



## Manuals

[Back to Contents Page](#)

## Appendix

### Dell™ XPS™ 720 Owner's Manual

- Specifications
- System Setup
- Clearing Forgotten Passwords
- Clearing CMOS Settings
- Cleaning Your Computer
- FCC Notices (U.S. Only)
- Contacting Dell

## Specifications

Processor	
Processor type	Intel® Core™ 2 Duo (dual-core processor)  Intel® Core™ 2 Extreme (dual-core processor)  Intel® Core™ 2 Extreme (quad-core processor)
Cache	at least 1 MB

Memory	
Type	800, and 667-MHz DDR2 unbuffered SDRAM; SLI memory
Memory connectors	four
Memory capacities	512 MB, 1 GB, or 2 GB non-ECC
Minimum memory	1 GB
Maximum memory	8 GB  <b>NOTE:</b> See <a href="#">Addressing Memory Configurations</a> to verify the amount of memory available to the operating system.

Computer Information	
Chipset	NVIDIA nForce 680i SLI
Northbridge	C55XE
Southbridge	MCP55PXE
DMA channels	five
Interrupt levels	24
BIOS chip (NVRAM)	4 Mb
NIC	integrated network interface capable of 10/100/1000 communication

Video	
Type	PCI Express

Audio	



Type	HDA 7.1 channel
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Expansion Bus	
Bus type	PCI Express x1 and x16
	PCI 32-bit
PCI (SLOT3, SLOT5, SLOT6)	
Connector	three
Connector size	124 pins
Connector data width (maximum)	32 bits
Bus speed	33 MHz
PCI Express (SLOT1)	<b>NOTE:</b> If a graphics card is installed in each of the PCI Express x16 card slots in the dual-graphics configuration, the PCI Express x1 card slot is not accessible for use.
Connector	one x1
Connector size	36 pins
Connector data width (maximum)	1 PCI Express lane
Bus throughput	x1 slot bidirectional speed — 2.5 Gbps
PCI Express (SLOT7)	
Connector	one x16
Connector size	164 pins
Connector data width (maximum)	8 PCI Express lanes
Bus throughput	x16 slot bidirectional speed — 20 Gbps
PCI Express (SLOT2, SLOT4)	
Connector	two x16
Connector size	164 pins
Connector data width (maximum)	16 PCI Express lanes
Bus throughput	x16 slot bidirectional speed — 40 Gbps

Drives	
Available devices	<b>Serial ATA drive, floppy drive, memory devices, Blu-ray™ Disc drive, DVD drive, DVD-RW drive, CD-RW/DVD combo drive, and media card reader</b>
Externally accessible:	two 3.5-inch drive bays four 5.25-inch drive bays
Internally accessible:	four 3.5-inch drive bays for hard drives

Connectors	
External connectors:	
IEEE 1394	front and back-panel 6-pin serial connectors
Network adapter	RJ45 connector
PS/2 (keyboard and mouse)	two 6-pin mini-DIN
USB	two front-panel, six back-panel, and two internal USB 2.0-compliant connectors
System board connectors:	
IDE drive	one 40-pin connector
Serial ATA	six 7-pin connectors
Floppy drive	34-pin connector
Fan	three 5-pin connectors
Liquid cooling (optional)	one 12-pin connector
PCI	three 124-pin connectors
PCI Express x1	36-pin connector
PCI Express x16 (SLOT7); card length up to 17.8 cm (7 inches only)	164-pin connector
PCI Express x16	three 164-pin connectors



Controls and Lights	
Power control	push button
Power light	<p>green light — Blinking green in sleep state; solid green for power-on state.</p> <p>amber light — Blinking amber indicates a problem with an installed device; solid amber indicates an internal power problem.</p>
Hard-drive access light	green
Network activity light (front panel)	solid green indicates network connection
Link integrity light (on integrated network adapter)	<p>green light — A good connection exists between a 10-Mbps network and the computer.</p> <p>orange light — A good connection exists between a 100-Mbps network and the computer.</p> <p>yellow light — A good connection exists between a 1-GB (1000-Mbps) network and the computer.</p> <p>off (no light) — The computer is not detecting a physical connection to the network.</p>
Activity light (on integrated network adapter)	yellow blinking light when there is activity on the network; if there is not any network activity, the light will be off
Diagnostic lights	four lights on the front panel (see <a href="#">Diagnostic Lights</a> )
Standby power light	AUXPWR on the system board
Front panel LEDs	<p>eight multi-colored LEDs provide illumination for the front of the computer</p> <p><b>NOTE:</b> The color of the front panel LEDs can be adjusted in system setup (see <a href="#">System Setup</a>).</p>
Back panel LEDs	<p>two multi-colored lights provide illumination for the I/O panel on the back of the computer</p> <p><b>NOTE:</b> The color of the back panel LEDs can be adjusted in system setup (see <a href="#">System Setup</a>).</p>

Power	
DC power supply:	<b>CAUTION: To reduce the risk of fire, electric shock, or injury, do not overload an electrical outlet, power strip, or convenience receptacle. The total ampere rating of all products plugged into an electrical outlet, power strip, or other receptacle should not exceed 80 percent of the branch circuit rating.</b>
Wattage	750 W or 1 kW
Voltage (see the safety instructions located in the <i>Product Information Guide</i> )	auto-sensing power supply—90 V to 265 V at 50/60 Hz
Backup battery	3-V CR2032 lithium coin cell

Physical	
Height	
Without stand	55.5 cm (21.9 inches)
With stand	57.2 cm (22.5 inches)
Width	
Without stand	21.9 cm (8.6 inches)
With stand	35.6 cm (14.0 inches)
Depth	59.4 cm (23.4 inches)
Weight	
Typical configuration	21.7 kg (47.8 lb)
Maximum configuration	25.6 kg (56.4 lb)



Environmental	
Temperature:	
Operating	10° to 35°C (50° to 95°F)
Storage	-40° to 65°C (-40° to 149°F)
Relative humidity	20% to 80% (noncondensing)
Maximum vibration:	
Operating	0.25 G at 3 to 200 Hz at 0.5 octave/min
Storage	0.5 G at 3 to 200 Hz at 1 octave/min
Maximum shock:	
Operating	bottom half-sine pulse with a change in velocity of 20 inches/sec (50.8 cm/sec)
Storage	27-G faired square wave with a velocity change of 200 inches/sec (508 cm/sec)
Altitude:	
Operating	-15.2 to 3048 m (-50 to 10,000 ft)
Storage	-15.2 to 10,668 m (-50 to 35,000 ft)

## System Setup

### Overview

Use system setup as follows:

- To change the system configuration information after you add, change, or remove any hardware in your computer
- To set or change a user-selectable option such as the user password
- To read the current amount of memory or set the type of hard drive installed

Before you use system setup, it is recommended that you write down the system setup screen information for future reference.



**NOTICE:** Do not change the settings in system setup unless you are an expert computer user. Certain changes can cause your computer to work incorrectly.

### Entering System Setup

1. Turn on (or restart) your computer.
2. When the DELL logo appears, press <F2> immediately.



**NOTE:** Keyboard failure may result when a key on the keyboard is held down for extended periods of time. To avoid possible keyboard failure, press and release <F2> in even intervals until the system setup screen appears.

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.


### System Setup Screens

The system setup screen displays current or changeable configuration information for your computer. Information on the screen is divided into three areas: the options list, the active options field, and key functions.

<p><b>Options List</b> — This field appears on the left side of the system setup window. The field is a scrollable list containing features that define the configuration of your computer, including installed hardware, power conservation, and security features.</p> <p>Scroll up and down the list with the up- and down-arrow keys. As an option is highlighted, the <b>Options Field</b> displays more information about that option and the option's current and available settings.</p>	<p><b>Options Field</b> — This field appears on the right side of the system setup window and contains information about each option listed in the <b>Options List</b>. In this field you can view information about your computer and make changes to your current settings.</p> <p>Press the left- and right-arrow keys to highlight an option. Press &lt;Enter&gt; to make that selection active and return to the <b>Options List</b>.</p> <p><b>NOTE:</b> Not all settings listed in the Options Field are changeable.</p> <p><b>Key Functions</b> — This field appears below the <b>Options Field</b> and lists keys and their functions within the active system setup field.</p>
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### System Setup Options



 **NOTE:** Depending on your computer and installed devices, the items listed in this section may not appear, or may not appear exactly as listed.

