

# **Aspire 9100 Series**

## **User's Guide**

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Aspire 9100 Series User's Guide  
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Record the model number, serial number, purchase date, and place of purchase information in the space provided below. The serial number and model number are recorded on the label affixed to your computer. All correspondence concerning your unit should include the serial number, model number, and purchase information.

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Aspire 9100 Series Notebook Computer

Model Number: \_\_\_\_\_

Serial Number: \_\_\_\_\_

Purchase Date: \_\_\_\_\_

Place of Purchase: \_\_\_\_\_

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# First things first

We would like to thank you for making the Aspire series of notebook computers your choice for your mobile computing needs.

## Your guides

To help you use your Aspire, we have designed a set of guides:



First off, the **Just for starters...** poster helps you get started with setting up your computer.



The printed **User's Guide** introduces you to the basic features and functions of your new computer. For more on how your computer can help you to be more productive, please refer to the **AcerSystem User's Guide**. This guide contains detailed information on such subjects as system utilities, data recovery, expansion options, and troubleshooting. In addition it contains warranty information and the general regulations and safety notices for your notebook. It is available in Portable Document Format (PDF) and comes preloaded on your notebook. Follow these steps to access it:

- 1** Click on **Start, All Programs, AcerSystem**.
- 2** Click on **AcerSystem User's Guide**.

**Note:** Viewing the file requires Adobe Acrobat Reader. If Adobe Acrobat Reader is not installed on your computer, clicking on TravelMate User's guide will run the Acrobat Reader setup program first. Follow the instructions on the screen to complete the installation. For instructions on how to use Adobe Acrobat Reader, access the **Help and Support** menu.

## Basic care and tips for using your computer

### Turning your computer on and off

To turn on the computer, simply press and release the power button below the LCD screen beside the launch keys. See "**Front view**" on **page 1** for the location of the power button.

To turn the power off, do any of the following:

- Use the Windows shutdown command  
Click on **Start, Shut Down**; then click on **Shut Down**.
- Use the power button



.....  
**Note:** You can also use the power button to perform power management functions. See "**Preparing the computer**" on **page 28** of the **AcerSystem User's Guide** for details about power management.

You can also shut down the computer by closing the display cover, or by pressing the sleep hot key <Fn> + <F4>. See "**Preparing the computer**" on **page 28** of the **AcerSystem User's Guide** for details.



.....  
**Note:** If you cannot power off the computer normally, press and hold the power button for more than four seconds to shut down the computer. If you turn off the computer and want to turn it on again, wait at least two seconds before powering up.

### Taking care of your computer

Your computer will serve you well if you take care of it.

- Do not expose the computer to direct sunlight. Do not place it near sources of heat, such as a radiator.
- Do not expose the computer to temperatures below 0° C (32° F) or above 50° C (122° F).
- Do not subject the computer to magnetic fields.
- Do not expose the computer to rain or moisture.
- Do not spill water or any liquid on the computer.
- Do not subject the computer to heavy shock or vibration.
- Do not expose the computer to dust and dirt.

- Never place objects on top of the computer.
- Do not slam the computer display when you close it.
- Never place the computer on uneven surfaces.

## Taking care of your AC adaptor

Here are some ways to take care of your AC adaptor:

- Do not connect the adaptor to any other device.
- Do not step on the power cord or place heavy objects on top of it. Carefully route the power cord and any cables away from foot traffic.
- When unplugging the power cord, do not pull on the cord itself but pull on the plug.
- The total ampere ratings of the equipment plugged in should not exceed the ampere rating of the cord if you are using an extension cord. Also, the total current rating of all equipment plugged into a single wall outlet should not exceed the fuse rating.

## Taking care of your battery pack

Here are some ways to take care of your battery pack:

- Use only batteries of the same kind as replacements. Turn the power off before removing or replacing batteries.
- Do not tamper with batteries. Keep them away from children.
- Dispose of used batteries according to local regulations. Recycle if at all possible.

## Cleaning and servicing

When cleaning the computer, follow these steps:

- 1 Power off the computer and remove the battery pack.
- 2 Disconnect the AC adaptor.
- 3 Use a soft cloth moistened with water. Do not use liquid or aerosol cleaners.

If either of the following occurs:

- the computer has been dropped or the body has been damaged;
- the computer does not operate normally;

please refer to "**Frequently-asked questions**" on page 57 of the **AcerSystem User's Guide** for details.

### Caution

Changes or modifications not expressly approved by the manufacturer could void the user's authority, which is granted by the Federal Communications Commission, to operate this computer.

### Operation conditions

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, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Users are requested to follow the RF safety instructions on wireless option devices that are included in the user's manual of each RF option device.

An improper installation or unauthorised use may cause harmful interference to radio communications. Also any tampering of the internal antenna will void the FCC certification and your warranty.

To prevent radio interference to the licensed service, this device is intended to be operated indoors and installation outdoors is subject to licensing. For more information about our products, services, and support information, please visit our website: <http://global.acer.com/>.

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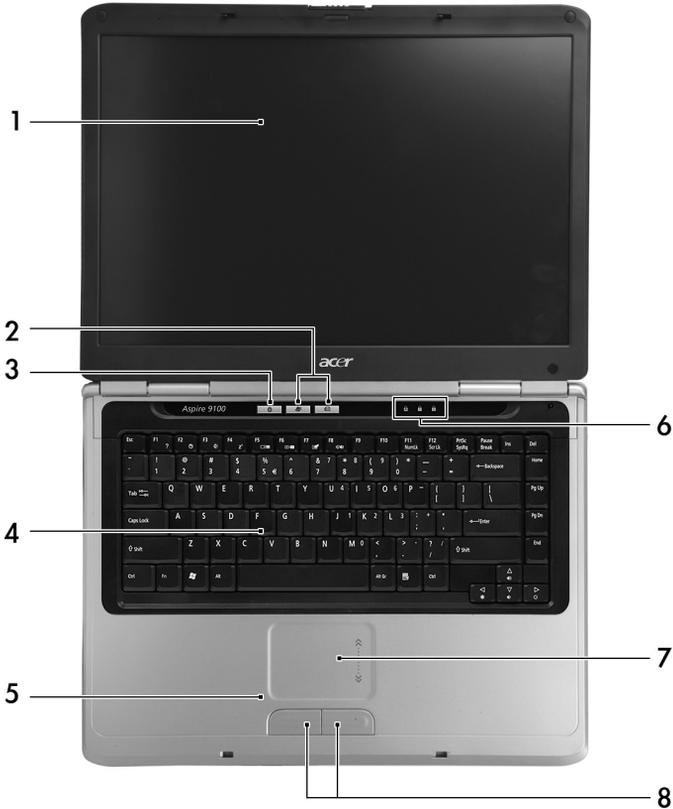
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# An Aspire tour

After setting up your computer as illustrated in the **Just for Starters...** poster, let us show you around your new Aspire computer.

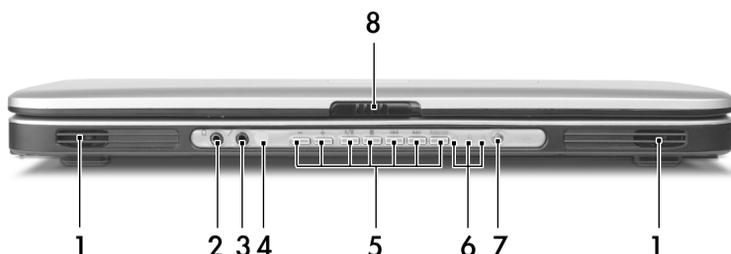
## Front view



#	Item	Description
1	Display screen	Also called Liquid-Crystal Display (LCD), displaying computer output.

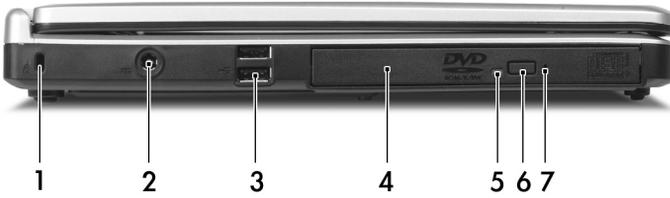
#	Item	Description
2	Launch keys	Buttons for launching frequently used programs. See " <b>Launch keys</b> " on page 18 for more details
3	Power button	Turns the computer on and off.
4	Keyboard	Inputs data into your computer.
5	Palmrest	Comfortable support area for your hands when you use the computer.
6	Status indicators	Light-Emitting Diodes (LEDs) that turn on and off to show the status of the computer's functions and components.
7	Touchpad	Touch-sensitive pointing device which functions like a computer mouse.
8	Click buttons (Left and right)	The left and right buttons function like the left and right mouse buttons.

