internet (Optional)
To connect to the Internet, you need an external modem or network connection and an Internet service provider (ISP).

If an external USB modem or WLAN adapter is not a part of your original order, you can purchase one at www.dell.com.

Setting Up a Wired Connection
• If you are using a dial-up connection, connect the telephone line to the external USB modem (optional) and to the telephone wall jack before you set up your Internet connection.
• If you are using a DSL or cable/satellite modem connection, contact your ISP or cellular telephone service for setup instructions.

To complete setting up your wired Internet connection, follow the instructions in “Setting Up Your Internet Connection” on page 15.

Setting Up a Wireless Connection
Before you can use your wireless Internet connection, you need to connect to your wireless router.

To set up your connection to a wireless router:

Windows XP

NOTE: The following steps were written for the Windows default view, so they may not apply if you set your Dell™ computer to the Windows Classic view.

1. Ensure that wireless is enabled on your computer (see “Enable or Disable Wireless” on page 12).
2. Save and close any open files, and exit any open programs.
3. Click **Start**→ **Connect to**→ **Wireless Network Connections**→ **View Wireless Networks**.

4. Follow the instructions on the screen to complete the setup.

**Windows 7**

1. Ensure that wireless is enabled on your computer (see “Enable or Disable Wireless” on page 12).

2. Save and close any open files, and exit any open programs.

3. Click **Start** → **Control Panel**→ **Network and Sharing Center**→ **Connect to a network**.

4. Follow the instructions on the screen to complete the setup.

---

**Setting Up Your Internet Connection**

ISPs and ISP offerings vary by country. Contact your ISP for offerings available in your country.

If you cannot connect to the Internet but have successfully connected in the past, the ISP might have a service outage. Contact your ISP to check the service status, or try connecting again later.

Have your ISP information ready. If you do not have an ISP, the **Connect to the Internet** wizard can help you get one.
Setting Up Your Inspiron Laptop

To setup your Internet connection:

*Windows XP*

- **NOTE:** The following steps were written for the Windows default view, so they may not apply if you set your Dell™ computer to the Windows Classic view.

1. Save and close any open files, and exit any open programs.
2. Click **Start** → **Control Panel**.
3. Under **Network and Internet Connections**, select **Setup or Change Your Internet Connection**.
4. Click **Setup**.
   The **New Connection Wizard** appears.
5. Click **Connect to the Internet**.
- **NOTE:** Your computer does not have an internal optical drive. Use an external optical drive or any external storage device for the procedures that involve discs.

6. In the next window, click the appropriate option:
   - If you do not have an ISP, click *Choose from a list of Internet service providers (ISPs)*.
   - If you have already obtained setup information from your ISP but you did not receive a setup CD, click *Set up my connection manually*.
   - If you have a setup CD, click *Use the CD I got from an ISP*.
7. Click **Next**.
   If you selected *Set up my connection manually* in step 6, continue to step 8.
   Otherwise, follow the instructions on the screen to complete the setup.
- **NOTE:** If you do not know which type of connection to select, contact your ISP.
8. Click the appropriate option under **How do you want to connect to the Internet?**, and click **Next**.

9. Use the setup information provided by your **ISP** to complete the setup.

**Windows 7**

1. Save and close any open files, and exit any open programs.

2. Click **Start** → **Control Panel**.

3. Click **Network and Sharing Center** → **Set up a new connection or network** → **Connect to the Internet**.

   The **Connect to the Internet** window appears.

   **NOTE:** If you do not know which type of connection to select, click **Help me choose** or contact your **ISP**.

4. Follow the instructions on the screen and use the setup information provided by your **ISP** to complete the setup.

---

**Set Up the TV Tuner**  
**(Optional)**

**NOTE**: Availability of the TV tuner may vary by region.

To set up the TV tuner for the first time:

1. Click **Start** → **All Programs**.

2. Click **Dell Digital TV** → **Dell Digital TV**  
   and follow the instructions on the screen.

To re-configure your TV tuner settings:

1. Click **Start** → **All Programs**.

2. Click **Dell Digital TV** → **Dell Digital TV**.

3. Click **Scan**.

   The scan wizard will scan for the channels available in your region.
Using Your Inspiron Laptop
This section provides information about the features available on your Inspiron™ laptop.

Right Side Features
1. **Audio out/Headphone connector** — Connects to a pair of headphones or to a powered speaker or sound system.

2. **Audio in/Microphone connector** — Connects to a microphone or inputs signal for use with audio programs.

3. **USB 2.0 connector** — Connects to USB devices, such as a mouse, keyboard, printer, external drive, or MP3 player.

4. **Network connector** — Connects your computer to a network or a broadband device if you are using a wired network.
Left Side Features
<p>| | | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>VGA connector</td>
<td>Connects to a monitor or projector.</td>
</tr>
<tr>
<td>2</td>
<td>USB 2.0 connectors (2)</td>
<td>Connect to USB devices, such as a mouse, keyboard, printer, external drive, or MP3 player.</td>
</tr>
<tr>
<td>3</td>
<td>Antenna in connector (on supported models)</td>
<td>Connects to an external antenna, through a MCX connector, to view programs using the TV tuner card (optional). For more information on TV tuner card setup, see “Set Up the TV Tuner” on page 17.</td>
</tr>
<tr>
<td>4</td>
<td>3-in-1 Media Card Reader</td>
<td>Provides a fast and convenient way to view and share digital photos, music, videos, and documents stored on the following digital memory cards:</td>
</tr>
<tr>
<td></td>
<td>• Secure Digital (SD) memory card</td>
<td></td>
</tr>
<tr>
<td></td>
<td>• Secure Digital High Capacity (SDHC) card</td>
<td>• Memory Stick</td>
</tr>
<tr>
<td></td>
<td>• Multimedia Card (MMC)</td>
<td>• Memory Stick PRO</td>
</tr>
</tbody>
</table>
Using Your Inspiron Laptop

Back Side Features

1

2
1 **Security cable slot** — Attaches a commercially available security cable to the computer.  
**NOTE:** Before you buy an security cable, ensure that it works with the security cable slot on your computer.

2 **AC adapter connector** — Connects to an AC adapter to power the computer and charge the battery.
Using Your Inspiron Laptop

Computer Base Features
1 **Power button** — Turns the computer on or off when pressed.

2 **Power/Battery indicator light** — The light indicates the following states when the computer is powered using either the AC adapter or the battery.