<b>System</b>	
System Info	Lists system information, such as the computer name, the BIOS version number and date, the system service tag, express service code and asset tag, and other system-specific information.
Processor Info	Identifies the processor type, clock speed, bus speed, L2 cache, L3 cache, ID, and whether the processor is multiple core capable, supports Hyper-Threading and supports 64-bit technology.
Memory Info	Identifies the memory type, speed, and channel mode (dual or single) by DIMM slot location.
PCI Info	Indicates the expansion card type by slot location.
Date/Time	Displays current date and time settings.
Boot Sequence	<p>The computer attempts to boot from the sequence of devices specified in this list.</p> <p><b>NOTE:</b> If you insert a boot device and restart the computer, this option appears in the system setup menu. To boot from a USB memory device, for example, select the USB device and move it so that it becomes the first device in the boot sequence.</p>

<b>Drives</b>	
Diskette Drive ( <b>Internal</b> default)	<p>Enables and disables the floppy drive attached to the DSKT connector on the system board and sets read permissions for the drive.</p> <ul style="list-style-type: none"> <li>• <b>Off</b> — All floppy drives are disabled.</li> <li>• <b>USB</b> — USB floppy drives are enabled</li> <li>• <b>Internal</b> — The integrated floppy drive is enabled.</li> <li>• <b>Read Only</b> — The integrated floppy drive is enabled with read-only access.</li> </ul> <p><b>NOTE:</b> Operating systems with USB support will recognize USB floppy drives regardless of this setting.</p>
SATA Drives 0 through 5 ( <b>On</b> default)	<p>Enables or disables drives attached to the SATA connectors on the system board.</p> <ul style="list-style-type: none"> <li>• <b>Off</b> — A device attached to the interface is not usable.</li> <li>• <b>On</b> — A device attached to the interface is usable.</li> <li>• <b>RAID On</b> - A device attached to the interface is configured for RAID (see <a href="#">About Your RAID Configuration</a>).</li> </ul>
PATA Drives 0 through 1 ( <b>On</b> default)	<p>Enables or disables drives attached to the ATA connectors on the system board, and lists the controller details.</p> <ul style="list-style-type: none"> <li>• <b>Off</b> — A device attached to the interface is not usable.</li> <li>• <b>On</b> — A device attached to the interface is usable.</li> </ul>
SMART Reporting ( <b>Off</b> default)	<p>Determines whether hard-drive errors for internal drives are reported during system startup.</p> <ul style="list-style-type: none"> <li>• <b>Off</b> — Errors are not reported.</li> <li>• <b>On</b> — Errors are reported.</li> </ul>

<b>Onboard Devices</b>	
Integrated NIC ( <b>On</b> default)	<p>Enables or disables the integrated network interface controller (NIC).</p> <ul style="list-style-type: none"> <li>• <b>Off</b> — The integrated NIC is disabled.</li> </ul>



	<ul style="list-style-type: none"> <li>• <b>On</b> — The integrated NIC is enabled.</li> <li>• <b>On w/PXE</b> — The integrated NIC is on (with PXE enabled).</li> </ul> <p><b>NOTE:</b> PXE is required only if you are booting to an operating system located on another computer. If a boot routine is not available from the remote system, the computer attempts to boot from the next device listed in the boot sequence.</p>
Integrated Audio ( <b>On</b> default)	<p>Enables or disables the onboard audio controller.</p> <ul style="list-style-type: none"> <li>• <b>Off</b> — Integrated audio is disabled.</li> <li>• <b>On</b> — Integrated audio is enabled.</li> </ul>
USB Controller ( <b>On</b> default)	<p>Enables or disables the internal USB controller.</p> <ul style="list-style-type: none"> <li>• <b>Off</b> — The USB controller is disabled.</li> <li>• <b>On</b> — The USB controller is enabled.</li> <li>• <b>No Boot</b> — The USB controller is enabled; however, the BIOS will not recognize USB storage devices.</li> </ul> <p><b>NOTE:</b> Operating systems with USB support will recognize USB storage devices regardless of the <b>No Boot</b> setting.</p>
1394 Controller ( <b>On</b> default)	<p>Enables or disables the integrated IEEE 1394 controller.</p> <ul style="list-style-type: none"> <li>• <b>Off</b> — The 1394 controller is disabled.</li> <li>• <b>On</b> — The 1394 controller is enabled.</li> </ul>
PS/2 Mouse Port ( <b>On</b> default)	<p>Enables or disables the onboard PS/2-compatible mouse controller.</p> <ul style="list-style-type: none"> <li>• <b>Off</b> — The PS/2 legacy mouse port is disabled.</li> <li>• <b>On</b> — The PS/2 legacy mouse port is enabled.</li> </ul>

LED Control	
Front Upper LED	Adjusts the color of the upper front panel LEDs (see <a href="#">Front and Back View of the Computer</a> ).
Front Lower LED	Adjusts the color of the lower front panel LEDs (see <a href="#">Front and Back View of the Computer</a> ).
Rear Panel LED	Adjusts the color of the rear panel LEDs (see <a href="#">Front and Back View of the Computer</a> ).
LED Intensity	Adjusts the intensity for the color of the upper and lower front panel LEDs and the rear panel LEDs.

Performance	
Multiple CPU Core ( <b>On</b> default)	<p>Specifies whether the processor has more than one core enabled.</p> <ul style="list-style-type: none"> <li>• <b>Off</b> — Multiple CPU core technology is disabled.</li> <li>• <b>On</b> — Multiple CPU core technology is enabled.</li> </ul> <p><b>NOTE:</b> The performance of some applications may improve with an additional core enabled.</p>
Advanced	Displays processor type and current BIOS settings for processor clock speed, processor multiplier, front side bus (FSB) clock, and CPU core voltage. These settings may have been set by performance tuning applications or may change depending on settings in performance applications that you have installed.



	<p>For systems with Intel Extreme processors, the following fields are adjustable through the BIOS:</p> <ul style="list-style-type: none"> <li>• <b>Processor Clock Speed:</b> Adjusts the multiplier of the processor. For processors that cannot be overclocked, this field reports the current settings and cannot be changed.</li> <li>• <b>Performance Application Support:</b> Enables software applications to display and modify key system parameters to tune system performance. These applications are not installed or supported by Dell. The default is Off.</li> </ul> <p><b>NOTE:</b> To enable overclocking of other system components, you first need to enable the Performance Application Support option in BIOS and then download an application like NVIDIA nTune version 5.0 or higher.</p> <p><b>NOTE:</b> Pressing &lt;Alt&gt;&lt;F&gt; returns your system to the factory defaults including RAID settings.</p>
SpeedStep (Off default)	<p>Specifies whether Enhanced Intel SpeedStep® technology is enabled for all supported processors in the system.</p> <ul style="list-style-type: none"> <li>• <b>Off</b> — Disable Enhanced SpeedStep technology</li> <li>• <b>On</b> — Enable Enhanced SpeedStep technology</li> </ul>
Virtualization (Off default)	<p>Specifies whether a virtual machine monitor (VMM) can utilize the additional hardware capabilities provided by Intel Virtualization Technology</p> <ul style="list-style-type: none"> <li>• <b>Off</b> — Disable Virtualization Technology</li> <li>• <b>On</b> — Enable Virtualization Technology</li> </ul>
HDD Acoustic Mode ( <b>Bypass</b> default)	<p>Determines the acoustic mode at which the hard drive operates.</p> <ul style="list-style-type: none"> <li>• <b>Bypass</b> — Do nothing (needed for older drives).</li> <li>• <b>Quiet</b> — The hard drive operates at a slower, but quieter speed.</li> <li>• <b>Suggested</b> — Allow the hard drive manufacturer to select the mode.</li> <li>• <b>Performance</b> — The hard drive operates at a faster, but possibly noisier speed.</li> </ul> <p><b>NOTE:</b> Switching to performance mode may cause an increase in noise produced by the drive, but does not affect the drive's performance.</p> <p><b>NOTE:</b> Changing the acoustics setting does not alter your hard drive image.</p>