## Closed front view



#	Item	Description
1	Speakers	Left and right speakers deliver stereo audio output.
2	Speaker/Line-Out/Headphone jack	 Connects to audio line-out devices (e.g., speakers, headphones).
3	Mic-in jack	 Accepts inputs from external microphone.
4	CIR Receiver	 Receives remote control infrared signals.
5	Arcade/Media/Volume buttons	For use with Acer Arcade and other media playing programs.
6	Indicators (power, Hard disc, and battery)	Light to indicate the computer's status.
7	Wireless communication button/indicator	 Press to enable/disable Wireless function. Lights to indicate the status of wireless LAN communications.
8	Latch	Locks and releases the lid.

## Left view



#	Item		Description
1	Security keylock		Connects to a Kensington-compatible computer security lock.
2	Power jack		Connects to an AC adaptor.
3	Two USB 2.0 ports		Connect to Universal Serial Bus (USB) 2.0 devices (e.g., USB mouse, USB camera).
4	Optical drive		Internal optical drive; accepts CDs or DVDs depending on the optical drive type.
5	LED indicator		Lights up when the optical drive is active.
6	Optical drive eject button		Ejects the optical drive tray from the drive.
7	Emergency eject hole		Ejects the optical drive tray when the computer is turned off



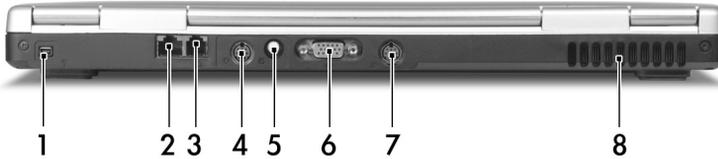
**Note:** The positions of the AcerMedia indicator, eject button and emergency eject hole may differ depending on the optical drive module installed.

## Right view



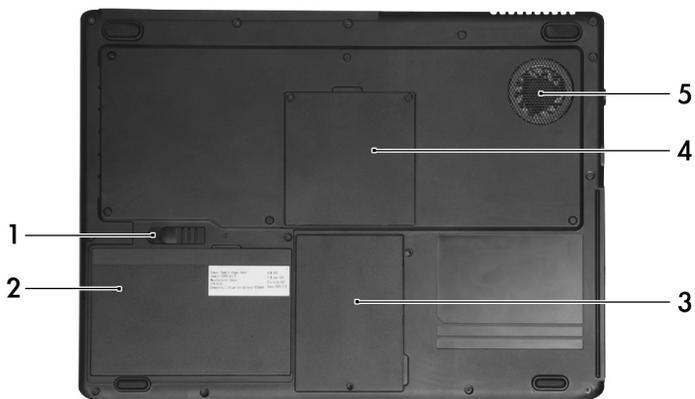
#	Item	Description
1	3-in-1 card reader 	Accepts MS, SM and SD card. <b>Note:</b> Only one card can operate at any given time.
2	PC Card slot 	Connects to one Type II CardBus PC Card.
3	PC Card slot eject button	Ejects the PC Card from the slot.
4	USB 2.0 port 	Connects to Universal Serial Bus (USB) 2.0 devices (e.g., USB mouse, USB camera).

## Rear view



#	Item		Description
1	IEEE 1394 port		Connects to IEEE 1394 devices.
2	Network jack		Connects to an Ethernet 10/100/1000-based network (for selected models).
3	Modem jack		Connects to a phone line.
4	Audio/video in port		Supports both audio and video input.
5	Antenna port		Connects to a (PAL/NTSC) TV antenna cable.
6	External display port		Connects to a display device (e.g., external monitor, LCD projector).
7	S-video out port		Connects to a television or display device with S-video input.
8	Ventilation slots		Enable the computer to stay cool, even after prolonged use.

## Bottom view



#	Item	Description
1	Battery release latch	Unlatches the battery to remove the battery pack.
2	Battery bay	Houses the computer's battery pack.
3	Hard disc bay	Houses the computer's hard disc (secured by a screw).
4	Memory compartment	Houses the computer's main memory and Mini PCI Card.
5	Cooling fan	Helps keep the computer cool. <b>Note:</b> Do not cover or obstruct the opening of the fan.

# Specifications

## Microprocessor

- Intel® Pentium® M 730 processor at 1.6 GHz or higher

## Memory

- 256 MB of DDR 333 SDRAM standard, upgradeable to 2 GB with dual soDIMM modules
- 512 KB flash ROM BIOS

## Data storage

- One 60 GB and above E-IDE hard disc (2.5", 9.5mm, UltraDMA-100)
- One internal optical drive
- 3-in-1 MS/SM/SD card reader

## Display and video

- Thin-Film Transistor (TFT) displaying at:
  - 15.4" WXGA (1280 x 800)
- Acer CrystalBrite
- ATI MOBILITY™ RADEON® X600 with 128 MB of video memory
- Simultaneous LCD and CRT display support
- Dual independent display

## Connectivity

- Integrated gigabit Fast Ethernet connection (for selected models)
- Built-in 56Kbps fax/data modem
- Three Universal Serial Bus (USB) 2.0 ports
- InviLink™ 802.11b/g dual-band Wireless LAN

## Audio

- 16-bit AC'97 stereo audio
- Dual speakers
- Separate audio ports for headphone-out, line-in/microphone-in devices

### Keyboard and pointing device

- 86/87/88-key Windows keyboard
- Ergonomically-centered touchpad pointing device

### I/O ports

- One Type II PC Card slot
- One RJ-11 phone jack (V.92, 56Kbps modem)
- One RJ-45 network jack
- One DC-in jack (AC adaptor)
- One external monitor port
- One speaker/headphone-out jack
- One audio line-in/microphone-in jack
- One infrared (CIR) port
- One IEEE 1394 port
- One S-video/TV-out port
- One Audio/Video-in port
- One PAL/NTSC TV-in port
- Three USB 2.0 ports
- 3-in-1 MS/SM/SD card reader

### Weight (with battery)

- 6.5 lbs. (2.9 kg)

### Dimensions

- 360 (W) x 265 (D) x 32.2 - 35 (H) mm

## Environment

- Temperature:
  - Operating: 5°C - 35°C
  - Non-operating: -20°C - 65°C
- Humidity (non-condensing):
  - Operating: 20% - 80% RH
  - Non-operating: 20% - 80% RH

## System

- Microsoft® Windows® XP Professional/ Home/ Media Center Edition
- ACPI 1.0b support
- DMI 2.0-compliant
- Wi-Fi®-compliant

## Power

- 8-cell (65 W) Li-ion battery pack
- 65 W AC adaptor 19 V 3.42 A

## Options

- 256 MB/512 MB/1 GB memory upgrade module
- Additional 65 W AC adaptor
- Addition Li-ion battery pack
- Media player remote control

# Indicators

The computer has three easy-to-read status icons on the upper-right above the keyboard. In addition, there are four indicators located on the front panel.



Icon	Function	Description
	Caps Lock	Lights when Caps Lock is activated.
	Num Lock	Lights when Num Lock is activated.
	Scroll Lock	Lights when Scroll Lock is activated.
	Power	Lights when the computer is on.
	Battery indicator	Lights when the battery is being charged.
	Media activity	Lights when the hard disc or optical drive is active.
	Wireless communication	Lights to indicate the status of wireless LAN communications.