<table>
<thead>
<tr>
<th>Indicator light status</th>
<th>Computer state(s)</th>
<th>Battery charge level</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>AC adapter</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Solid white</td>
<td>On</td>
<td>Charging</td>
</tr>
<tr>
<td></td>
<td>Off/hibernate</td>
<td>&lt;90%</td>
</tr>
<tr>
<td>Breathing white</td>
<td>Standby</td>
<td>Charging</td>
</tr>
<tr>
<td>Off</td>
<td>Off/hibernate</td>
<td>&gt;90%</td>
</tr>
<tr>
<td><strong>Battery</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Solid white</td>
<td>On</td>
<td>&gt;10%</td>
</tr>
<tr>
<td>Breathing white</td>
<td>Standby</td>
<td>&gt;=10%</td>
</tr>
<tr>
<td>Solid amber</td>
<td>On/standby</td>
<td>&lt;10%</td>
</tr>
<tr>
<td>Off</td>
<td>Off/hibernate</td>
<td>n/a</td>
</tr>
</tbody>
</table>

**NOTE:** The battery is charging when the computer is powered using the AC adapter.

3 **Hard drive activity light** — Turns on when the computer reads or writes data. A blinking light indicates hard drive activity.
4 **Keyboard** — For more information on keyboard, see the *Dell Technology Guide* available on your hard drive or at [support.dell.com/manuals](http://support.dell.com/manuals).

5 **Touch pad** — Provides the functionality of a mouse to move the cursor, drag or move selected items, and left-click by tapping the surface. It supports the Scroll feature. For more information, see “Touch Pad Gestures” on page 27.

6 **Touch pad buttons (2)** — Provide left- and right-click functions like those on a mouse.
Touch Pad Gestures

Scroll

Allows you to scroll through content. The scroll feature includes:

**Traditional Scroll** — Allows you to scroll up or down, and right or left.

To scroll up or down:

Move a finger up or down in the vertical scroll zone (extreme right of the touch pad).

To scroll right or left:

Move a finger right or left in the horizontal scroll zone (extreme bottom of the touch pad).

**Circular Scroll** — Allows you to scroll up or down, and right or left.

To scroll up or down:

Move a finger in the vertical scroll zone (extreme right of the touch pad), in a clockwise circular motion to scroll up or counterclockwise circular motion to scroll down.

To scroll right or left:

Move a finger in the horizontal scroll zone (extreme bottom of the touch pad), in a clockwise circular motion to scroll right or counterclockwise circular motion to scroll left.
Display Features
The display panel holds a camera and accompanying dual digital microphones.
<table>
<thead>
<tr>
<th></th>
<th><strong>Microphone</strong> — Provides high quality sound for video conferencing and voice recording.</th>
</tr>
</thead>
<tbody>
<tr>
<td>2</td>
<td><strong>Camera</strong> — Built-in camera for video capture, conferencing, and chat.</td>
</tr>
<tr>
<td>3</td>
<td><strong>Camera activity indicator</strong> — Indicates if the camera is on or off.</td>
</tr>
<tr>
<td>4</td>
<td><strong>Display</strong> — Your display can vary based on selections you made when purchasing your computer. For more information about displays, see the <em>Dell Technology Guide</em> available on your hard drive or at <a href="http://support.dell.com/manuals">support.dell.com/manuals</a>.</td>
</tr>
</tbody>
</table>
Removing and Replacing the Battery

⚠️ **WARNING:** Before you begin any of the procedures in this section, follow the safety instructions that shipped with your computer.

⚠️ **WARNING:** Using an incompatible battery may increase the risk of fire or explosion. This computer should only use a battery purchased from Dell. Do not use batteries from other computers.

⚠️ **WARNING:** Before removing the battery, shut down the computer, and remove external cables (including the AC adapter).

To remove the battery:

1. Slide the battery release latches to unlock position.
2. Rotate and lift the battery out of the battery bay.

To replace the battery:

Align the tabs on the battery with the slots in the battery bay and gently press the battery until it clicks into place.
1 battery release latches (2)
2 battery
3 battery bay
4 battery bay slots (3)
Software Features

NOTE: For more information about the features described in this section, see the Dell Technology Guide available on your hard drive or at support.dell.com/manuals.

Productivity and Communication
You can use your computer to create presentations, brochures, greeting cards, fliers, and spreadsheets. You can also edit and view digital photographs and images. Check your purchase order for software installed on your computer.

After connecting to the Internet, you can access websites, setup an e-mail account, upload and download files.

Entertainment and Multimedia
You can use your computer to watch videos, play games and listen to music and Internet radio stations.

You can download or copy pictures and video files from portable devices, such as digital cameras and cell phones. Optional software applications enable you to organize and create music and video files that can be recorded to disc, saved on portable products such as MP3 players and handheld entertainment devices, or played and viewed directly on connected TVs, projectors, and home theater equipment.
Customizing the Desktop
You can customize your desktop to change the appearance, resolution, wallpaper, screensaver, or other features of your desktop.

*Windows® XP*

1. Right-click an open area of the desktop.
2. Click **Properties**, to open the **Display Properties** window and learn more about your customization options.

*Windows 7*

1. Right-click an open area of the desktop.
2. Click **Personalize**, to open the **Change the visuals and sounds on your computer** window and learn more about your customization options.

Customizing Your Energy Settings
You can use the power options in your operating system to configure the power settings on your computer. The Windows operating system installed on your Dell computer provides the following options:

- **Dell** — Recommended default power plan with Dell enhancements. Offers full performance when you need it and saves power during periods of inactivity.
- **Power saver** — Saves energy by reducing your computer’s performance where possible.
- **Balanced** — Automatically balances performance with energy consumption on capable hardware.
- **High performance** — Provides the highest level of system performance on your computer by adapting processor speed to your activity and by maximizing system performance.
Transferring Information to a New Computer

To transfer information to a new computer:

Windows XP

**NOTE:** The following instructions are applicable for the Windows default view, and may not apply if you set your computer to the Windows Classic view.

1. Click **Start** → **All Programs** → **Accessories** → **System Tools** → **Files and Settings Transfer Wizard**.
2. Follow the instructions in the **Files and Settings Transfer Wizard** wizard.

Windows 7

1. Click **Start** → **Control Panel** → **System and Security** → **Backup and Restore**.
2. Click **Set up backup....**
3. Follow the instructions on the **Configure Backup** wizard.

Backing Up Your Data

It is recommended that you periodically back up files and folders on your computer.

To back up files:

Windows XP

1. Click **Start** → **All Programs** → **Accessories** → **System Tools** → **Backup**.
2. Follow the instructions in the **Backup or Restore** wizard.