Security	
Admin Password ( <b>Not Set</b> default)	Used to prohibit an unauthorized user from changing any configuration settings in the system setup.
System Password ( <b>Not Set</b> default)	Used to prohibit an unauthorized user from booting to the operating system.
Password Changes ( <b>Unlocked</b> default)	<p>This option locks the system password field with the administrator (admin) password.</p> <p><b>NOTE:</b> When the system password field is locked, you can no longer disable password security by pressing &lt;Ctrl&gt;&lt;Enter&gt; when the computer starts.</p>
Execute Disable ( <b>On</b> default)	<p>Enables or disables Execute Disable Memory Protection technology.</p> <ul style="list-style-type: none"> <li>• <b>Off</b> — Execute Disable Memory</li> </ul>



	Protection technology is disabled. <ul style="list-style-type: none"> <li>• <b>On</b> — Execute Disable Memory Protection technology is enabled.</li> </ul>
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Power Management	
AC Recovery  ( <b>Off</b> default)	Specifies how the computer will behave when AC power is restored after an AC power loss. <ul style="list-style-type: none"> <li>• <b>Off</b> — The system stays off after AC power is restored.</li> <li>• <b>On</b> — The system powers on after AC power is restored.</li> <li>• <b>Last</b> — The system returns to the previous state after AC power is restored.</li> </ul>
Auto Power On  ( <b>Off</b> default)	Disables or selects when to automatically turn on the computer. <ul style="list-style-type: none"> <li>• <b>Off</b> — Do not use the <b>Auto Power Time</b>.</li> <li>• <b>Everyday</b> — Turn the computer on every day at the time set in <b>Auto Power Time</b>.</li> <li>• <b>Weekdays</b> — Turn the computer on Monday through Friday at the time set in <b>Auto Power Time</b>.</li> </ul> <p><b>NOTE:</b> This feature does not work if you turn off your computer using a power strip or surge protector.</p>
Auto Power Time	Specifies the time to automatically turn on the computer. <p>Change the time to automatically turn on the computer by pressing the up- or down-arrow key to increase or decrease the numbers, or type the numbers in the appropriate time field.</p> <p><b>NOTE:</b> This feature does not work if you turn off your computer using a power strip or surge protector.</p>
Low Power Mode  ( <b>Off</b> default)	Specifies how aggressive the system is at conserving power while in hibernate mode or turned off. <ul style="list-style-type: none"> <li>• <b>Off</b> — Add more functionality.</li> <li>• <b>On</b> — Conserve more power.</li> </ul>
Suspend Mode  ( <b>S3</b> default)	Specifies the power management suspend mode. <ul style="list-style-type: none"> <li>• <b>S1</b> — The computer resumes more quickly from sleep mode.</li> <li>• <b>S3</b> — The computer conserves more power when not in use (system memory remains active).</li> </ul>

Maintenance	
Service Tag	Displays the system service tag.
SERR Message  ( <b>On</b> default)	Controls the SERR message mechanism. Some graphics cards require that the SERR Message mechanism be disabled. <ul style="list-style-type: none"> <li>• <b>Off</b> — Do not use the SERR message mechanism.</li> <li>• <b>On</b> — Use the SERR message mechanism.</li> </ul>
Load Defaults	This setting restores the computer's factory-installed default settings. <ul style="list-style-type: none"> <li>• <b>Cancel</b> — Do not restore factory-installed default settings.</li> <li>• <b>Continue</b> — Restore factory-installed default settings.</li> </ul>
Event Log	Displays the system event log. <ul style="list-style-type: none"> <li>• <b>Mark all entries</b> — Mark all event log entries as read (R).</li> <li>• <b>Clear log</b> — Clear all event log entries.</li> </ul> <p><b>NOTE:</b> Once an event log entry is marked as read (R) that entry cannot</p>




	be marked as unread (U).
<b>POST Behavior</b>	
Fastboot ( <b>On</b> default)	Enables or disables the option to speed up the boot process by skipping some compatibility tests. <ul style="list-style-type: none"> <li>• <b>Off</b> — Do not skip any steps in the boot process.</li> <li>• <b>On</b> — Boot quickly.</li> </ul>
Numlock Key ( <b>On</b> default)	Enables or disables the numerical and mathematical features of the rightmost bank of keys on the keyboard. <ul style="list-style-type: none"> <li>• <b>Off</b> — Right keypad keys function as arrows.</li> <li>• <b>On</b> — Right keypad keys function as numbers.</li> </ul>
POST Hotkeys ( <b>Setup &amp; Boot Menu</b> default)	Specifies the function keys to display on the screen when the computer starts. <ul style="list-style-type: none"> <li>• <b>Setup &amp; Boot Menu</b> — Display both messages (F2=Setup and F12=Boot Menu).</li> <li>• <b>Setup</b> — Display the setup message only (F2=Setup).</li> <li>• <b>Boot Menu</b> — Display the <b>Quickboot</b> message only (F12=Boot Menu).</li> <li>• <b>None</b> — Neither message is displayed.</li> </ul>
Keyboard Errors ( <b>Report</b> default)	Enables or disables keyboard error reporting when the computer starts. <ul style="list-style-type: none"> <li>• <b>Report</b> — Display any keyboard errors.</li> <li>• <b>Do not report</b> — Do not display any keyboard errors.</li> </ul>


## Boot Sequence

This feature allows you to change the boot sequence for the bootable devices installed on your computer.

### Option Settings


- **Diskette Drive** — The computer attempts to boot from the floppy drive. If the floppy disk in the drive is not bootable, if no floppy disk is in the drive, or if there is no floppy drive installed in the computer, the computer attempts to boot from the next bootable device in the boot sequence.
- **Hard Drive** — The computer attempts to boot from the primary hard drive. If no operating system is on the drive, the computer attempts to boot from the next bootable device in the boot sequence.
- **CD Drive** — The computer attempts to boot from the CD drive. If no CD is in the drive, or if the CD has no operating system, the computer attempts to boot from the next bootable device in the boot sequence.
- **USB Flash Device** — Insert the memory device into a USB port and restart the computer. When **F12 = Boot Menu** appears in the upper-right corner of the screen, press <F12>. The BIOS detects the device and adds the USB flash option to the boot menu.

 **NOTE:** To boot to a USB device, the device must be bootable. To make sure that your device is bootable, check the device documentation.


 **NOTE:** An error message is generated only after the computer attempts to boot from every device in the boot sequence and no operating system is found.

### Changing Boot Sequence for the Current Boot

You can use this feature, for example, to tell the computer to boot from the CD drive so that you can run the Dell Diagnostics on the *Drivers and Utilities media*, but you want the computer to boot from the hard drive when the diagnostic tests are complete. You can also use this feature to restart your computer to a USB device such as a floppy drive, memory key, or CD-RW drive.

 **NOTE:** If you are booting to a USB floppy drive, you must first set the floppy drive to **OFF** in system setup (see [System Setup](#)).

1. If you are booting to a USB device, connect the USB device to a USB connector (see [Back View](#)).
2. Turn on (or restart) your computer.
3. When the DELL logo appears, press <F12> immediately.

 **NOTE:** Keyboard failure may result when a key on the keyboard is held down for extended periods of time. To avoid possible keyboard failure, press and release <F12> in even intervals until the **Boot Device Menu** appears.


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.


- At the **Boot Device Menu**, use the up- and down-arrow keys or press the appropriate number on the keyboard to highlight the device that is to be used for the current boot only, and then press <Enter>.

For example, if you are booting to a USB memory key, highlight **USB Flash Device** and press <Enter>.

 **NOTE:** To boot to a USB device, the device must be bootable. To make sure that your device is bootable, check the device documentation.

## Changing Boot Sequence for Future Boots


- Enter system setup (see [Entering System Setup](#)).
- Use the arrow keys to highlight the **Boot Sequence** menu option and press <Enter> to access the menu.

 **NOTE:** Write down your current boot sequence in case you want to restore it.

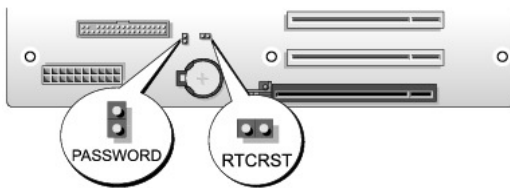
- Press the up- and down-arrow keys to move through the list of devices.
- Press the spacebar to enable or disable a device (enabled devices have a checkmark).
- Press plus (+) or minus (-) to move a selected device up or down the list.