1. Charging: the light shows amber when the battery is charging.
2. Fully charged: light shows green when in AC mode.

# Using the keyboard

The keyboard has full-sized keys and an embedded keypad, separate cursor keys, two Windows keys and twelve function keys.

## Lock keys

The keyboard has three lock keys which you can toggle on and off.



Lock Key	Description
Caps Lock	When Caps Lock is on, all alphabetic characters typed are in uppercase.
Num Lock (Fn-F11)	When Num Lock is on, the embedded keypad is in numeric mode. The keys function as a calculator (complete with the arithmetic operators +, -, *, and /). Use this mode when you need to do a lot of numeric data entry. A better solution would be to connect an external keypad.
Scroll Lock (Fn-F12)	When Scroll Lock is on, the screen moves one line up or down when you press the up or down arrow keys respectively. Scroll Lock does not work with some applications.

# Embedded numeric keypad

The embedded numeric keypad functions like a desktop numeric keypad. It is indicated by small characters located on the upper right corner of the keycaps.



Desired Access	Num Lock On	Num Lock Off
Type numbers	Use embedded keypad in the same way as the numeric keypad on a standard keyboard.	
Type letters	Hold <b>Fn</b> while typing letters on embedded keypad.	Type the letters in a normal manner.

# Windows keys

The keyboard has two keys that perform Windows-specific functions.



Key	Description
<p>Windows key</p> 	<p>Pressed alone, this key has the same effect as clicking on the Windows Start button; it launches the Start menu. It can also be used with other keys to provide a variety of functions:</p> <ul style="list-style-type: none"> <li>&lt;  &gt; + &lt;Tab&gt; Activates the next Taskbar button.</li> <li>&lt;  &gt; + &lt;E&gt; Opens the My Computer window.</li> <li>&lt;  &gt; + &lt;F1&gt; Opens Help and Support.</li> <li>&lt;  &gt; + &lt;F&gt; Opens the Find: All Files dialog box.</li> <li>&lt;  &gt; + &lt;M&gt; Minimizes all windows.</li> <li>&lt;Shift&gt; + &lt;  &gt; + &lt;M&gt; Undoes the minimize all windows.</li> <li>&lt;  &gt; + &lt;R&gt; Opens the Run dialog box.</li> </ul>
<p>Application key</p> 	<p>This key has the same effect as clicking the right mouse button; it opens the application's context menu.</p>

# Hot keys

The computer employs hot keys or key combinations to access most of the computer's controls like screen brightness, volume output and the BIOS Utility.

To activate hot keys, press and hold the <Fn> key before pressing the other key in the hot key combination.



Hot Key	Icon	Function	Description
Fn-F1	?	Hot key help	Displays help on hot keys.
Fn-F2		Acer eSetting	Launches the Acer eSetting in the Acer eManager set by the Acer Empowering Key "e" See "Acer eManager" on page 23
Fn-F3		Acer ePowerManagement	Launches the Acer ePower-Management in the Acer eManager set by the Acer Empowering Key "e" See "Acer eManager" on page 23
Fn-F4	Z	Sleep	Puts the computer in Sleep mode.

Hot Key	Icon	Function	Description
Fn-F5		Display toggle	Switches display output between the display screen, external monitor (if connected) and both the display screen and external monitor.
Fn-F6		Screen blank	Turns the display screen backlight off to save power. Press any key to return.
Fn-F7		Touchpad toggle	Turns the internal touchpad on and off.
Fn-↑		Volume up	Increases the sound volume.
Fn-↓		Volume down	Decreases the sound volume.
Fn-→		Brightness up	Increases the screen brightness.
Fn-←		Brightness down	Decreases the screen brightness.

# The Euro Symbol

If your keyboard layout is set to United States-International, United Kingdom or if you have a keyboard with a European layout, you can type the Euro symbol on your keyboard.



- 1 Open a text editor or word processor.
- 2 Hold **<Alt Gr>** and then press the **Euro** symbol at the upper-center of the keyboard.



.....  
**Note:** Some fonts and software do not support the Euro symbol. Please refer to [www.microsoft.com/typography/faq/faq12.htm](http://www.microsoft.com/typography/faq/faq12.htm) for more information.

## Launch keys

Located above the keyboard next to the power button are two buttons. These buttons are called launch keys. They are designated as the Internet browser, and the Acer Empowering Key "e".

Press the Empowering Key "e" to run the Acer eManager. Please see **"Acer eManager" on page 23 for details**. The Web browser will open an Internet browser as default, but it can be reset by users. To set the Web browser key, run the Acer Launch Manager. See **"Acer eManager" on page 23**.



Launch key	Default application
	Internet browser application (User-programmable)
	eManager (User-programmable)

# Touchpad

The built-in touchpad is a pointing device that senses movement on its surface. This means the cursor responds as you move your finger on the surface of the touchpad. The central location on the palmrest provides optimum comfort and support.



## Touchpad basics

The following items teach you how to use the touchpad:



- Move your finger across the touchpad (2) to move the cursor.
- Press the left (1) and right (3) buttons located on the edge of the touchpad to do selection and execution functions. These two buttons are similar to the left and right buttons on a mouse. Tapping on the touchpad is the same as clicking the left button

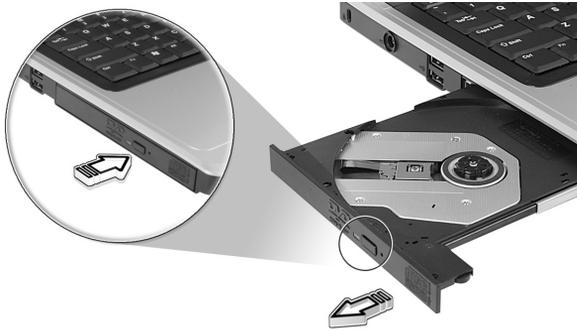
Function	Left button	Right button	Touchpad
Execute	Click twice quickly.		Tap twice (at the same speed as double-clicking a mouse button).
Select	Click once.		Tap once.
Drag	Click and hold, then use finger to drag the cursor on the touchpad.		Tap twice (at the same speed as double-clicking a mouse button); hold finger to the touchpad on the second tap and drag the cursor.
Access context menu		Click once.	



**Note:** Keep your fingers dry and clean when using the touchpad. Also keep the touchpad dry and clean. The touchpad is sensitive to finger movement, hence, the lighter the touch, the better the response. Tapping harder will not increase the touchpad's responsiveness.

## Ejecting the optical drive tray

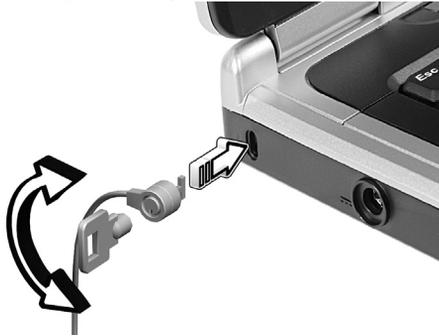
To eject the optical drive tray when the computer is turned on, press the drive eject button.



When the power is off, you can eject the drive tray using the emergency eject hole.

## Using a computer security lock

A security keylock notch, located on the chassis of the computer, lets you connect a Kensington-compatible computer security lock.



Wrap a computer security lock cable around an immovable object such as a table or handle of a locked drawer. Insert the lock into the notch and turn the key to secure the lock. Some keyless models are also available.

# Audio

The computer comes with 16-bit high-fidelity AC'97 stereo audio, and dual stereo speakers.



## Adjusting the volume

Adjusting the volume on the computer is as easy as pressing some buttons. The volume can be controlled by using either the dedicated volume media keys located on the front of the notebook or the hot keys. See **"Hot keys"** on page 15 for more information on adjusting the speaker volume.

# Using system utilities

## Acer eManager

Innovative Acer eManagement software is designed for easy access to frequently used functions. At the press of the Acer Empowering Key "e", the Acer eManager user interface appears, featuring two main settings: Acer eSetting and Acer ePresentation.



To set the Acer Empowering Key "e", see "**Launch keys**" on page 18.