Windows 7

1. Click **Start** → **Control Panel** → **System and Security** → **Backup and Restore**.
2. Click **Set up backup....**
3. Follow the instructions on the **Configure Backup** wizard.
Dell DataSafe Online Backup

NOTE: Dell DataSafe Online Backup may not be available in all regions.

NOTE: A broadband connection is recommended for fast upload/download speeds.

Dell DataSafe Online is an automated backup and recovery service that helps protect your data and other important files from catastrophic incidents like theft, fire, or natural disasters. You can access the service on your computer using a password-protected account.

For more information, go to delldatasafe.com.

To schedule backups:

1. Double click the Dell DataSafe Online icon on the taskbar
2. Follow the instructions that appear on the screen.
The Dell Dock is a group of icons that provides easy access to frequently-used applications, files, and folders. You can personalize the Dock by:

- Adding or removing icons
- Grouping related icons into categories
- Changing the color and location of the Dock
- Changing the behavior of the icons

Add a Category
1. Right-click the Dock, click Add → Category.
   The Add/Edit Category window is displayed.
2. Enter a title for the category in the Title field.
3. Select an icon for the category from the Select an image box.
4. Click Save.

Remove a Category or Icon
1. Right-click the category or icon on the Dock and click Delete shortcut or Delete category.
2. Follow the instructions on the screen.

Personalize the Dock
1. Right-click the Dock and click Advanced Setting....
2. Choose the desired option to personalize the Dock.

Add an Icon
Drag and drop the icon to the Dock or a category.
Solving Problems

This section provides troubleshooting information for your computer. If you cannot solve your problem using the following guidelines, see “Using Support Tools” on page 43 or “Contacting Dell” on page 64.

**Beep Codes**

Your computer might emit a series of beeps during start-up if there are errors or problems. This series of beeps, called a beep code, identifies a problem. If this occurs, write down the beep code and contact Dell (see “Contacting Dell” on page 64).

![NOTE: To replace parts, see the Service Manual at support.dell.com/manuals.](image)

<table>
<thead>
<tr>
<th>Beep Code</th>
<th>Possible Problem</th>
</tr>
</thead>
<tbody>
<tr>
<td>One</td>
<td>Possible motherboard failure - BIOS ROM checksum failure</td>
</tr>
<tr>
<td>Two</td>
<td>No RAM detected</td>
</tr>
<tr>
<td>Three</td>
<td>Possible motherboard failure - Chipset error</td>
</tr>
<tr>
<td>Four</td>
<td>RAM read/write failure</td>
</tr>
<tr>
<td>Five</td>
<td>Real Time Clock failure</td>
</tr>
<tr>
<td>Six</td>
<td>Video card or chip failure</td>
</tr>
<tr>
<td>Seven</td>
<td>Processor failure</td>
</tr>
<tr>
<td>Eight</td>
<td>Display failure</td>
</tr>
</tbody>
</table>
Burden Problems

Network Problems

Wireless Connections

If the wireless network connection is lost — The wireless router is offline or wireless has been disabled on the computer.

• Ensure that wireless is enabled (see “Enable or Disable Wireless” on page 12).
• Check your wireless router to ensure it is powered on and connected to your data source (cable modem or network hub).
• Interference may be blocking or interrupting your wireless connection. Try moving the computer closer to your wireless router.
• Re-establish your connection to the wireless router (see “Setting Up a Wireless Connection” on page 14).

Wired Connections

If the network connection is lost — The cable is loose or damaged.

• Check the cable to ensure it is plugged in and not damaged.
• The link integrity light on the integrated network connector lets you verify that your connection is working and provides information on the status:
  – Green — A good connection exists between a 10-Mbps network and the computer.
  – Amber — A good connection exists between a 100-Mbps network and the computer.
  – Off — The computer is not detecting a physical connection to the network. For assistance, contact your network administrator or ISP.

NOTE: The link integrity light on the network connector is only for the wired cable connection. The link integrity light does not provide status for wireless connections.
Power Problems

If the power light is off — The computer is either turned off, in hibernate state, or is not receiving power.

- Press the power button. The computer resumes normal operation if it is off or in hibernate mode.
- Reseat the AC adapter cable into the power connector on the computer and the electrical outlet.
- If the computer is plugged into a power strip, ensure that the power strip is plugged into an electrical outlet and that the power strip is turned on.
- Temporarily bypass power protection devices, power strips, and power extension cables to verify that the computer turns on properly.
- Ensure that the electrical outlet is working by testing it with another device, such as a lamp.

- Check the AC adapter cable connections. If the AC adapter has a light, ensure that the light on the AC adapter is on.

If the power light is solid white and the computer is not responding — The display may not be responding.

- Press the power button until the computer turns off and then turn it back on.
- If the problem persists, contact Dell (see “Contacting Dell” on page 64).

If the power light is blinking white — The computer is in standby state or the display may not be responding.

- Press a key on the keyboard, move the connected mouse or a finger on the touch pad, or press the power button to resume normal operation.
- If the display is not responding, press the power button until the computer turns off and then turn it back on.
- If the problem persists, contact Dell (see “Contacting Dell” on page 64).
Solving Problems

If you encounter interference that hinders reception on your computer — An unwanted signal is creating interference by interrupting or blocking other signals. Some possible causes of interference are:

- Power, keyboard, and mouse extension cables.
- Too many devices connected to a power strip.
- Multiple power strips connected to the same electrical outlet.

Memory Problems

If you receive an insufficient memory message —

- Save and close any open files and exit any open programs you are not using to see if that resolves the problem.
- See the software documentation for minimum memory requirements.
- Reseat the memory module(s) into the connector(s) (see the Service Manual at support.dell.com/manuals for instructions.)
- If the problem persists, contact Dell (see “Contacting Dell” on page 64.)

If you experience other memory problems —

- Run the Dell Diagnostics (see “Dell Diagnostics” on page 46).
- If the problem persists, contact Dell (see “Contacting Dell” on page 64).
Lockups and Software Problems

If the computer does not start up — Ensure that the power cable is firmly connected to the computer and to the electrical outlet.

If a program stops responding — End the program:
1. Press <Ctrl><Shift><Esc> simultaneously.
2. Click Applications.
3. Click the program that is no longer responding
4. Click End Task.

If a program crashes repeatedly — Check the software documentation. If necessary, uninstall and then reinstall the program.

NOTE: Software usually includes installation instructions in its documentation or on the disc (CD or DVD).