## Clearing Forgotten Passwords

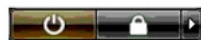
 **CAUTION:** Before you begin any of the procedures in this section, follow the safety instructions in the *Product Information Guide*.

 **NOTICE:** This process erases both the system and setup passwords


- Follow the procedures in [Before You Begin](#).
- Remove the computer cover (see [Removing the Computer Cover](#)).



- Locate the 2-pin password jumper (PASSWORD) on the system board (see [System Board Components](#)), then remove the jumper plug and set the plug aside.
- Close the computer cover.
- Connect your keyboard and mouse, then connect your computer and monitor to electrical outlets and turn them on.
- After the Microsoft® Windows® desktop appears on your computer, turn the computer off:
  - Save and close all open files and exit all open programs.
  - Shut down the operating system:
    - In Windows XP, click **Start→ Turn Off Computer→ Turn off**.
    - In Windows Vista, click **Start** , click the arrow in the lower-right corner of the Start menu as shown below, and then click **Shut Down**.



The computer turns off after the operating system shutdown process is complete.

 **NOTE:** Ensure that the computer is off and not in a power management mode. If you cannot shut down the computer using the operating system, press and hold the power button for 4 seconds.

- Disconnect the keyboard and mouse, then disconnect the computer and monitor from their electrical outlets.
- Press the power button on the computer to ground the system board.
- Open the computer cover (see [Removing the Computer Cover](#)).



- ➡ **NOTICE:** The password jumper plug must be reinstalled on the password jumper pins in order to enable the password feature.
10. Locate the 2-pin password jumper on the system board (see [System Board Components](#)), and then reinstall the jumper plug to enable the password feature.
  11. Replace the computer cover (see [Replacing the Computer Cover](#)).
- ➡ **NOTICE:** To connect a network cable, first plug the cable into the network wall jack and then plug it into the computer.
12. Connect your computer and devices to electrical outlets, and then turn them on.
- 🔧 **NOTE:** In system setup (see [Entering System Setup](#)), both system and administrator password options appear as **Not Set**. The password feature is enabled but a password is not assigned.
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## Clearing CMOS Settings

⚠ **CAUTION:** Before you begin any of the procedures in this section, follow the safety instructions in the *Product Information Guide*.

🔧 **NOTE:** This procedure does not clear or reset system and setup passwords.

1. Follow the procedures in [Before You Begin](#).
2. Remove the computer cover (see [Removing the Computer Cover](#)).
3. Locate the password (PASSWORD) and CMOS (RTCRST) jumpers on the system board (see [System Board Components](#)).
4. Remove the password jumper plug, then place the plug on the CMOS jumper pins and wait approximately 5 seconds.

➡ **NOTICE:** The password jumper plug must be reinstalled on the password jumper pins in order to enable the password feature.

5. Remove the jumper plug from the CMOS jumper pins, and then reinstall the plug on the password jumper pins to enable the password feature.
6. Close the computer cover (see [Replacing the Computer Cover](#)).

➡ **NOTICE:** To connect a network cable, first plug the cable into the network wall jack and then plug it into the computer.

7. Connect your computer and devices to electrical outlets, and then turn them on.
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## Cleaning Your Computer

⚠ **CAUTION:** Before you begin any of the procedures in this section, follow the safety instructions in the *Product Information Guide*.

### Computer, Keyboard, and Monitor

⚠ **CAUTION:** Before you clean your computer, disconnect the computer from the electrical outlet. Clean your computer with a soft cloth dampened with water. Do not use liquid or aerosol cleaners, which may contain flammable substances.

- Use a vacuum cleaner with a brush attachment to gently remove dust from the slots and holes on your computer and from between the keys on the keyboard.

➡ **NOTICE:** Do not wipe the display screen with any soap or alcohol solution. Doing so may damage the antiglare coating.

- To clean your monitor screen, lightly dampen a soft, clean cloth with water. If possible, use a special screen-cleaning tissue or solution suitable for the monitor's antistatic coating.
- Wipe the keyboard, computer, and plastic part of the monitor with a soft cleaning cloth moistened with water.

Do not soak the cloth or let water drip inside your computer or keyboard.

### Mouse


If your screen cursor skips or moves abnormally, clean the mouse. To clean a non-optical mouse:

1. Turn the retainer ring on the underside of your mouse counterclockwise, and then remove the ball.
2. Wipe the ball with a clean, lint-free cloth.




3. Blow carefully into the ball cage to dislodge dust and lint.
4. If the rollers inside the ball cage are dirty, clean the rollers with a cotton swab moistened lightly with isopropyl alcohol.
5. Recenter the rollers in their channels if they are misaligned. Ensure that fluff from the swab is not left on the rollers.
6. Replace the ball and retainer ring, and turn the retainer ring clockwise until it clicks into place.

## Floppy Drive

 **NOTICE:** Do not attempt to clean drive heads with a swab. The heads may become misaligned and prevent the drive from operating.


Clean your floppy drive using a commercially available cleaning kit. These kits contain pretreated floppy disks to remove contaminants that accumulate during normal operation.

## CDs and DVDs

 **NOTICE:** Always use compressed air to clean the lens in the optical drive, and follow the instructions that come with the compressed air. Never touch the lens in the drive.

If you notice problems, such as skipping, with the playback quality of your discs, try cleaning the discs.

1. Hold the disc by its outer edge. You can also touch the inside edge of the center hole.


 **NOTICE:** To prevent damaging the surface, do not wipe in a circular motion around the disc.

2. With a soft, lint-free cloth, gently wipe the bottom of the disc (the unlabeled side) in a straight line from the center to the outer edge of the disc.

For stubborn dirt, try using water or a diluted solution of water and mild soap. You can also purchase commercial products that clean discs and provide some protection from dust, fingerprints, and scratches. Cleaning products for CDs are safe to use on DVDs.

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## FCC Notices (U.S. Only)

Most Dell computer systems are classified by the Federal Communications Commission (FCC) as Class B digital devices. To determine which classification applies to your computer system, examine all FCC registration labels located on the bottom, side, or back panel of your computer, on card-mounting brackets, and on the cards themselves. If any one of the labels carries a Class A rating, your entire system is considered to be a Class A digital device. If *all* labels carry an FCC Class B rating as distinguished by either an FCC ID number or the FCC logo, () , your system is considered to be a Class B digital device.

Once you have determined your system's FCC classification, read the appropriate FCC notice. Note that FCC regulations provide that changes or modifications not expressly approved by Dell could void your authority to operate this equipment.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

1. This device may not cause harmful interference.
2. This device must accept any interference received, including interference that may cause undesired operation.

## Class A

This equipment has been tested and found to comply with the limits for a Class A digital device pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the manufacturer's instruction manual, may cause harmful interference with radio communications. Operation of this equipment in a residential area is likely to cause harmful interference, in which case you will be required to correct the interference at your own expense.

## Class B

This equipment has been tested and found to comply with the limits for a Class B digital device pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the manufacturer's instruction manual, may cause interference with radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, you are encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and the receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/television technician for help.



## FCC Identification Information

The following information is provided on the device or devices covered in this document in compliance with FCC regulations:

- Product name: Dell™ XPS™ 720
- Model number: DCDO


Company name:


Dell Inc.  
One Dell Way  
Round Rock, Texas 78682 USA  
512-338-4400

## Contacting Dell


You can contact Dell through the Internet and by phone:

- For support through the web, go to **support.dell.com**.
- For worldwide support through the web, use the **Choose A Country/Region** menu near the bottom of the page, or see the web addresses listed in the following table.
- For support by e-mail, see the e-mail addresses listed in the following table.

 **NOTE:** Toll-free numbers are for use within the country for which they are listed.

 **NOTE:** In certain countries, support specific to Dell™ XPS™ computers is available at a separate telephone number listed for participating countries. If you do not see a telephone number listed that is specific for XPS computers, you may contact Dell through the support number listed and your call will be routed appropriately.

- For support by phone, use the phone numbers and codes provided in the following table. If you need assistance in determining which codes to use, contact a local or an international operator.

 **NOTE:** The contact information provided was deemed correct at the time that this document went to print and is subject to change.