**Acer eSetting** makes managing system settings and security easy.

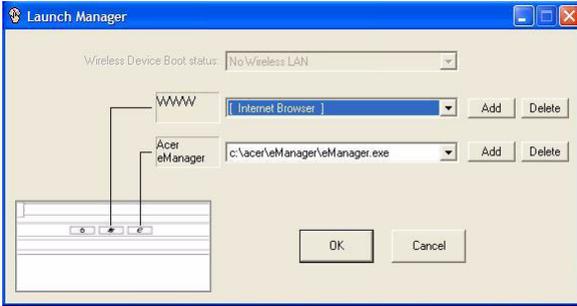


**Acer ePresentation** simplifies resolution settings when connecting to a projector.

# Launch Manager

Launch Manager allows you to set the two launch keys located above the keyboard. **"Launch keys"** on page 18 for the location of the launch keys.

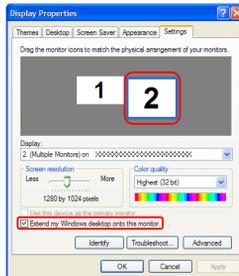
You can access the Launch Manager by clicking on **Start**, **All Programs**, and then **Launch Manager** to start the application.



# Enabling dual displays

To enable the dual monitor feature of your notebook:

First, ensure the secondary monitor is connected. Then select **"Start" - "Control Panel" - "Display"** and click on **"Settings."** Select the secondary monitor (2) icon in the display box and then click the check box **"Extend my windows desktop onto this monitor"** (highlighted in red below.) Finally, **"Apply"** the new settings and then click **"OK"** to complete the process.



**Note:** Please ensure the resolution setting of your second monitor is set to the manufacturer's recommended value.

## Acer GridVista (dual-display compatible)

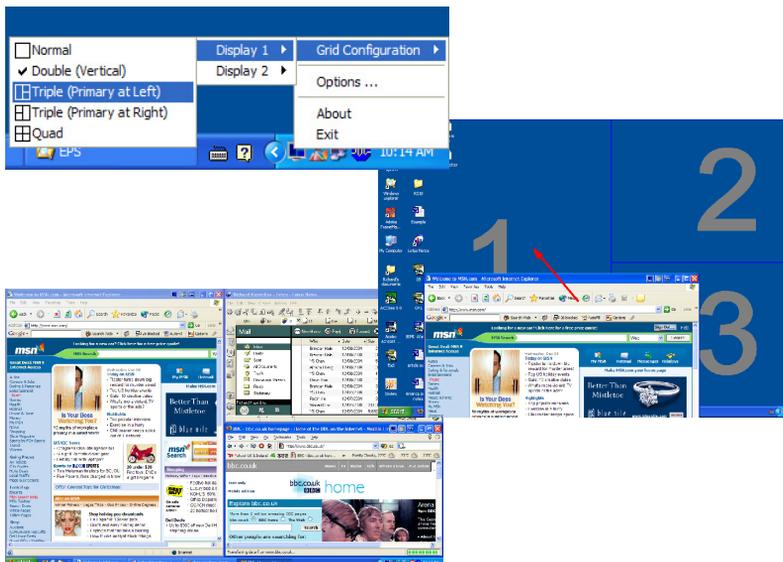
Acer GridVista is a handy utility that offers four pre-defined display settings so you can view multiple windows on the same screen. To access this function, please go to "Start" - "All Programs" and click on "Acer GridVista". You may choose any one of the four display settings indicated below:



Double (Vertical), Triple (Major at left), Triple (Major at right), or Quad GridVista is dual-display compatible, allowing two displays to be partitioned independently.

**GridVista** is simple to set up:

- 1 Run GridVista and select your preferred screen configuration for each display from the taskbar.
- 2 Drag and drop each window into the appropriate grid.
- 3 Enjoy the convenience of a well-organized desktop.





# Moving around with your notebook PC

This section gives you tips and hints to consider when moving around or traveling with your computer.

## Disconnecting from the desktop

Follow these steps to disconnect your computer from external accessories:

- 1 Save your work in progress.
- 2 Remove any media, floppy discs or compact discs, from the drive(s).
- 3 Shut down the computer.
- 4 Close the display cover.
- 5 Disconnect the cord from the AC adaptor.
- 6 Disconnect the keyboard, pointing device, printer, external monitor, and other external devices.
- 7 Disconnect the Kensington lock if you are using one to secure the computer.

## Moving around

When you are just moving within short distances, for example, from your office desk to a meeting room.

### Preparing the computer

Before moving the computer, close and latch the display cover to place it in Sleep mode. You can now safely take the computer anywhere you go within the building. To bring the computer out of Sleep mode, open the display; then press and release the power button.

If you are taking the computer to a client's office or a different building, you may choose to shut down the computer:

- 1 Click on **Start, Shut Down...** or **Turn off Computer** (Windows XP).
- or

you can put the computer in Sleep mode by pressing **<Fn> + <F4>**. Then close and latch the display.

When you are ready to use the computer again, unlatch and open the display; then press and release the power button.



**Note:** If the Sleep indicator is off, the computer has entered Hibernation mode and is turned off. If the power indicator is off but the Sleep indicator is on, the computer has entered Sleep mode. In both cases, press and release the power button to turn the computer back on. Note that the computer may enter Hibernation mode after being in Sleep mode for a period of time.

## What to take to short meetings

A fully charged battery runs the computer for about 3 hours. If your meeting is shorter than that, you probably do not need to take anything with you other than the computer.

## What to bring to long meetings

If your meeting lasts longer than 3 hours, or if your battery is not fully charged, you may want to take the AC adaptor with you to plug in your computer while in the meeting room.

If the meeting room does not have an electrical outlet, reduce the drain on the battery by putting the computer in Sleep mode. Press **<Fn>+<F4>** or close the display cover whenever you are not actively using the computer. To resume, open the display (if closed); then press and release the power button.

## Taking the computer home

When you are moving from your office to your home or vice versa.

## Preparing the computer

After disconnecting the computer from your desktop, follow these steps to prepare the computer for the trip home:

- Check if you have removed all media and compact discs from the drive(s). Failure to remove the media can damage the drive head.

- Pack the computer in a protective case that can prevent the computer from sliding around and cushion it if it should fall.



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**Caution:** Avoid packing items next to the top cover of the computer. Pressure against the top cover can damage the screen.

## What to take with you

Unless you already have some items at home, take the following items with you:

- AC adaptor and power cord
- The printed user's guide

## Special considerations

Follow these guidelines to protect your computer while traveling to and from work:

- Minimize the effects of temperature changes by keeping the computer with you.
- If you need to stop for an extended period of time and cannot carry the computer with you, leave the computer in the trunk of the car to avoid exposing the computer to excessive heat.
- Changes in temperature and humidity can cause condensation. Allow the computer to return to room temperature, and inspect the screen for condensation before turning on the computer. If the temperature change is greater than 18° F (10° C), allow the computer to come to room temperature slowly. If possible, leave the computer for 30 minutes in an environment with a temperature between outside and room temperature.

## Setting up a home office

If you frequently work on your computer at home, you may want to purchase a second AC adaptor for use at home. With a second AC adaptor, you can avoid carrying the extra weight to and from home.

If you use your computer at home for significant periods of time, you might also want to add an external keyboard, monitor, or mouse.

## Traveling with the computer

When you are moving within a larger distance, for instance, from your office building to a client's office building or traveling locally.

### Preparing the computer

Prepare the computer as if you were taking it home. Make sure that the battery in the computer is charged. Airport security may require you to turn on your computer when carrying it into the gate area.

### What to take with you

Take the following items with you:

- AC adaptor
- Spare, fully-charged battery pack(s)
- Additional printer driver files if you plan to use another printer

### Special considerations

In addition to the guidelines for taking the computer home, follow these guidelines to protect your computer while traveling:

- Always take the computer as carry-on luggage.
- If possible, have the computer inspected by hand. Airport security X-ray machines are safe, but do not put the computer through a metal detector.
- Avoid exposing floppy discs to hand-held metal detectors.

## Traveling internationally with the computer

When you are moving from country to country.

### Preparing the computer

Prepare the computer as you would normally prepare it for traveling.