NOTE: Your computer does not have an internal optical drive. Use an external optical drive or any external storage device for the procedures that involve discs.

If the computer stops responding or a solid blue screen appears —

CAUTION: You might lose data if you are unable to perform an operating system shutdown.

If you are unable to get a response by pressing a key on your keyboard or moving your mouse, press the power button until the computer turns off and then restart your computer.

If a program is designed for an earlier Microsoft® Windows® operating system —

Run the Program Compatibility Wizard. The Program Compatibility Wizard configures a program so that it runs in an environment similar to an earlier version of Microsoft Windows operating system environments.
Solving Problems

Windows® XP

1. Click Start → Help and Support → Fixing a Problem → Application and Software Problems.
2. Under Fix a Problem click Getting older programs to run on Windows XP.
3. Read the instructions and then click Program Compatibility Wizard.
4. Follow the instructions on the screen.

Windows® 7

1. Click Start.
2. In the search box, type Use an older program with this version of Windows and press <Enter>.
3. Follow the instructions on the Program Compatibility wizard.

If you have other software problems —

- Back up your files immediately.
- Use a virus-scanning program to check the hard drive or CDs.
- Save and close any open files or programs and shut down your computer through the Start menu.
- Check the software documentation or contact the software manufacturer for troubleshooting information:
  - Ensure that the program is compatible with the operating system installed on your computer.
  - Ensure that your computer meets the minimum hardware requirements needed to run the software. See the software documentation for information.
  - Ensure that the program is installed and configured properly.
  - Verify that the device drivers do not conflict with the program.
  - If necessary, uninstall and then reinstall the program.
  - Write down any error message that is displayed to help in troubleshooting.
Using Support Tools

Dell Support Center

The Dell Support Center is an easy-to-use application that provides information about your computer, personalized service and support resources.

To launch the application, click the icon in the taskbar.

The Dell Support Center home page displays your computer’s model number, service tag, express service code, and service contact information.

The home page also provides links to access:

- **Self Help** (Troubleshooting, Security, System Performance, Network/Internet, Backup/Recovery, and Windows operating system)
- **Alerts** (technical support alerts relevant to your computer)
- **Assistance from Dell** (Technical Support with DellConnect™, Customer Service, Training and Tutorials, How-To Help with Dell on Call™, and Online Scan with PC CheckUp)
- **About Your System** (System Documentation, Warranty Information, System Information, Upgrades & Accessories)

For more information about Dell Support Center and available support tools, click the Services tab at support.dell.com.
System Messages

If your computer has an issue or an error, it may display a System Message that will help you identify the cause and action needed to resolve the issue.

Note: If the message you received is not listed in the following examples, see the documentation for either the operating system or the program that was running when the message appeared. Alternatively you could see the Dell Technology Guide available on your hard drive or at support.dell.com/manuals or contact Dell (see “Contacting Dell” on page 64).

Alert! Previous attempts at booting this system have failed at checkpoint [nnnn]. For help in resolving this problem, please note this checkpoint and contact Dell Technical Support — The computer failed to complete the boot routine three consecutive times for the same error. Contact Dell (see “Contacting Dell” on page 64).

CMOS checksum error — Possible motherboard failure or RTC battery low. Replace the battery (see the Service Manual at support.dell.com/manuals) or contact Dell (see “Contacting Dell” on page 64).

Hard-disk drive failure — Possible hard disk drive failure during POST. Contact Dell (see “Contacting Dell” on page 64).

Hard-disk drive read failure — Possible hard disk drive failure during HDD boot test. Contact Dell (see “Contacting Dell” on page 64).

Keyboard failure — Keyboard failure or loose cable. Replace the keyboard, (see the Service Manual at support.dell.com/manuals).
No boot device available — No bootable partition on hard drive, the hard drive cable is loose, or no bootable device exists.

- If the hard drive is your boot device, ensure that the cables are connected and that the drive is installed properly and partitioned as a boot device.
- Enter system setup and ensure that the boot sequence information is correct (see the Dell Technology Guide available on your hard drive or at support.dell.com/manuals).

No timer tick interrupt — A chip on the system board might be malfunctioning or motherboard failure. Contact Dell (see “Contacting Dell” on page 64).

Hardware Troubleshooter

If a device is either not detected during the operating system setup or is detected but incorrectly configured, you can use the Hardware Troubleshooter to resolve the incompatibility.

To start the Hardware Troubleshooter:

1. Click Start → Help and Support.
2. Type hardware troubleshooter in the search field and press <Enter> to start the search.
3. In the search results, select the option that best describes the problem and follow the remaining troubleshooting steps.
Using Support Tools

Dell Diagnostics

If you experience a problem with your computer, perform the checks in “Lockups and Software Problems” on page 41 and run the Dell Diagnostics before you contact Dell for technical assistance.

⚠️ NOTE: Dell Diagnostics works only on Dell computers.

⚠️ NOTE: The Drivers and Utilities disc is optional and may not ship with your computer.

Ensure that the device that you want to test displays in the system setup program and is active. Press <F2> during POST (Power On Self Test) to enter the System Setup (BIOS) utility.

Start the Dell Diagnostics from your hard drive or from the Drivers and Utilities disc.

Starting Dell Diagnostics From Your Hard Drive

The Dell Diagnostics is located on a hidden diagnostic utility partition on your hard drive.

⚠️ NOTE: If your computer cannot display a screen image, contact Dell (see “Contacting Dell” on page 64).

1. Ensure that the computer is connected to an electrical outlet that is known to be working properly.

2. Turn on (or restart) your computer.

3. When the DELL™ logo appears, press <F12> immediately. Select Diagnostics from the boot menu and press <Enter>. This may invoke the Pre-Boot System Assessment (PSA) on your computer.
Using Support Tools

**NOTE:** If you wait too long and the operating system logo appears, continue to wait until you see the Microsoft® Windows® desktop; then, shut down your computer and try again.

**NOTE:** If you see a message stating that no diagnostics utility partition has been found, run the Dell Diagnostics from the Drivers and Utilities disc.

If PSA is invoked:

a. The PSA will start running the tests.
b. If the PSA completes successfully, the following message is displayed: “No problems have been found with this system so far. Do you want to run the remaining memory tests? This will take about 30 minutes or more. Do you want to continue? (Recommended).”
c. If you are experiencing memory issues, press <y>, otherwise press <n>.
d. The following message is displayed “Booting Dell Diagnostic Utility Partition. Press any key to continue.”
e. Press any key to continue. The Choose An Option window appears.