Country (City) International Access Code Country Code City Code	Service Type	Area Codes, Local Numbers, and Toll-Free Numbers Web and E-mail Address
<b>Anguilla</b>	Online Support	www.dell.com/ai
	E-mail Address	la-techsupport@dell.com
	Technical Support, Customer Service, Sales	toll-free: 800-335-0031
<b>Antigua and Barbuda</b>	Online Support	www.dell.com.ag la-techsupport@dell.com
	Technical Support, Customer Service, Sales	1-800-805-5924
<b>Aomen</b> Country Code: <b>853</b>	<b>Technical Support</b>	toll-free: 0800-105
	Customer Service (Xiamen, China)	34 160 910
	Transaction Sales (Xiamen, China)	29 693 115
<b>Argentina (Buenos Aires)</b> International Access Code: <b>00</b> Country Code: <b>54</b> City Code: <b>11</b>	Online Support	www.dell.com.ar
	E-mail for Desktops and Portables	la-techsupport@dell.com
	E-mail for Servers and EMC® Storage Products	la_enterprise@dell.com
	Customer Service	toll-free: 0-800-444-0730
	Technical Support – Dell PowerApp™, Dell PowerEdge™, Dell PowerConnect™, and Dell PowerVault™	toll-free: 0-800-222-0154
	Technical Support Services	toll-free: 0-800-444-0724
	Sales	0-810-444-3355
<b>Aruba</b>	Online Support	<b>www.dell.com.aw</b> la-techsupport@dell.com
	Technical Support, Customer Service, Sales	toll-free: 800-1578
<b>Australia (Sydney)</b>	Online Support	support.ap.dell.com support.ap.dell.com/contactus



International Access Code: <b>0011</b>  Country Code: <b>61</b>  City Code: <b>2</b>	<b>Technical Support</b>	
	Technical Support for XPS computers only	toll-free: 1300 790 877
	Home and Home Office	toll-free: 1300-655-533
	Medium and Large Business	toll-free: 1800-633-559
	Small Business, Education, Local Government	toll-free: 1800-060-889
	Customer Service	toll-free: 1300-662-196
<b>Austria (Vienna)</b>  International Access Code: <b>900</b>  Country Code: <b>43</b>  City Code: <b>1</b>	Online Support	<b>support.euro.dell.com</b>  tech_support_central_europe@dell.com
	Technical Support for XPS computers only	08 20 24 05 30 81
	Home/Small Business Sales	08 20 24 05 30 00
	Home/Small Business Fax	08 20 24 05 30 49
	Home/Small Business Customer Service	08 20 24 05 30 14
	Home/Small Business Support	08 20 24 05 30 17
	Preferred Accounts/Corporate Customer Service	08 20 24 05 30 16
	Preferred Accounts/Corporate Support	08 20 24 05 30 17
	Switchboard	08 20 24 05 30 00
<b>Bahamas</b>	Online Support	<b>www.dell.com/bs</b>  la-techsupport@dell.com
	Technical Support, Customer Service, Sales	toll-free: 1-866-874-3038
<b>Barbados</b>	Online Support	www.dell.com/bb  la-techsupport@dell.com
	Technical Support, Customer Service, Sales	1-800-534-3142
<b>Belgium (Brussels)</b>  International Access Code: <b>00</b>  Country Code: <b>32</b>  City Code: <b>2</b>	Online Support	<b>support.euro.dell.com</b>
	Technical Support for XPS computers only	02 481 92 96
	General Support	02 481 92 88
	General Support Fax	02 481 92 95
	Customer Service	02 713 15 65
	Corporate Sales	02 481 91 00
	Fax	02 481 92 99
	Switchboard	02 481 91 00
<b>Bermuda</b>	Online Support	www.dell.com/bm  la-techsupport@dell.com
	Technical Support, Customer Service, Sales	1-877-890-0751
<b>Bolivia</b>	Online Support	www.dell.com/bo  la-techsupport@dell.com
	Technical Support, Customer Service, Sales	toll-free: 800-10-0238
<b>Brazil</b>  International Access Code: <b>00</b>  Country Code: <b>55</b>  City Code: <b>51</b>	Online Support	<b>www.dell.com/br</b>  BR_TechSupport@dell.com
	Customer Service and Tech Support	0800 970 3355
	Technical Support Fax	51 2104 5470
	Customer Service Fax	51 2104 5480
	Sales	0800 970 3390
<b>British Virgin Islands</b>	Technical Support, Customer Service, Sales	toll-free: 1-866-278-6820
<b>Brunei</b>  Country Code: <b>673</b>	Technical Support (Penang, Malaysia)	604 633 4966
	Customer Service (Penang, Malaysia)	604 633 3101
		or toll-free: 801 1012
	Transaction Sales (Penang, Malaysia)	604 633 3101
		or toll-free: 801 1012
	Online Order Status	<b>www.dell.ca/ostatus</b>
	Online Support	support.ca.dell.com
	AutoTech (automated Hardware and	toll-free: 1-800-247-9362



<b>Canada (North York, Ontario)</b>  International Access Code: <b>011</b>	Warranty Support)	
	Customer Service	
	Home/Home Office	toll-free: 1-800-847-4096
	Small Business	toll-free: 1-800-906-3355
	Medium/Large Business, Government, Education	toll-free: 1-800-387-5757
	Hardware Warranty Phone Support	
	XPS Computers Only	toll-free: 1-866-398-8977
	Computers for Home/Home Office	toll-free: 1-800-847-4096
	Computers for Small/Medium/Large Business, Government	toll-free: 1-800-387-5757
	Printers, Projectors, Televisions, Handheld, Digital Jukebox, and Wireless	1-877-335-5767
	Sales	
	Home and Home Office Sales	toll-free: 1-800-999-3355
	Small Business	toll-free: 1-800-387-5752
	Medium/Large Business, Government	toll-free: 1-800-387-5755
	Spare Parts and Extended Service	1 866 440 3355
<b>Cayman Islands</b>	Online Support	la-techsupport@dell.com
	Technical Support, Customer Service, Sales	1-877-262-5415
<b>Chile (Santiago)</b>  Country Code: <b>56</b>  City Code: <b>2</b>	Online Support	<b>www.dell.com/cl</b>  la-techsupport@dell.com
	Sales and Customer Support	toll-free: 1230-020-3397  or 800-20-1385
<b>China (Xiamen)</b>  Country Code: <b>86</b>  City Code: <b>592</b>	Online Support	<b>support.dell.com.cn</b>
	Technical Support E-mail	support.dell.com.cn/email
	Customer Service E-mail	customer_cn@dell.com
	Technical Support Fax	592 818 1350
	Technical Support – XPS computers only	toll-free: 800 858 0540
	Technical Support – Dell™ Dimension™ and Dell Inspiron™	toll-free: 800 858 2969
	Technical Support – Dell OptiPlex™, Dell Latitude™, and Dell Precision™	toll-free: 800 858 0950
	Technical Support – Servers and Storage	toll-free: 800 858 0960
	Technical Support – Projectors, PDAs, Switches, Routers, etc.	toll-free: 800 858 2920
	Technical Support – Printers	toll-free: 800 858 2311
	Customer Service	toll-free: 800 858 2060
	Customer Service Fax	592 818 1308
	Home and Small Business	toll-free: 800 858 2222
	Preferred Accounts Division	toll-free: 800 858 2557
	Large Corporate Accounts GCP	toll-free: 800 858 2055
	Large Corporate Accounts Key Accounts	toll-free: 800 858 2628
	Large Corporate Accounts North	toll-free: 800 858 2999
	Large Corporate Accounts North Government and Education	toll-free: 800 858 2955
	Large Corporate Accounts East	toll-free: 800 858 2020
	Large Corporate Accounts East Government and Education	toll-free: 800 858 2669
	Large Corporate Accounts Queue Team	toll-free: 800 858 2572
	Large Corporate Accounts South	toll-free: 800 858 2355
	Large Corporate Accounts West	toll-free: 800 858 2811
	Large Corporate Accounts Spare Parts	toll-free: 800 858 2621
<b>Colombia</b>	Online Support	<b>www.dell.com/co</b>  la-techsupport@dell.com
	Technical Support, Customer Service, Sales	01-800-915-4755
<b>Costa Rica</b>	Online Support	<b>www.dell.com/cr</b>  la-techsupport@dell.com
	Technical Support, Customer Service,	