### What to bring with you

Bring the following items with you:

- AC adaptor
- Power cords that are appropriate for the country to which you are traveling
- Spare, fully-charged battery packs
- Additional printer driver files if you plan to use another printer
- Proof of purchase, in case you need to show it to customs officials
- International Travelers Warranty passport

### Special considerations

Follow the same special considerations as when traveling with the computer. In addition, these tips are useful when traveling internationally:

- When traveling in another country, check that the local AC voltage and the AC adaptor power cord specifications are compatible. If not, purchase a power cord that is compatible with the local AC voltage. Do not use converter kits sold for appliances to power the computer.
- If you are using the modem, check if the modem and connector is compatible with the telecommunications system of the country you are traveling in.

# Securing your computer

Your computer is a valuable investment that you need to take care of. Learn how to protect and take care of your computer.

Security features include hardware and software locks — a security notch and passwords.

## Using a computer security lock

A security keylock notch, located on the chassis of the computer, lets you connect a Kensington-compatible computer security lock.

Wrap a computer security lock cable around an immovable object such as a table or handle of a locked drawer. Insert the lock into the notch and turn the key to secure the lock. Some keyless models are also available.

## Using passwords

Passwords protect your computer from unauthorized access. Setting these passwords creates several different levels of protection for your computer and data:

- Supervisor Password prevents unauthorized entry into the BIOS Utility. Once set, you must enter this password to gain access to the BIOS Utility. See **"BIOS Utility" on page 40**.
- User Password secures your computer against unauthorized use. Combine the use of this password with password checkpoints on boot-up and resume from hibernation for maximum security.
- Password on Boot secures your computer against unauthorized use. Combine the use of this password with password checkpoints on boot-up and resume from hibernation for maximum security.



**Important!** Do not forget your Supervisor Password! If you forget your password, please get in touch with your dealer or an authorized service center.

## Entering passwords

When a password is set, a password prompt appears in the center of the display screen.

- When the Supervisor Password is set, a prompt appears when you press <F2> to enter the BIOS Utility at boot-up.
- Type the Supervisor Password and press <Enter> to access the BIOS Utility. If you enter the password incorrectly, a warning message appears. Try again and press <Enter>.
- When the User Password is set and the password on boot parameter is enabled, a prompt appears at boot-up.
- Type the User Password and press <Enter> to use the computer. If you enter the password incorrectly, a warning message appears. Try again and press <Enter>.



.....  
**Important!** You have three chances to enter a password. If you fail to enter the password correctly after three tries, the system halts. Press and hold the power button for four seconds to shut down the computer. Then turn on the computer again, and try again.

## Setting passwords

You can set passwords using the BIOS Utility.



# Expanding through options

Your Notebook PC offers you a complete mobile computing experience.

## Connectivity options

Ports allow you to connect peripheral devices to your computer as you would with a desktop PC. For instructions on how to connect different external devices to the computer, read the following section.

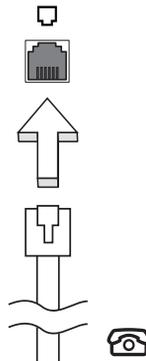
### Fax/Data modem

Your computer has a built-in V.92 56Kbps AC'97 link fax/data modem.



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**Warning! This modem port is not compatible with digital phone lines. Plugging this modem into a digital phone line will damage the modem.**

To use the fax/data modem port, connect a phone cable from the modem port to a telephone jack.

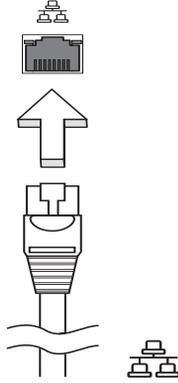


.....  
**Warning: Please make sure that the cable you use is appropriate for the country in which you are working.**

## Built-in network feature

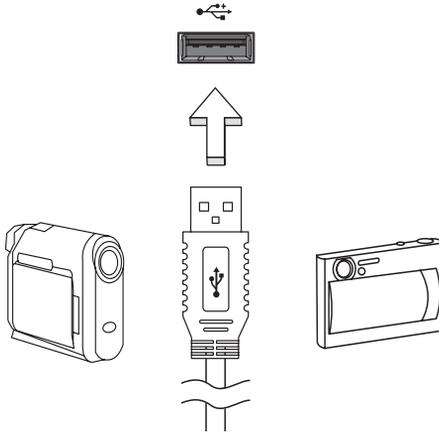
The built-in network feature allows you to connect your computer to an Ethernet-based network.

To use the network feature, connect an Ethernet cable from the network jack on the computer to a network jack or hub on your network.



## Universal Serial Bus

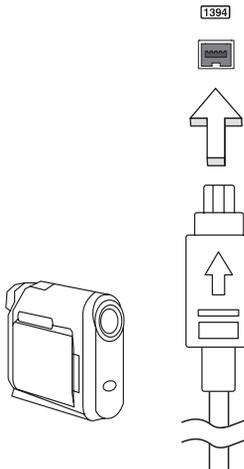
The USB 2.0 port is a high-speed serial bus which allows you to connect USB peripherals without taking up precious system resources.



## IEEE 1394 port

The computer's IEEE 1394 port allows you to connect to an IEEE 1394-compatible device like a video camera or digital camera.

See your video or digital camera's documentation for details.



## PC Card slot

The Type II PC Card slot of the computer accepts PC Cards that enhance the usability and expandability of the computer. These cards should have a PC Card logo on them.

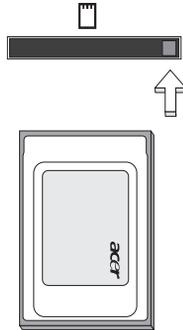
PC Cards (formerly PCMCIA) are add-on cards for portable computers, giving you expansion possibilities long afforded by desktop PCs. Popular PC Cards include flash, fax/data modem, LAN, wireless LAN and SCSI cards. CardBus improves on the 16-bit PC card technology by expanding the bandwidth to 32 bits.



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**Note:** Refer to your card's manual for details on how to install and use the card, and its functions.

## Inserting a PC Card

Insert the card into the slot and make the proper connections (e.g., network cable), if necessary. See your card manual for details.



## Ejecting a PC Card

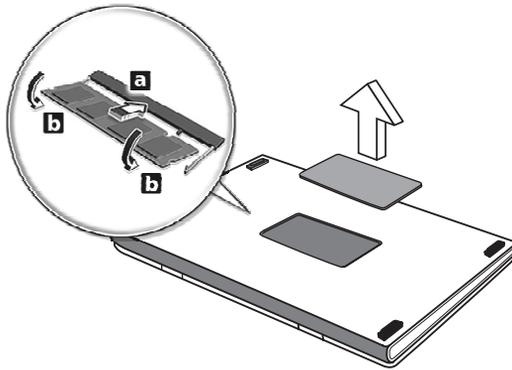
Before ejecting a PC Card:

- 1 Exit the application using the card.
- 2 Left-click on the PC Card icon on the taskbar and stop the card operation.
- 3 Press the slot eject button to pop out the eject button; then press it again to eject the card.

## Installing memory

Follow these steps to install memory:

- 1 Turn off the computer, unplug the AC adaptor (if connected) and remove the battery pack. Then turn the computer over to access its base.
- 2 Remove the screws from the memory cover; then lift up and remove the memory cover.
- 3 (a) Insert the memory module diagonally into the slot, then (b) gently press it down until it clicks into place.



- 4 Replace the memory cover and secure it with the screw.
- 5 Reinstall the battery pack, and reconnect the AC adaptor.
- 6 Turn on the computer.

The computer automatically detects and reconfigures the total memory size. Please consult a qualified technician or contact your local Acer dealer.

## BIOS Utility

The BIOS Utility is a hardware configuration program built into your computer's BIOS.

Your computer is already properly configured and optimized, and you do not need to run this utility. However, if you encounter configuration problems, you may need to run it.

To activate the BIOS Utility, press <F2> during the POST; while the notebook PC logo is being displayed.

### Boot sequence

To set the boot sequence in the BIOS Utility, activate the BIOS Utility, then select "**Boot**" from the categories listed at the top of the screen.