If PSA is not invoked:

Press any key to start the Dell Diagnostics from the diagnostics utility partition on your hard drive and to go to the Choose An Option window.

4. Select the test you want to run.

5. If you encounter a problem during a test, a message with the error code and a description of the problem will appear on your screen. Write down the error code and problem description and contact Dell (see “Contacting Dell” on page 64).
Using Support Tools

NOTE: The Service Tag for your computer is displayed at the top of each test screen. The Service Tag helps you identify your computer when you contact Dell.

6. When the tests are complete, close the test screen to return to the Choose An Option window.

7. To exit the Dell Diagnostics and to restart the computer, click Exit.

Starting Dell Diagnostics From the Drivers and Utilities Disc

NOTE: Your computer does not have an internal optical drive. Use an external optical drive or any external storage device for the procedures that involve discs.

1. Insert the Drivers and Utilities disc.

2. Shut down and restart the computer. When the DELL logo appears, press <F12> immediately.

NOTE: If you wait too long and the operating system logo appears, continue to wait until you see the Microsoft® Windows® desktop; then, shut down your computer and try again.

NOTE: The next steps change the boot sequence for one time only. On the next start-up, the computer boots according to the devices specified in the system setup program.

3. When the boot device list appears, highlight CD/DVD/CD-RW and press <Enter>.

4. Select the Boot from CD-ROM option from the menu that appears and press <Enter>.

5. Type 1 to start the CD menu and press <Enter> to proceed.

6. Select the test you want to run.
7. If you encounter a problem during a test, a message with the error code and a description of the problem will appear on your screen. Write down the error code and problem description and contact Dell (see “Contacting Dell” on page 64).

**NOTE:** The Service Tag for your computer is displayed at the top of each test screen. The Service Tag helps you identify your computer when you contact Dell.

8. When the tests are complete, close the test screen to return to the **Choose An Option** window.

9. To exit the Dell Diagnostics and to restart the computer, click **Exit**.

10. Remove the **Drivers and Utilities** disc.
Restoring Your Operating System

You can restore your operating system in the following ways:

- **System Restore** returns your computer to an earlier operating state without affecting data files. Use System Restore as the first solution for restoring your operating system and preserving data files.

- **Dell Factory Image Restore** returns your hard drive to the operating state it was in when you purchased the computer. This procedure permanently deletes all data on the hard drive and removes any programs installed after you received the computer. Use Dell Factory Image Restore only if System Restore did not resolve your operating system problem.

- If you received an *Operating System* disc with your computer, you can use it to restore your operating system. However, using the *Operating System* disc also deletes all data on the hard drive. Use the disc only if System Restore did not resolve your operating system problem.

**System Restore**

The Windows operating systems provide a System Restore option which allows you to return your computer to an earlier operating state (without affecting data files) if changes to the hardware, software, or other system settings have left the computer in an undesirable operating state. Any changes that System Restore makes to your computer are completely reversible.

⚠️ **CAUTION:** Make regular backups of your data files. System Restore does not monitor your data files or recover them.

**NOTE:** The procedures in this document were written for the Windows default view, so they may not apply if you set your Dell™ computer to the Windows Classic view.
Starting System Restore

To restore your computer:

Windows XP

1. Click Start → All Programs → Accessories → System Tools → System Restore.
2. In the welcome screen, click Next.
3. Follow the instructions on the screen

Windows 7

1. Click Start.
2. In the Start Search box, type System Restore and press <Enter>.
3. Click Next and follow the instructions on the screen.

NOTE: The User Account Control window may appear. If you are an administrator on the computer, click Continue; otherwise, contact your administrator to continue the desired action.

3. Click Next and follow the instructions on the screen.

In the event that System Restore did not resolve the issue, you may undo the last system restore.

Undoing the Last System Restore

NOTE: Before you undo the last system restore, save and close all open files and exit any open programs. Do not alter, open, or delete any files or programs until the system restoration is complete.

Windows XP

1. Click Start → All Programs → Accessories → System Tools → System Restore.
2. In the welcome screen, click Undo my last restoration and then click Next.
3. Follow the instructions on the screen.

Windows 7

1. Click Start.
2. In the Start Search box, type System Restore and press <Enter>.
3. Click Undo my last restoration and click Next.
Dell Factory Image Restore

⚠️ CAUTION: Using Dell Factory Image Restore permanently deletes all data on the hard drive and removes any programs or drivers installed after you received your computer. If possible, back up the data before using this option. Use Dell Factory Image Restore only if System Restore did not resolve your operating system problem.

NOTE: Dell Factory Image Restore may not be available in certain countries or on certain computers.

Use Dell Factory Image Restore only as the last method to restore your operating system. This option restores your hard drive to the operating state it was in when you purchased the computer. Any programs or files added since you received your computer—including data files—are permanently deleted from the hard drive. Data files include documents, spreadsheets, e-mail messages, digital photos, music files, and so on. If possible, back up all data before using Dell Factory Image Restore.

Performing Dell Factory Image Restore

1. Turn on the computer. When the Dell logo appears, press <F8> several times to access the Advanced Boot Options window.

   NOTE: If you wait too long and the operating system logo appears, continue to wait until you see the Microsoft® Windows® desktop; then, restart your computer and try again.

2. Select Repair Your Computer.

3. The System Recovery Options window appears.

4. Select a keyboard layout and click Next.

5. To access the recovery options, log on as a local user. To access the command prompt, type administrator in the User name field, then click OK.
6. Click **Dell Factory Image Restore**. The **Dell Factory Image Restore** welcome screen appears.

**NOTE:** Depending upon your configuration, you may need to select **Dell Factory Tools**, then **Dell Factory Image Restore**.

7. Click **Next**. The **Confirm Data Deletion** screen appears.

**NOTE:** If you do not want to proceed with Factory Image Restore, click **Cancel**.

8. Select the check box to confirm that you want to continue reformatting the hard drive and restoring the system software to the factory condition, then click **Next**.

   The restore process begins and may take five or more minutes to complete. A message appears when the operating system and factory-installed applications have been restored to factory condition.

9. Click **Finish** to reboot the computer.

---

### Operating System Reinstallation

#### Before You Begin

If you are considering reinstalling the Microsoft® Windows® operating system to correct a problem with a newly installed driver, first try using Windows Device Driver Rollback.