	Sales	0800-012-0231
<b>Czech Republic (Prague)</b>  International Access Code: <b>00</b>  Country Code: <b>420</b>	Online Support	<b>support.euro.dell.com</b> czech_dell@dell.com
	Technical Support	22537 2727
	Customer Service	22537 2707
	Fax	22537 2714
	Technical Fax	22537 2728
	Switchboard	22537 2711
<b>Denmark (Copenhagen)</b>  International Access Code: <b>00</b>  Country Code: <b>45</b>	Online Support	<b>support.euro.dell.com</b>
	Technical Support for XPS computers only	7010 0074
	Technical Support	7023 0182
	Customer Service – Relational	7023 0184
	Home/Small Business Customer Service	3287 5505
	Switchboard – Relational	3287 1200
	Switchboard Fax – Relational	3287 1201
	Switchboard – Home/Small Business	3287 5000
	Switchboard Fax – Home/Small Business	3287 5001
<b>Dominica</b>	Online Support	<b>www.dell.com/dm</b> la-techsupport@dell.com
	Technical Support, Customer Service, Sales	toll-free: 1-866-278-6821
<b>Dominican Republic</b>	Online Support	<b>www.dell.com/do</b> la-techsupport@dell.com
	Technical Support, Customer Service, Sales	1-800-156-1588
<b>Ecuador</b>	Online Support	<b>www.dell.com/ec</b> la-techsupport@dell.com
	Technical Support, Customer Service, Sales (calling from Quito)	toll-free: 999-119-877-655-3355
	Technical Support, Customer Service, Sales (calling from Guayaquil)	toll-free: 1800-999-119-877-655-3355
<b>El Salvador</b>	Online Support	<b>www.dell.com/sv</b> la-techsupport@dell.com
	Technical Support, Customer Service, Sales	800-6132
<b>Finland (Helsinki)</b>  International Access Code: <b>990</b>  Country Code: <b>358</b>  City Code: <b>9</b>	Online Support	<b>support.euro.dell.com</b> fi_support@dell.com
	Technical Support	0207 533 555
	Customer Service	0207 533 538
	Switchboard	0207 533 533
	Fax	0207 533 530
	Sales under 500 employees	0207 533 540
	Sales over 500 employees	0207 533 533
<b>France (Paris) (Montpellier)</b>  International Access Code: <b>00</b>  Country Code: <b>33</b>  City Codes: <b>(1) (4)</b>	Online Support	<b>support.euro.dell.com</b>
	Technical Support for XPS computers only	0825 387 129
	<b>Home and Small Business</b>	
	Technical Support	0825 387 270
	Customer Service	0825 823 833
	Switchboard	0825 004 700
	Switchboard (calls from outside of France)	04 99 75 40 00
	Sales	0825 004 700
	Fax	0825 004 701
	Fax (calls from outside of France)	04 99 75 40 01
	<b>Corporate</b>	
	Technical Support	0825 004 719
	Customer Service	0825 338 339
	Switchboard	01 55 94 71 00



	Sales	01 55 94 71 00
	Fax	01 55 94 71 01
<b>Germany (Frankfurt)</b>  International Access Code: <b>00</b>  Country Code: <b>49</b>  City Code: <b>69</b>	Online Support	<b>support.euro.dell.com</b> tech_support_central_europe@dell.com
	Technical Support for XPS computers only	069 9792 7222
	Technical Support	069 9792-7200
	Home/Small Business Customer Service	0180-5-224400
	Global Segment Customer Service	069 9792-7320
	Preferred Accounts Customer Service	069 9792-7320
	Large Accounts Customer Service	069 9792-7320
	Public Accounts Customer Service	069 9792-7320
	Switchboard	069 9792-7000
<b>Greece</b>  International Access Code: <b>00</b>  Country Code: <b>30</b>	Online Support	<b>support.euro.dell.com</b>
	Technical Support	00800-44 14 95 18
	Gold Service Technical Support	00800-44 14 00 83
	Switchboard	2108129810
	Gold Service Switchboard	2108129811
	Sales	2108129800
	Fax	2108129812
<b>Grenada</b>	Online Support	www.dell.com/gd la-techsupport@dell.com
	Technical Support, Customer Service, Sales	toll-free: 1-866-540-3355
<b>Guatemala</b>	Online Support	www.dell.com/gt la-techsupport@dell.com
	Technical Support, Customer Service, Sales	1-800-999-0136
<b>Guyana</b>	Online Support	la-techsupport@dell.com
	Technical Support, Customer Service, Sales	toll-free: 1-877-270-4609
<b>Hong Kong</b>  International Access Code: <b>001</b>  Country Code: <b>852</b>	Online Support	support.ap.dell.com support.dell.com.cn/email
	Technical Support – XPS computers only	00852-3416 6923
	Technical Support – Dimension and Inspiron	00852-2969 3188
	Technical Support – OptiPlex, Latitude, and Dell Precision	00852-2969 3191
	Technical Support – Servers and Storage	00852-2969 3196
	Technical Support – Projectors, PDAs, Switches, Routers, etc.	00852-3416 0906
	Customer Service	00852-3416 0910
	Large Corporate Accounts	00852-3416 0907
	Global Customer Programs	00852-3416 0908
	Medium Business Division	00852-3416 0912
	Home and Small Business Division	00852-2969 3105
<b>India</b>	Online Support	support.ap.dell.com
	<b>Portable and Desktop Support</b>	
	Desktop Support E-mail	india_support_desktop@dell.com
	Portable Support E-mail	india_support_notebook@dell.com
	Phone Numbers	080-25068032 or 080-25068034 or your city STD code + 60003355 or toll-free: 1-800-425-8045
	<b>Server Support</b>	
	E-mail	india_support_Server@dell.com
	Phone Numbers	080-25068032 or 080-25068034 or your city STD code + 60003355 or toll-free: 1800 425 8045
	<b>Gold Support Only</b>	
	E-mail	eec_ap@dell.com
	Phone Numbers	080-25068033 or your city STD code + 60003355 or toll-free: 1-800-425-9045



	<b>XPS Support Only</b>	
	E-mail	Indiavaxps_AP@dell.com
	Phone Numbers	080-25068066 or toll-free: 1-800-425-2066
	Customer Service	
	Home and Small Business	India_care_HSB@dell.com toll-free: 1800-4254051
	Large Corporate Accounts	India_care_REL@dell.com toll-free: 1800-4252067
	<b>Sales</b>	
	Large Corporate Accounts	1600 33 8044
	Home and Small Business	1600 33 8046
<b>Ireland (Cherrywood)</b>  International Access Code: <b>00</b>  Country Code: <b>353</b>  City Code: <b>1</b>	Online Support	<b>support.euro.dell.com</b> dell_direct_support@dell.com
	<b>Technical Support</b>	
	XPS computers only	1850 200 722
	<b>Business computers</b>	1850 543 543
	Home computers	1850 543 543
	At Home Support	1850 200 889
	<b>Sales</b>	
	Home	1850 333 200
	Small Business	1850 664 656
	Medium Business	1850 200 646
	Large Business	1850 200 646
	Sales E-mail	Dell_IRL_Outlet@dell.com
	<b>Customer Service</b>	
	Home and Small Business	01 204 4014
	Business (greater than 200 employees)	1850 200 982
	<b>General</b>	
	Fax/Sales Fax	01 204 0103
	Switchboard	01 204 4444
	U.K. Customer Service (dial within U.K. only)	0870 906 0010
	Corporate Customer Service (dial within U.K. only)	0870 907 4499
	U.K. Sales (dial within U.K. only)	0870 907 4000
<b>Italy (Milan)</b>  International Access Code: <b>00</b>  Country Code: <b>39</b>  City Code: <b>02</b>	Online Support	<b>support.euro.dell.com</b>
	<b>Home and Small Business</b>	
	Technical Support	02 577 826 90
	Customer Service	02 696 821 14
	Fax	02 696 821 13
	Switchboard	02 696 821 12
	<b>Corporate</b>	
	Technical Support	02 577 826 90
	Customer Service	02 577 825 55
	Fax	02 575 035 30
	Switchboard	02 577 821
<b>Jamaica</b>	Online Support	la-techsupport@dell.com
	Technical Support, Customer Service, Sales (dial from within Jamaica only)	1-800-440-9205
	Online Support	<b>support.jp.dell.com</b>
	Technical Support – XPS computers only	toll-free: 0120-937-786
	Technical Support outside of Japan – XPS computers only	81-44-520-1235
	Technical Support – Dimension and Inspiron	toll-free: 0120-198-226
	Technical Support outside of Japan – Dimension and Inspiron	81-44-520-1435
	Technical Support – Dell Precision, OptiPlex, and Latitude	toll-free: 0120-198-433