### Password

To set a password on boot, activate the BIOS Utility, then select "**Security**" from the categories listed at the top of the screen. Find "**Password on boot:**" and use the F5/F6 keys to enable this feature.

## Using software

### Playing DVD movies

When the DVD drive module is installed in the optical drive bay, you can play DVD movies on your computer.

- 1 Eject the DVD tray and insert a DVD movie disc; then close the DVD tray.



**Important!** When you launch the DVD player for the first time, the program asks you to enter the region code. DVD discs are divided into 6 regions. Once your DVD drive is set to a region code, it will play DVD discs of that region only. You can set the region code a maximum of five times (including the first time), after which the last region code set will remain permanent. Recovering your hard disc does not reset the number of times the region code has been set. Refer to the table below for DVD movie region code information.

- 2 The DVD movie will automatically play after a few seconds.

Region code	Country or region
1	U.S.A., Canada
2	Europe, Middle East, South Africa, Japan
3	Southeast Asia, Taiwan, Korea (South)
4	Latin America, Australia, New Zealand
5	Former U.S.S.R., parts of Africa, India
6	People's Republic of China



**Note:** To change the region code, insert a DVD movie of a different region into the DVD drive. Please refer to the online help for more information.

# Power management

This computer has a built-in power management unit that monitors system activity. System activity refers to any activity involving one or more of the following devices: keyboard, mouse, floppy drive, hard disc, peripherals connected to the serial and parallel ports, and video memory. If no activity is detected for a period of time (called an inactivity timeout), the computer stops some or all of these devices in order to conserve energy.

This computer employs a power management scheme that supports the advanced configuration and power interface (ACPI), which allows for maximum power conservation and maximum performance at the same time. Windows handles many power-saving chores for your computer.

# Arcade

Acer Arcade is an integrated player for music, photos, DVD movies, and videos. To watch or listen, click a content button (e.g. Music, Video, etc...) on the Arcade home page.



**Cinema** - watch DVDs or VCDs

**Album** - view photos stored on your hard drive or removable media

**Video** - watch and/or edit video clips

**Music** - listen to music files in a variety of formats

**Burner** - create CDs and/or DVDs to share or archive data

**TV** - watch digital or analogue TV programs (Optional)

**Advanced Settings** - adjust Acer Arcade according to your preferences



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**Note:** While watching videos, DVDs, or slideshows your screensaver and power-saving features are unavailable. These functions are enabled when you listen to music.

## Arcade Hot keys

When running in the Windows environment, the key combinations listed below are available to control and fine-tune the features and settings of Acer Arcade.

Hot key	Function
<b>Fn+F1</b>	On-line help menu
<b>Fn+F3</b>	ePowerManagement with battery info
<b>Fn+F5</b>	Display toggle
<b>Fn+F6</b>	Screen blank
<b>Fn+F8</b>	Speaker toggle
<b>Fn + ↑</b>	Volume up; increases the speaker volume.
<b>Fn + ↓</b>	Volume down; decreases the speaker volume
<b>Fn + →</b>	Brightness up; increases the screen brightness
<b>Fn + ←</b>	Brightness down; decreases the screen brightness
<b>Fn + Home</b>	Play; press to start playing the audio track or video file. Press again to pause.
<b>Fn + Pg Up</b>	Stop; press to stop playing the audio track or video file.
<b>Fn + Pg Dn</b>	Backward; press to skip backward to the previous track or video file and start playing.
<b>Fn + End</b>	Forward; press to skip forward to the next track or video file.

## The Arcade remote control

The system also provides a remote control for a convenient way to control the features of Arcade mode.

The images below show which buttons on the remote control function in the different Arcade modes.

### Arcade Main Page



### Cinema Mode



### Album Mode



### Video Mode



### Music Mode



### TV Mode



## Finding and playing content

Clicking a button on the Arcade home page opens the corresponding feature's home page. The content pages have buttons on the left and a content browsing area on the right. If a button shows one of several choices, such as sort order, the current setting is shown by a brightly colored ball on the left side.

To pick content, click an item in the content area. When there is more than one CD or DVD drive, all drives will be shown. Pictures and videos are shown as files (with thumbnails) and organized into folders.

To browse a folder, click to open it. To go back up to the folder above it, click the **Up one level** button. If there is more content than will fit on a page, use the buttons at the lower right to scroll through the pages.

## Advanced Settings

There are settings in Acer Arcade that allow you to fine tune its performance to your machine and your personal preferences. The Settings page is reached by the **Advanced Settings** button on the Home page.

Use the "Screen ratio" setting to choose between standard (4:3) or widescreen (16:9) display.



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**Note:** If your speakers are not capable of outputting low frequency signals, it is recommended that you do not select this option in order to avoid damaging your speakers.

"Audio output" should be set to "Stereo" if you are listening to speakers, or "Virtual surround sound" if you are using headphones.

Click **About Acer Arcade** to open a page with version and copyright information.

Click **Restore to factory settings** to return the Acer Arcade settings to their default values.

## Arcade controls

When watching video clips, movies, or slideshows as full-screen visual content two pop-up control panels are shown when you move the mouse. They automatically disappear after several seconds. The "Navigation controls" panel appears at the top and the "Player controls" panel appears at the bottom of the screen.

### Navigation controls

To return to the Arcade home page, click the **Home** button in the upper left corner of the window. To go up one folder level while searching for content, click **Up one level**. To return to a previous screen, click **Return**. The buttons in the upper right (Minimize, Maximize, and Close) have standard PC behaviours.

To quit Arcade, click the **Close** button in the upper right corner of the window. You can also click **To PC**.

### Player controls

At the bottom of the window, the player controls - used for video, slideshows, movies and music - are shown. The group on the left provides standard playback controls (play, pause, stop, etc...). The group on the right controls volume (mute and volume up/down).



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**Note:** When playing DVDs, there are additional controls added to the right of the volume controls. These are discussed in more detail in the Cinema section of this guide.

## Cinema

If your computer came with a DVD drive, you can play movies from DVDs and Video CDs (VCDs) with the Cinema function of Acer Arcade. This player has the features and controls of a typical DVD player.

When you insert a disc into the DVD drive, the movie begins playing automatically. To control the movie, the pop-up player control panel appears at the bottom of the window when you move the mouse.

If more than one optical drive contains a playable disc, click the **Cinema** button on the Home page to open the Cinema content page - then select the disc from the list on the right you'd like to watch.

When viewing DVDs, the following special controls are added to the pop-up panel:

- DVD Menu
- Subtitle
- Language
- Angle

The disc currently playing will be shown in the area above the list of drives. This page is also displayed when you press the "Stop" button during a movie. The buttons on the left side allow you to resume the movie from the point it was stopped, restart the movie from the beginning, jump to the DVD menu, eject the disc, or go to the DVD Settings page.

## DVD settings

There are two types of DVD settings - "Video" and "Language." Click the appropriate button to open its settings page.

### Video

The Video settings control the video output of DVDs/VCDs.

"Use hardware acceleration" takes advantage of the special processing power in some graphics cards to reduce CPU loading when playing back DVDs and some video files. If you have problems with video quality, try turning this option "Off."

Select an output type:

- **4:3 Standard** or **16:9 Widescreen** according to your display preferences
- The **Letterbox** option displays complete widescreen movie content in its original aspect ratio and adds black bars at the top and bottom of the screen.
- The **Pan & Scan** feature is for DVD titles with a widescreen aspect ratio.
- **Cinema vision** is a nonlinear video stretching technology that produces minimal distortion in the center of the picture.
- **Stretch** stretches the video display to the size of the display screen.

The "Color profile" option allows you to select from a list of color configurations to change the overall color of the video content during playback. "Original" uses the color scheme of the disc you are watching, while "Vivid," "Bright," and "Theatre" add enhanced color to the video display.

"Clear vision" is a video enhancement technology that detects video content and dynamically adjusts the brightness/contrast/saturation levels so that you do not need to change the color settings if the movie you are watching contains scenes that are overly dark or too bright.

Click **Restore to factory settings** to return the settings to their default values.