To roll back a device driver:

**Windows XP**

1. Click **Start** → **Control Panel**.

2. Double-click **System**.

3. On the **Hardware** tab, click **Device Manager**.

4. Right-click the device for which the new driver is installed and click **Properties**.

5. Click the **Drivers** tab → **Roll Back Driver**.
Restoring Your Operating System

*Windows 7*

1. Click **Start**.
2. Right-click **Computer**.
3. Click **Properties** → **Device Manager**.
4. Right-click the device for which the new driver is installed, and click **Properties**.
5. Click the **Drivers** tab → **Roll Back Driver**.

If Device Driver Rollback does not resolve the problem, then use System Restore to return your operating system to the operating state it was in before you installed the new device driver. See “System Restore” on page 50.

⚠️ **CAUTION:** Before performing the installation, back up all data files on your primary hard drive. For conventional hard drive configurations, the primary hard drive is the first drive detected by the computer.

To reinstall Windows, you need the following:

- **NOTE:** Your computer does not have an internal optical drive. Use an external optical drive or any external storage device for the procedures that involve discs.
  - Dell *Operating System* disc
  - Dell *Drivers and Utilities* disc

- **NOTE:** The *Drivers and Utilities* disc contains drivers that were installed during the assembly of the computer. Use the Dell *Drivers and Utilities* disc to load any required drivers. Depending on the region from which you ordered your computer, or whether you requested the disc, the Dell *Drivers and Utilities* disc and *Operating System* disc may not ship with your computer.
Reinstalling Microsoft Windows

The reinstallation process can take 1 to 2 hours to complete. After you reinstall the operating system, you must also reinstall the device drivers, virus protection program, and other software.

1. Save and close any open files and exit any open programs.
2. Insert the Operating System disc.
3. Click Exit if the Install Windows message appears.
4. Restart the computer.
5. When the DELL logo appears, press <F12> immediately.

NOTE: If you wait too long and the operating system logo appears, continue to wait until you see the Microsoft® Windows® desktop; then, shut down your computer and try again.

NOTE: The next steps change the boot sequence for one time only. On the next start-up, the computer boots according to the devices specified in the system setup program.

6. When the boot device list appears, highlight CD/DVD/CD-RW Drive and press <Enter>.
7. Press any key to Boot from CD-ROM. Follow the instructions on the screen to complete the installation.
Getting Help

If you experience a problem with your computer, you can complete the following steps to diagnose and troubleshoot the problem:

1. See “Solving Problems” on page 37 for information and procedures that pertain to the problem your computer is experiencing.

2. See the Dell Technology Guide available on your hard drive or at support.dell.com/manuals for more troubleshooting information.

3. See “Dell Diagnostics” on page 46 for procedures on how to run Dell Diagnostics.

4. Fill out the “Diagnostic Checklist” on page 63.

5. Use Dell’s extensive suite of online services available at Dell Support (support.dell.com) for help with installation and troubleshooting procedures. See “Online Services” on page 58 for a more extensive list of Dell Support online.

6. If the preceding steps have not resolved the problem, see “Before You Call” on page 62.

**NOTE:** Call Dell Support from a telephone near or at the computer so that the support staff can assist you with any necessary procedures.

**NOTE:** Dell’s Express Service Code system may not be available in all countries.
When prompted by Dell’s automated telephone system, enter your Express Service Code to route the call directly to the proper support personnel. If you do not have an Express Service Code, open the Dell Accessories folder, double-click the Express Service Code icon, and follow the directions.

⚠️ **NOTE:** Some of the services are not always available in all locations outside the continental U.S. Call your local Dell representative for information on availability.

---

### Technical Support and Customer Service

Dell’s support service is available to answer your questions about Dell hardware. Our support staff use computer-based diagnostics to provide fast, accurate answers.

To contact Dell’s support service, see “Before You Call” on page 62 and then see the contact information for your region or go to support.dell.com.

### DellConnect

DellConnect™ is a simple online access tool that allows a Dell service and support associate to access your computer through a broadband connection, diagnose your problem and repair it all under your supervision. For more information, go to www.dell.com/dellconnect.
Online Services
You can learn about Dell products and services on the following websites:

• www.dell.com
• www.dell.com/ap (Asian/Pacific countries only)
• www.dell.com/jp (Japan only)
• www.euro.dell.com (Europe only)
• www.dell.com/la (Latin American and Caribbean countries)
• www.dell.ca (Canada only)

You can access Dell Support through the following websites and e-mail addresses:

Dell Support websites
• support.dell.com
• support.jp.dell.com (Japan only)
• support.euro.dell.com (Europe only)

Dell Support e-mail addresses
• mobile_support@us.dell.com
• support@us.dell.com
• la-techsupport@dell.com (Latin America and Caribbean countries only)
• apsupport@dell.com (Asian/Pacific countries only)

Dell Marketing and Sales e-mail addresses
• apmarketing@dell.com (Asian/Pacific countries only)
• sales_canada@dell.com (Canada only)

Anonymous file transfer protocol (FTP)
• ftp.dell.com
Log in as user: anonymous, and use your e-mail address as your password.
Automated Order-Status Service

To check on the status of any Dell products that you have ordered, you can go to support.dell.com, or you can call the automated order-status service. A recording prompts you for the information needed to locate and report on your order. For the telephone number to call your region, see “Contacting Dell” on page 64.

If you have a problem with your order, such as missing parts, wrong parts, or incorrect billing, contact Dell for customer assistance. Have your invoice or packing slip handy when you call. For the telephone number to call your region, see “Contacting Dell” on page 64.

Product Information

If you need information about additional products available from Dell, or if you would like to place an order, visit www.dell.com. For the telephone number to call your region or to speak to a sales specialist, see “Contacting Dell” on page 64.
Getting Help

Returning Items for Repair Under Warranty or for Credit

Prepare all items being returned, whether for repair or credit, as follows:

**NOTE:** Before you return the product to Dell, make sure to back up any data on the hard drive(s) and on any other storage device in the product. Remove any and all confidential, proprietary and personal information, as well as removable media, such as CDs and PC Cards. Dell is not responsible for any of your confidential, proprietary or personal information; lost or corrupted data; or damaged or lost removable media that may be included with your return.

1. Call Dell to obtain a Return Material Authorization Number, and write it clearly and prominently on the outside of the box. For the telephone number to call your region, see “Contacting Dell” on page 64.

2. Include a copy of the invoice and a letter describing the reason for the return.

3. Include a copy of the Diagnostics Checklist (see “Diagnostic Checklist” on page 63), indicating the tests that you have run and any error messages reported by the Dell Diagnostics (see “Dell Diagnostics” on page 64).