<b>Japan (Kawasaki)</b>  International Access Code: <b>001</b>  Country Code: <b>81</b>  City Code: <b>44</b>	Technical Support outside of Japan – Dell Precision, OptiPlex, and Latitude	81-44-556-3894
	Technical Support – Dell PowerApp, Dell PowerEdge, Dell PowerConnect, and Dell PowerVault	toll-free: 0120-198-498
	Technical Support outside of Japan – PowerApp, PowerEdge, PowerConnect, and PowerVault	81-44-556-4162
	Technical Support – Projectors, PDAs, Printers, Routers	toll-free: 0120-981-690
	Technical Support outside of Japan – Projectors, PDAs, Printers, Routers	81-44-556-3468
	Faxbox Service	044-556-3490
	24-Hour Automated Order Status Service	044-556-3801
	Customer Service	044-556-4240
	Business Sales Division – up to 400 employees	044-556-1465
	Preferred Accounts Division Sales – over 400 employees	044-556-3433
	Public Sales – government agencies, educational institutions, and medical institutions	044-556-5963
	Global Segment Japan	044-556-3469
	Individual User	044-556-1657
	Individual User Online Sales	044-556-2203
	Individual User Real Site Sales	044-556-4649
	Switchboard	044-556-4300
<b>Korea (Seoul)</b>  International Access Code: <b>001</b>  Country Code: <b>82</b>  City Code: <b>2</b>	Online Support	support.ap.dell.com
	Technical Support for XPS computers only	toll-free: 080-999-0283
	Technical Support, Customer Service	toll-free: 080-200-3800
	Technical Support – Dimension, PDA, Electronics, and Accessories	toll-free: 080-200-3801
	Sales	toll-free: 080-200-3600
	Fax	2194-6202
	Switchboard	2194-6000
<b>Latin America</b>	Customer Technical Support (Austin, Texas, U.S.A.)	512 728-4093
	Customer Service (Austin, Texas, U.S.A.)	512 728-3619
	Fax (Technical Support and Customer Service) (Austin, Texas, U.S.A.)	512 728-3883
	Sales (Austin, Texas, U.S.A.)	512 728-4397
	Sales (Austin, Texas, U.S.A.)	512 728-4600
	Sales Fax (Austin, Texas, U.S.A.)	or 512 728-3772
<b>Luxembourg</b>  International Access Code: <b>00</b>  Country Code: <b>352</b>	Online Support	<b>support.euro.dell.com</b>
	Support	342 08 08 075
	Home/Small Business Sales	+32 (0)2 713 15 96
	Corporate Sales	26 25 77 81
	Customer Service	+32 (0)2 481 91 19
	Fax	26 25 77 82
<b>Malaysia (Penang)</b>  International Access Code: <b>00</b>  Country Code: <b>60</b>  City Code: <b>4</b>	Online Support	<b>support.ap.dell.com</b>
	Technical Support – XPS computers only	toll-free: 1 800 885 784
	Technical Support – Dell Precision, OptiPlex, and Latitude	toll-free: 1 800 880 193
	Technical Support – Dimension, Inspiron, and Electronics and Accessories	toll-free: 1 800 881 306
	Technical Support – PowerApp, PowerEdge, PowerConnect, and PowerVault	toll-free: 1800 881 386
	Customer Service	toll-free: 1800 881 306 (option 6)
	Transaction Sales	toll-free: 1 800 888 202
	Corporate Sales	toll-free: 1 800 888 213
	Online Support	www.dell.com/mx la-techsupport@dell.com
	Technical Support	001-866-563-4425
		50-81-8800



<b>Mexico</b>  International Access Code: <b>00</b>  Country Code: <b>52</b>	Sales	or 001-800-888-3355
	Customer Service	001-877-384-8979
		or 001-877-269-3383
		50-81-8800
	Main	or 001-800-888-3355 or 001-866-851-1754
<b>Montserrat</b>	Online Support	la-techsupport@dell.com
	Technical Support, Customer Service, Sales	toll-free: 1-866-278-6822
<b>Netherlands Antilles</b>	Online Support	la-techsupport@dell.com
	Technical Support, Customer Service, Sales	001-800-882-1519
<b>Netherlands (Amsterdam)</b>  International Access Code: <b>00</b>  Country Code: <b>31</b>  City Code: <b>20</b>	Online Support	<b>support.euro.dell.com</b>
	Technical Support for XPS computers only	020 674 45 94
	Technical Support	020 674 45 00
	Technical Support Fax	020 674 47 66
	Home/Small Business Customer Service	020 674 42 00
	Relational Customer Service	020 674 4325
	Home/Small Business Sales	020 674 55 00
	Relational Sales	020 674 50 00
	Home/Small Business Sales Fax	020 674 47 75
	Relational Sales Fax	020 674 47 50
	Switchboard	020 674 50 00
	Switchboard Fax	020 674 47 50
<b>New Zealand</b>  International Access Code: <b>00</b>  Country Code: <b>64</b>		<b>support.ap.dell.com</b>
	Online Support	support.ap.dell.com/contactus
	Technical Support for XPS computers only	toll-free: 0800 335 540
<b>Nicaragua</b>	Technical Support, Customer Service, Sales	0800 441 567
	Online Support	www.dell.com/ni la-techsupport@dell.com
	Technical Support, Customer Service, Sales	001-800-220-1377
<b>Norway (Lysaker)</b>  International Access Code: <b>00</b>  Country Code: <b>47</b>	Online Support	<b>support.euro.dell.com</b>
	Technical Support for XPS computers only	815 35 043
	Technical Support	671 16882
	Relational Customer Service	671 17575
	Home/Small Business Customer Service	23162298
	Switchboard	671 16800
	Fax Switchboard	671 16865
<b>Panama</b>	Online Support	www.dell.com/pa la-techsupport@dell.com
	Technical Support, Customer Service, Sales	011-800-507-1264
<b>Peru</b>	Online Support	www.dell.com/pe la-techsupport@dell.com
	Technical Support, Customer Service, Sales	0800-50-669
<b>Poland (Warsaw)</b>  International Access Code: <b>011</b>  Country Code: <b>48</b>  City Code: <b>22</b>	Online Support	<b>support.euro.dell.com</b> pl_support_tech@dell.com
	Customer Service Phone	57 95 700
	Customer Service	57 95 999
	Sales	57 95 999
	Customer Service Fax	57 95 806
	Reception Desk Fax	57 95 998
	Switchboard	57 95 999
<b>Portugal</b>	Online Support	<b>support.euro.dell.com</b>
	Technical Support	707200149