## Language

The Language settings control the audio and subtitle output of DVDs/VCDs.

"Subtitle" selects the default subtitle language for DVDs when available. The factory setting is "Off."

"Closed caption" turns on the closed captions on DVDs. This function displays captions encoded in the video signal that describe on screen action and dialogue for the hearing impaired. The factory setting is "Off."

"Audio" selects the default language for DVD titles.

# Album

Acer Arcade lets you view digital photos individually or as a slideshow, from any available drive on your computer. Click **Album** button on the Arcade Home page to show the Album main page.



The content area on the right shows both individual pictures and folders. Click on a folder to open it.



To view a slideshow, open the folder containing the pictures you wish to view - then click **Play slideshow**. The slideshow is played full-screen. Use the pop-up control panel to control the slideshow.

To rotate a picture in full-screen, click **Rotate right** or **Rotate left**.

You can also view a single picture by clicking on it. This opens the picture full-screen.

## Slideshow settings

To change slideshow settings click the **Settings** button on the Album page.

The "Slide duration" setting determines how long each slide is shown before automatically advancing to the next picture in the slideshow.

The "Transition effects" setting sets the style of transition used between pictures.

To add background music to a slideshow, set the "Play music during slideshow" option to "Yes." The select music page asks you to choose music from your personal music library.

Click **Restore to factory settings** to return your settings to their default values.

## Video

To open the Video function, click **Video** on the Arcade Home page, to open the Video Home page.



**Note:** The Video feature is designed for video file playback of MPEG1, MPEG2 (if a DVD drive is installed), AVI, WMV, and ASF formats. If you want to watch a DVD or VCD use the Cinema function.

Two options are shown on the Video page - "Video Play" or "Video Edit."

### Playing a video file

Click **Video Play** to watch video files. The Video page shows the video files in the content area on the right side. They are organized by folders and a thumbnail image shows the first frame of the video.

To play a video file, click on it. the video will play full-screen. The pop-up control panel will appear at the bottom of the screen when you move the mouse. To return to the Video page, click "Stop."

### Video Authoring

Click the **Video Authoring** button to open the PowerProducer program.

PowerProducer allows you to finalize your digital video productions and burn them to disc. Before you produce your movie using PowerProducer, first gather (or create) its component parts: video clips, photos, and background music. You may collect raw footage yourself with a camcorder or other recording device, or you may simply use files that you have on hand. You may even have already created your own movie in a video editing software program.

When your movie is ready for production, that's the time to use PowerProducer. Because PowerProducer offers basic video editing tools, your movie does not have to be perfectly polished at this stage.

PowerProducer's production functions include the following:

- burns CDs, DVDs, VCDs, SVCDs, and editable DVDs
- erases rewritable discs that contain unwanted content
- copies discs
- defragments discs for appending video content

- burns DV content straight to DVD
- sets chapters within video content
- adds background music to videos and menus
- offers custom menu layouts for buttons, frames, and backgrounds
- captures from DVD, firewire devices, analog capture cards, USB devices, and files

For help with authoring video, refer to PowerProducer's online help system.

## Music

For convenient access to your music collection, click **Music** on the Arcade Home page to open the Music Home page.

Select the folder that contains the music you want to listen to. Click "Play" to listen to the entire CD from the beginning, or select the song that you want to hear from the list in the content area.

The songs in the folder are shown in the content area, while the left side has controls for "Play", "Random", and "Repeat all." The Visualize option allows you to watch computer generated visualizations while you listen to music. When playing music, the control panel at the bottom of the page makes it easy to adjust the volume and control play-back.

To rip music from a CD, click **Rip CD**. In the page that opens, select the songs you would like to rip (or click "Select"/"Clear all") - then click "Rip now".

## Burner

NTI CD/DVD-Maker simplifies today's digital lifestyle by providing an easy and complete solution for recording data, audio, photos or video. Now you can burn and share anything on CD/DVD - your music just the way you like it, your photos, your videos. Even copy your critical data faster and easier than ever before.

### Copy - backup your CD/DVD collection

Make backup copies of (non-copy protected) CDs in just a few clicks of your mouse. Copy non-copy protected DVDs too!

### Audio - create your own greatest hits CDs

Create better sounding music in a snap. Burn your favourite songs to CD so you can listen to them on any CD player. Convert songs from

your music collection to MP3 and other popular audio formats. Even create MP3 CDs with over 100 of your favourite songs and listen to them on your PC or MP3 CD player.

## Data - store files simply and easily

Copy your computer's hard drive files for easy recovery in the event of a crash. archiving your data on CD/DVD eliminates the need for extra hard drives.

## Video - your world in pictures

Turn digital photos into a Slideshow VCD with background music that can be played by most DVD players. Bring new life to your video clips and share any event with your friends and family for playback on most DVD players. You can even add customized menus to Video CDs and Super Video CDs.

For Specific details about each of these options, consult the User's Guide or click the **Help** button to open NTI CD/DVD-Maker's help menu.

## TV

PowerCinema allows you to watch TV from your computer. Click the TV button on the Home page to show the TV main page.

The **Full screen** option plays TV content at full screen. (Press the **Backspace** key or double-click anywhere on the screen to return to PowerCinema.)

When you watch TV, additional buttons appear on the playback controls: **Record** (records TV content as a video file), **Previous channel** (switches down one channel), **Next channel** (switches up one channel), **Window mode** (toggles the PowerCinema program between a Windows panel and full screen), and **TeleText** (opens the TeleText function), **Video desktop** (replaces your desktop wallpaper with the video display), and **Snapshot** (takes a snapshot of the current frame of video).

The **Recorded TV** option allows you to view files that you have recorded from the TV. See Recorded TV.

The **Schedule** option allows you to set TV recording schedules for later viewing. See Scheduling Recordings.

The **Settings** button opens a page containing TV settings. See TV Settings.

The **TV preview** option allows you to preview available TV channels. See TV Preview.

The **TeleText** option opens the TeleText function. See Using TeleText Functions.

## Instant Replay

By default, the instant replay function is enabled in PowerCinema. To create an instant replay, PowerCinema records the TV broadcast as a file, creating a slight lag between the live broadcast and the TV content that you watch. (The instant replay file cannot be saved, however, and you cannot watch this file in the Recorded TV window.) You can navigate forward and backward within the file to create an instant replay or to skip over commercials.



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**Note:** One of your local drive must contain at least 2 GB of free space in order to enable the instant replay function.

Click " || " to pause playback. Click " ►" to continue watching. Click "◀◀" to rewind, or click "▶▶" to fast forward. Click "◀" to go to the start of the instant replay recording, or click "▶" to go to the end of the instant replay recording.



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**Note:** Since the TV content you watch always lags slightly behind the live TV broadcast, going to the end of the instant replay recording is as close to watching live TV as PowerCinema permits.

## Recorded TV

The Recorded TV page shows recorded files on the Recorded TV Shows page of the Videos function. A thumbnail image shows the first frame of the file. To play a recorded TV file, click it. The video will play full screen. To return to the TV page, click Stop.

For a description of the options on this page, see Videos.

## Scheduling Recordings

To set a TV recording schedule, click **Schedule**, then **New schedule**. In the page that opens, select the **Channel** you want to record and the **Scheduling frequency**. Set the **Starting date**, **Starting time**, and **Ending time** of the program you want to record. Click **Confirm schedule** to activate the recording schedule, or Cancel to quit without accepting the schedule. (Select **Delete schedule** to remove a recording schedule you have previously created.)

Click an existing recording schedule to open it for modification. To change the order in which schedules are displayed, click **Sort by channel** or **Sort by date**.

## TV Preview

Click the **TV preview** button to display a wall of TV screen thumbnails, giving you a preview of each channel. The TV Preview scrolls automatically through all of the available channels. Select a thumbnail to watch the corresponding channel on the TV page.

## Using TeleText Functions

This page displays TeleText listings with different kinds of information. To return to the main TV page, press the **Backspace** key on your keyboard.