4. Include any accessories that belong with the item(s) being returned (power cables, software, guides, and so on) if the return is for credit.
5. Pack the equipment to be returned in the original (or equivalent) packing materials.

**NOTE:** You are responsible for paying shipping expenses. You are also responsible for insuring any product returned, and you assume the risk of loss during shipment to Dell. Collect On Delivery (C.O.D.) packages are not accepted.

**NOTE:** Returns that are missing any of the preceding requirements will be refused at Dell’s receiving dock and returned to you.
Getting Help

Before You Call

NOTE: Have your Express Service Code ready when you call. The code helps Dell’s automated-support telephone system direct your call more efficiently. You may also be asked for your Service Tag.

Locating Your Service Tag

The Service Tag is located on a label at the bottom of your computer.
Remember to fill out the following Diagnostic Checklist. If possible, turn on your computer before you call Dell for assistance and call from a telephone at or near the computer. You may be asked to type some commands at the keyboard, relay detailed information during operations, or try other troubleshooting steps possible only at the computer itself. Ensure that the computer documentation is available.

**Diagnostic Checklist**

- Name:
- Date:
- Address:
- Phone number:
- Service Tag (bar code on the back or bottom of the computer):
- Express Service Code:

- Return Material Authorization Number (if provided by Dell support technician):
- Operating system and version:
- Devices:
- Expansion cards:
- Are you connected to a network? Yes/No
- Network, version, and network adapter:
- Programs and versions:

See your operating system documentation to determine the contents of the computer’s start-up files. If the computer is connected to a printer, print each file. Otherwise, record the contents of each file before calling Dell.

- Error message, beep code, or diagnostic code:
- Description of problem and troubleshooting procedures you performed:
Getting Help

Contacting Dell

For customers in the United States, call 800-WWW-DELL (800-999-3355).

**NOTE:** If you do not have an active Internet connection, you can find contact information on your purchase invoice, packing slip, bill, or Dell product catalog.

Dell provides several online and telephone-based support and service options. Availability varies by country and product, and some services may not be available in your area.

To contact Dell for sales, technical support, or customer service issues:

2. Select your country or region.
3. Select the appropriate service or support link based on your requirement.
4. Choose the method of contacting Dell that is convenient for you.
Getting Help
# Finding More Information and Resources

<table>
<thead>
<tr>
<th>If you need to:</th>
<th>See:</th>
</tr>
</thead>
<tbody>
<tr>
<td>reinstall your operating system.</td>
<td>the <em>Operating System</em> disc</td>
</tr>
<tr>
<td>run a diagnostic program for your computer, reinstall notebook system software,</td>
<td>the <em>Drivers and Utilities</em> disc</td>
</tr>
<tr>
<td>update drivers for your computer, and readme files</td>
<td>✏️ <strong>NOTE:</strong> Drivers and documentation updates can be found at <a href="http://support.dell.com">support.dell.com</a></td>
</tr>
<tr>
<td>learn more about your operating system, maintaining peripherals, Internet,</td>
<td>the <em>Dell Technology Guide</em> available on your hard drive or at <a href="http://support.dell.com/manuals">support.dell.com/manuals</a></td>
</tr>
<tr>
<td>Bluetooth®, networking, and e-mail</td>
<td>✏️ <strong>NOTE:</strong> In some countries, opening and replacing parts of your computer may void your warranty. Check your warranty and return policies before working inside your computer.</td>
</tr>
<tr>
<td>upgrade your computer with new or additional memory, or a new hard drive</td>
<td>the <em>Service Manual</em> at <a href="http://support.dell.com/manuals">support.dell.com/manuals</a></td>
</tr>
<tr>
<td>reinstall or replace a worn or defective part</td>
<td></td>
</tr>
</tbody>
</table>
### Finding More Information and Resources

<table>
<thead>
<tr>
<th><strong>If you need to:</strong></th>
<th><strong>See:</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>find safety best practices information for your computer review Warranty information, Terms and Conditions (U.S. only), Safety instructions, Regulatory information, Ergonomics information, and End User License Agreement</td>
<td>the safety and regulatory documents that shipped with your computer and also see the Regulatory Compliance Homepage at <a href="http://www.dell.com/regulatory_compliance">www.dell.com/regulatory_compliance</a></td>
</tr>
<tr>
<td>find your Service tag/Express Service Code — You must use the service tag to identify your computer on support.dell.com or to contact technical support</td>
<td>the bottom of your computer the <strong>Dell Support Center</strong>. To launch the <strong>Dell Support Center</strong>, click the icon in the task bar</td>
</tr>
<tr>
<td>find drivers and downloads access technical support and product help check on your order status for new purchases find solutions and answers to common questions locate information for last-minute updates about technical changes to your computer or advanced technical-reference material for technicians or experienced users</td>
<td><a href="http://support.dell.com">support.dell.com</a></td>
</tr>
</tbody>
</table>
Basic Specifications

This section provides information that you may need when setting up, updating drivers for, and upgrading your computer. For more detailed specifications, see the Comprehensive Specifications at support.dell.com/manuals.

NOTE: Offerings may vary by region. For more information regarding the configuration of your computer, click Start→ Help and Support and select the option to view information about your computer.

<table>
<thead>
<tr>
<th>Computer Model</th>
<th>Memory</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dell™ Inspiron™ 1012</td>
<td>Memory module connector one user accessible SODIMM connector</td>
</tr>
<tr>
<td></td>
<td>Memory module capacities 1 GB and 2 GB</td>
</tr>
<tr>
<td></td>
<td>Memory configurations possible 1 GB and 2 GB</td>
</tr>
<tr>
<td></td>
<td>Memory type 800 MHz DDR2 SODIMM (runs at 667 MHz)</td>
</tr>
</tbody>
</table>

**Computer Information**

- Processor types: Intel® Atom™ single core
- System chipset: Intel NM10 Express
<table>
<thead>
<tr>
<th>Connectors</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Audio</td>
<td>one microphone-in connector, one stereo headphone/speaker connector</td>
</tr>
<tr>
<td>Mini-Card</td>
<td>one full Mini-Card slot and two half Mini-Card slots</td>
</tr>
<tr>
<td>Network adapter</td>
<td>RJ45 connector</td>
</tr>
<tr>
<td>USB</td>
<td>three 4-pin USB 2.0-compliant connectors</td>
</tr>
<tr>
<td>VGA</td>
<td>15-hole connector</td>
</tr>
<tr>
<td>Antenna in</td>
<td>MCX connector</td>
</tr>
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</table>