International Access Code: <b>00</b> Country Code: <b>351</b>	Customer Service	800 300 413
	Sales	800 300 410 or 800 300 411 or 800 300 412 or 21 422 07 10
	Fax	21 424 01 12
<b>Puerto Rico</b>	Online Support	www.dell.com/pr la-techsupport@dell.com
	Technical Support	toll-free: 1-866-390-4695 or 1-866-851-1760
	Customer Service and Sales	1-877-537-3355
<b>St. Kitts and Nevis</b>	Online Support	<b>www.dell.com/kn</b> la-techsupport@dell.com
	Technical Support, Customer Service, Sales	toll-free: 1-866-540-3355
<b>St. Lucia</b>	Online Support	<b>www.dell.com/lc</b> la-techsupport@dell.com
	Technical Support, Customer Service, Sales	toll-free: 1-866-464-4352
<b>St. Vincent and the Grenadines</b>	Online Support	<b>www.dell.com/vc</b> la-techsupport@dell.com
	Technical Support, Customer Service, Sales	toll-free: 1-866-464-4353
<b>Singapore (Singapore)</b> International Access Code: <b>005</b> Country Code: <b>65</b>	<b>NOTE:</b> The phone numbers in this section should be called from within Singapore or Malaysia only.	
	Online Support	<b>support.ap.dell.com</b>
	Technical Support – XPS computers only	toll-free: 1800 394 7464
	Technical Support – Dimension, Inspiron, and Electronics and Accessories	toll-free: 1 800 394 7430
	Technical Support – OptiPlex, Latitude, and Dell Precision	toll-free: 1 800 394 7488
	Technical Support – PowerApp, PowerEdge, PowerConnect, and PowerVault	toll-free: 1 800 394 7478
	Customer Service	toll-free: 1 800 394 7430 (option 6)
	Transaction Sales	toll-free: 1 800 394 7412
	Corporate Sales	toll-free: 1 800 394 7419
<b>Slovakia (Prague)</b> International Access Code: <b>00</b> Country Code: <b>421</b>	Online Support	<b>support.euro.dell.com</b> czech_dell@dell.com
	Technical Support	02 5441 5727
	Customer Service	420 22537 2707
	Fax	02 5441 8328
	Tech Fax	02 5441 8328
	Switchboard (Sales)	02 5441 7585
<b>South Africa (Johannesburg)</b> International Access Code: <b>09/091</b> Country Code: <b>27</b> City Code: <b>11</b>	Online Support	<b>support.euro.dell.com</b> dell_za_support@dell.com
	Gold Queue	011 709 7713
	Technical Support	011 709 7710
	Customer Service	011 709 7707
	Sales	011 709 7700
	Fax	011 706 0495
	Switchboard	011 709 7700
	Technical Support, Customer Service, and Sales (Penang, Malaysia)	604 633 4810
<b>Spain (Madrid)</b> International Access Code: <b>00</b> Country Code: <b>34</b>	Online Support	<b>support.euro.dell.com</b>
	<b>Home and Small Business</b>	
	Technical Support	902 100 130
	Customer Service	902 118 540
	Sales	902 118 541
	Switchboard	902 118 541
	Fax	902 118 539



City Code: <b>91</b>	<b>Corporate</b>	
	Technical Support	902 100 130
	Customer Service	902 115 236
	Switchboard	91 722 92 00
	Fax	91 722 95 83
<b>Sweden (Upplands Vasby)</b>  International Access Code: <b>00</b>  Country Code: <b>46</b>  City Code: <b>8</b>	Online Support	<b>support.euro.dell.com</b>
	Technical Support for XPS computers only	77 134 03 40
	Technical Support	08 590 05 199
	Relational Customer Service	08 590 05 642
	Home/Small Business Customer Service	08 587 70 527
	Employee Purchase Program (EPP) Support	020 140 14 44
	Technical Support Fax	08 590 05 594
	Sales	08 587 705 81
<b>Switzerland (Geneva)</b>  International Access Code: <b>00</b>  Country Code: <b>41</b>  City Code: <b>22</b>	Online Support	<b>support.euro.dell.com</b>  Tech_support_central_Europe@dell.com
	Technical Support for XPS computers only	0848 338 857
	Technical Support – Home and Small Business	0844 811 411
	Technical Support – Corporate	0844 822 844
	Customer Service – Home and Small Business	0848 802 202
	Customer Service – Corporate	0848 821 721
	Main	0848 335 599
	Fax	022 799 01 90
	Sales	022 799 01 01
<b>Taiwan</b>  International Access Code: <b>002</b>  Country Code: <b>886</b>	Online Support	<b>support.ap.dell.com</b>  support.dell.com.cn/email
	Technical Support – XPS computers only	toll-free: 0080 186 3085
	Technical Support – OptiPlex, Latitude, Inspiron, Dimension, and Electronics and Accessories	toll-free: 0080 186 1011
	Technical Support – Servers and Storage	toll-free: 0080 160 1256
	Customer Service	toll-free: 0080 160 1250 (option 5)
	Transaction Sales	toll-free: 0080 165 1228
	Corporate Sales	toll-free: 0080 165 1227
<b>Thailand</b>  International Access Code: <b>001</b>  Country Code: <b>66</b>	Online Support	<b>support.ap.dell.com</b>
	Technical Support (OptiPlex, Latitude, and Dell Precision)	toll-free: 1800 0060 07
	Technical Support (PowerApp, PowerEdge, PowerConnect, and PowerVault)	toll-free: 1800 0600 09
	Customer Service	toll-free: 1800 006 007 (option 7)
	Corporate Sales	toll-free: 1800 006 009
	Transaction Sales	toll-free: 1800 006 006
<b>Trinidad/Tobago</b>	Online Support	<b>www.dell.com/tt</b>  la-techsupport@dell.com
	Technical Support, Customer Service, Sales	toll-free: 1-888-799-5908
<b>Turks and Caicos Islands</b>	Online Support	<b>www.dell.com/tc</b>  la-techsupport@dell.com
	Technical Support, Customer Service, Sales	toll-free: 1-877-441-4735
	Online Support	<b>support.euro.dell.com</b>  dell_direct_support@dell.com
	Customer Service Online	<b>support.euro.dell.com/uk/en/ECare/form/home.asp</b>
	<b>Sales</b>	
	Home and Small Business Sales	0870 907 4000
	Corporate/Public Sector Sales	01344 860 456



<b>U.K. (Bracknell)</b>  International Access Code: <b>00</b>  Country Code: <b>44</b>  City Code: <b>1344</b>	<b>Customer Service</b>	
	Home and Small Business	0870 906 0010
	Corporate	01344 373 185
	Preferred Accounts (500-5000 employees)	0870 906 0010
	Global Accounts	01344 373 186
	Central Government	01344 373 193
	Local Government & Education	01344 373 199
	Health	01344 373 194
	<b>Technical Support</b>	
	XPS Computers Only	0870 366 4180
	Corporate/Preferred Accounts/PCA (1000+ employees)	0870 908 0500
	Other Dell Products	0870 353 0800
	<b>General</b>	
	Home and Small Business Fax	0870 907 4006
<b>Uruguay</b>	Online Support	<b>www.dell.com/uy</b> la-techsupport@dell.com
	Technical Support, Customer Service, Sales	toll-free: 000-413-598-2521
<b>U.S.A. (Austin, Texas)</b>  International Access Code: <b>011</b>  Country Code: <b>1</b>	Dell Services for the Deaf, Hard-of-Hearing, or Speech-Impaired	toll-free: 1-877-DELLTTY (1-877-335-5889)
	Fax	toll-free: 1-800-727-8320
	Technical Support	support.dell.com
	XPS	toll-free: 1-800-232-8544
	Home and Home Office	toll-free: 1-800-624-9896
	Portable and Desktop AutoTech	toll-free: 1-800-247-9362
	Small Business	toll-free: 1-800-456-3355
	Medium and Large Business	toll-free: 1-877-671-3355
	State and Local Government	toll-free: 1-800-981-3355
	Federal Government	toll-free: 1-800-727-1100
	Healthcare	toll-free: 1-800-274-1550
	K-12 Education	toll-free: 1-888-977-3355
	Higher Education	toll-free: 1-800-274-7799
	Printers, Projectors, PDAs, and MP3 Players	toll-free: 1-877-459-7298
	Customer Service	toll-free: 1-800-624-9897
	Automated Order Status	toll-free: 1-800-433-9014
	Small Business	toll-free: 1-800-456-3355
	Medium and Large Business	toll-free: 1-877-671-3355
	State and Local Government	toll-free: 1-800-981-3355
	Federal Government	toll-free: 1-800-727-1100
	Healthcare	toll-free: 1-800-274-1550
	K-12 Education	toll-free: 1-888-977-3355
	Higher Education	toll-free: 1-800-274-7799
	Employee Purchase Program (EPP)	toll-free: 1-800-695-8133
	<b>Financial Services</b>	<b>www.dellfinancialservices.com</b>
	Leases and Loans	toll-free: 1-877-577-3355
	Dell Preferred Accounts (DPA)	toll-free: 1-800-283-2210
	<b>Sales</b>	1-800-289-3355 or 1-800-879-3355
	Dell Outlet Store	toll-free: 1-888-798-7561
	Software and Peripherals Sales	toll-free: 1-800-671-3355
<b>U.S. Virgin Islands</b>	Online Support	<b>www.dell.com/vi</b> la-techsupport@dell.com
	Technical Support, Customer Service, Sales	toll-free: 1-877-702-4360
<b>Venezuela</b>	Online Support	<b>www.dell.com/ve</b> la-techsupport@dell.com
	Technical Support, Customer Service,	



	Sales	0800-100-4752
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[Back to Contents Page](#)

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