<table>
<thead>
<tr>
<th>Communications</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Modem (optional)</td>
<td>External V.92 56K USB Modem</td>
</tr>
<tr>
<td>Network adapter</td>
<td>10/100 Ethernet LAN on system board</td>
</tr>
<tr>
<td>Wireless</td>
<td>Bluetooth® wireless technology, WLAN, WWAN/GPS, WiMax,</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Camera</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Camera resolution</td>
<td>1.3 megapixel</td>
</tr>
<tr>
<td>Video resolution</td>
<td>640 x 480 at 30 fps (maximum)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Display</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Type</td>
<td>10.1” WSVGA Truelife</td>
</tr>
<tr>
<td></td>
<td>1024 x 600 WLED</td>
</tr>
<tr>
<td></td>
<td>10.1” HD Truelife</td>
</tr>
<tr>
<td></td>
<td>1366 x 768 WLED</td>
</tr>
</tbody>
</table>
## Basic Specifications

### Display

<table>
<thead>
<tr>
<th>Dimensions:</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Height</td>
<td>222.72 mm (8.77 inches)</td>
</tr>
<tr>
<td>Width</td>
<td>125.28 mm (4.93 inches)</td>
</tr>
<tr>
<td>Diagonal</td>
<td>255.52 mm (10.10 inches)</td>
</tr>
</tbody>
</table>

### Battery

3/6-cell “smart” lithium ion

<table>
<thead>
<tr>
<th>Dimensions:</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Depth</td>
<td>60.62 mm (2.39 inches)</td>
</tr>
<tr>
<td>Height</td>
<td>22.56 mm (0.89 inches)</td>
</tr>
<tr>
<td>Width</td>
<td>206 mm (8.11 inches)</td>
</tr>
<tr>
<td>Weight</td>
<td>0.22 kg (0.48 lb) (3-cell)</td>
</tr>
<tr>
<td></td>
<td>0.38 kg (0.84 lb) (6-cell)</td>
</tr>
<tr>
<td>Voltage</td>
<td>11.1 VDC (3/6-cell)</td>
</tr>
</tbody>
</table>

### Battery

Charge time when the computer is powered off (approximate):

| Operating time | 4.0 hours (3/6-cell) |

Operating time varies depending on operating conditions

Coin-cell battery: CR-2032

### AC Adapter

<table>
<thead>
<tr>
<th>Input voltage</th>
<th>100–240 VAC</th>
</tr>
</thead>
<tbody>
<tr>
<td>Input current</td>
<td>0.8 A or 1.0 A</td>
</tr>
<tr>
<td>Input frequency</td>
<td>50–60 Hz</td>
</tr>
<tr>
<td>Output power</td>
<td>30 W</td>
</tr>
<tr>
<td>Output current</td>
<td>1.58 A</td>
</tr>
<tr>
<td>Rated output voltage</td>
<td>19.0 VDC</td>
</tr>
</tbody>
</table>
## Basic Specifications

### AC Adapter

<table>
<thead>
<tr>
<th>Temperature range:</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Operating</strong></td>
</tr>
<tr>
<td>0° to 40°C (32° to 104°F)</td>
</tr>
<tr>
<td><strong>Storage</strong></td>
</tr>
<tr>
<td>–40° to 70°C (–40° to 158°F)</td>
</tr>
</tbody>
</table>

### Physical

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Height</strong></td>
<td>25.5 mm to 32.8 mm (0.98 inches to 1.29 inches)</td>
</tr>
<tr>
<td><strong>Width</strong></td>
<td>268 mm (10.6 inches)</td>
</tr>
<tr>
<td><strong>Depth</strong></td>
<td>196.6 mm (7.74 inches)</td>
</tr>
<tr>
<td><strong>Weight (with 3-cell battery):</strong></td>
<td>Configurable to less than 1.25 kg (2.75 lbs)</td>
</tr>
</tbody>
</table>

### Computer Environment

<table>
<thead>
<tr>
<th>Temperature range:</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Operating</strong></td>
</tr>
<tr>
<td>0° to 35°C (32° to 95°F)</td>
</tr>
<tr>
<td><strong>Storage</strong></td>
</tr>
<tr>
<td>–40° to 65°C (–40° to 149°F)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Relative humidity (maximum):</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Operating</strong></td>
</tr>
<tr>
<td>10% to 90% (noncondensing)</td>
</tr>
<tr>
<td><strong>Storage</strong></td>
</tr>
<tr>
<td>5% to 95% (noncondensing)</td>
</tr>
</tbody>
</table>
## Basic Specifications

### Computer Environment

<table>
<thead>
<tr>
<th></th>
<th>Maximum vibration (using a random vibration spectrum that simulates user environment):</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Operating</td>
</tr>
</tbody>
</table>

Maximum shock (for operating — measured with Dell Diagnostics running on the hard drive and a 2-ms half-sine pulse; for non-operating — measured with hard drive in head-parked position and a 2-ms half-sine pulse):

|                        | Operating | 110 G | Non-operating | 160 G |

Altitude (maximum):

<table>
<thead>
<tr>
<th></th>
<th>Operating</th>
<th>−15.2 to 3048 m</th>
<th>Storage</th>
<th>−15.2 to 10,668 m</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>(−50 to 10,000 ft)</td>
<td>(−50 to 35,000 ft)</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Airborne contaminant level: G2 or lower as defined by ISA-S71.04-1985
Appendix

Macrovision Product Notice

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Appendix

Information for NOM, or Official Mexican Standard (Only for Mexico)

The following information is provided in the device(s) described in this document in accordance with the requirements of the Official Mexican Standard (NOM):

**Importer:**
Dell México S.A. de C.V.
Paseo de la Reforma 2620 – Flat 11°
Col. Lomas Altas
11950 México, D.F.

<table>
<thead>
<tr>
<th>Regulatory model number</th>
<th>Voltage</th>
<th>Frequency</th>
<th>Electricity consumption</th>
<th>Output voltage</th>
<th>Output intensity</th>
</tr>
</thead>
<tbody>
<tr>
<td>P04T</td>
<td>100-240 VAC</td>
<td>50-60 Hz</td>
<td>0.8 A or 1.0 A</td>
<td>19.0 VDC</td>
<td>1.58 A</td>
</tr>
</tbody>
</table>

For details, read the safety information that shipped with your computer.

For additional safety best practices information, see the Regulatory Compliance Homepage at www.dell.com/regulatory_compliance.
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