To navigate within the TeleText function, you can:

- Click the yellow or blue headlines to open the first page of listings on the corresponding TeleText page.
- Click an onscreen page number to jump to that page.
- Use the keyboard number buttons to enter a page number directly.
- Choose the up/down buttons on the remote to go to the previous/next page.
- Click the red - or green + button to go to the previous/next page.
- Press the **Backspace** button on the keyboard or the **Back** button on the remote to return to the main TV page.

## TV Settings

To change picture settings, click the **TV** button on the Settings page (or the **Settings** button on the main TV page). There are two types of TV settings: TV Signal and Channels.

### TV Signal

In the **TV Source** option, select if your TV receives signals from an antenna or a cable.

The **Country** option allows you to select the country or region where your cable provider is located.

The **Recording quality** option allows you to set the quality of video recorded from TV. Selecting a higher quality results in a larger recorded file when recording TV shows.

The **Audio source** option allows you to select your audio input source from a list of available sources.

The **Audio mode** option allows you to set your audio output as **Mono**, **Stereo**, or **SAP**. The **SAP** (Second Audio Program) option is an enhanced audio signal that can be used to augment the main audio or to provide an audio translation or other information.

Click the **Restore default settings** button to return your settings to their default values.

## Channels

The **Channel List** contains all of the TV channels available in PowerCinema. By default, all available channels are enabled. To disable a channel in the list, uncheck it. Disabled channels are not available for selection when you return to the TV page to watch TV.

To move a channel in your Favorite Channels list, click it then click the new location (or use the up/down arrow keys and press Enter). The channel is moved to the new location in the list.

To rename a channel in the list, click on it, then enter the new name.

If no channel list exists, click **Scan channels**. Your computer will scan and list the available TV channels.

## File type compatibility

Mode	Supported	Not Supported
Cinema	DVD/ SVCD VCD/MiniDVD	DTS, Linear PCM, TruSurroundXT, SRS, DVD audio
Video	ASF/WMV/AVI MPEG1/2, DivX (requires codec)	DVD navigator, SVCD, M2V, MOV, Flash
Album	BMP, JPG, PNG	GIF, TIF, PSD, ICO
Music	MP3, WMA, WAV, CDA (Audio CD)	DVD audio, SACD

**Note:** Auto media detection will only function under main menu.

# Troubleshooting

This chapter shows you how to deal with common system problems. Read it before calling a technician if a problem occurs. Solutions to more serious problems require opening up the computer. Do not attempt to open the computer by yourself. Contact your dealer or an authorized service center for assistance.

## Frequently-asked questions

The following is a list of possible situations that may arise during the use of your computer. Easy answers and solutions are provided for each one.

I pressed the power button and opened the display, but the computer does not start or boot-up.

Look at the power indicator:

- If it is not lit, no power is being supplied to the computer. Check the following:
  - If you are running on battery power, it may be low and unable to power the computer. Connect the AC adaptor to recharge the battery pack.
  - Make sure that the AC adaptor is properly plugged into the computer and to the power outlet.
- If it is lit, check the following:
  - Is a non-bootable (non-system) disc in the external USB floppy drive? Remove or replace it with a system disc and press **<Ctrl>+<Alt>+<Del>** to restart the system.

Nothing appears on the screen.

The computer's power management system automatically blanks the screen to save power. Press any key to turn the display back on.

If pressing a key does not turn the display back on, three things might be the cause:

- The brightness level might be too low. Press **<Fn>+<→>** (increase) to adjust the brightness level.
- The display device might be set to an external monitor. Press the

display toggle hot key <Fn>+<F5> to toggle the display back to the computer.

- If the Sleep indicator is lit, the computer is in Sleep mode. Press and release the power button to resume.

Image is not full-screen.

The computer display has a native resolution of 1280 x 800 (WXGA) for the 15.4" screen. If you set the resolution lower than this, the screen expands to fill the computer display. Right-click on your Windows desktop and select Properties to bring up the **Display Properties** dialog box. Then click on the Settings tab to make sure that the resolution is set to the appropriate resolution. Resolutions lower than the specified resolution are not full-screen on the computer or on an external monitor.

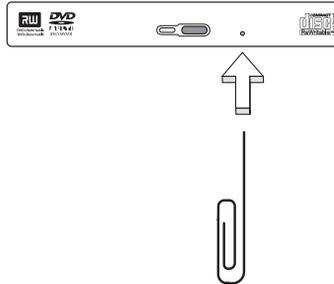
No audio is heard from the computer.

Check the following:

- The volume may be muted. In Windows, look at the volume control (speaker) icon on the taskbar. If it is crossed-out, click on the icon and deselect the Mute option.
- The volume level may be too low. In Windows, look at the volume control icon on the taskbar. You can also use the volume control buttons to adjust the volume. See "**Hot keys**" on page 15 for more detail.
- If headphones, earphones or external speakers are connected to the line-out port on the computer, the internal speakers automatically turn off.

I want to eject the optical drive tray without turning on the power. I cannot eject the optical drive tray.

There is a mechanical eject button on the optical drive. Simply insert the tip of a pen or paperclip and push to eject the tray.



The keyboard does not respond.

Try attaching an external keyboard to a USB 2.0 port on the computer. If it works, contact your dealer or an authorized service center as the internal keyboard cable may be loose.

The printer does not work.

Check the following:

- Make sure that the printer is connected to a power outlet and that it is turned on.
- Make sure that the printer cable is connected securely to the computer's parallel or a USB port and the corresponding port on the printer.

I want to set up my location to use the internal modem.

To properly use your communication software (e.g. HyperTerminal), you need to set up your location:

- 1 Click on **Start, Settings, Control Panel**.
- 2 Double-click on **Modems**.
- 3 Click on **Dialing Properties** and begin setting up your location.

Refer to the Windows manual.



Please note, on first booting your notebook, that you can skip the Internet Connection setup, as it is not necessary to affect the installation of your overall Operating System. After the Operating System is setup, you can proceed with the Internet Connection setup.

## Troubleshooting tips

This notebook computer incorporates an advanced design that delivers onscreen error message reports to help you solve problems.

If the system reports an error message or an error symptom occurs, see **"Error messages" below**. If the problem cannot be resolved, contact your dealer. See **"Requesting service" on page 61**.

## Error messages

If you receive an error message, note the message and take the corrective action. The following table lists the error messages in alphabetical order together with the recommended course of action.

Error messages	Corrective action
CMOS battery bad	Contact your dealer or an authorized service center.
CMOS checksum error	Contact your dealer or an authorized service center.
Disc boot failure	Insert a system (bootable) disc into the floppy drive (A:), then press <Enter> to reboot.
Equipment configuration error	Press <F2> (during POST) to enter the BIOS Utility; then press <b>Exit</b> in the BIOS Utility to reboot.
Hard disc 0 error	Contact your dealer or an authorized service center.
Hard disc 0 extended type error	Contact your dealer or an authorized service center.

Error messages	Corrective action
I/O parity error	Contact your dealer or an authorized service center.
Keyboard error or no keyboard connected	Contact your dealer or an authorized service center.
Keyboard interface error	Contact your dealer or an authorized service center.
Memory size mismatch	Press <F2> (during POST) to enter the BIOS Utility; then press <b>Exit</b> in the BIOS Utility to reboot.

If you still encounter problems after going through the corrective measures, please contact your dealer or an authorized service center for assistance. Some problems may be solved using the BIOS Utility.

## Requesting service

### International Travelers Warranty (ITW)

Your computer is backed by an International Travelers Warranty (ITW) that gives you security and peace of mind when traveling. Our worldwide network of service centers are there to give you a helping hand.

An ITW passport comes with your computer. This passport contains all you need to know about the ITW program. A list of available, authorized service centers is in this handy booklet. Read this passport thoroughly.

Always have your ITW passport on hand, especially when you travel, to receive the benefits from our support centers. Place your proof-of-purchase in the flap located inside the front cover of the ITW passport.

If the country you are traveling in does not have an Acer-authorized ITW service site, you can still get in contact with our offices worldwide.

Please consult <http://global.acer.com>

## Before you call

Please have the following information available when you call Acer for online service, and please be at your computer when you call. With your support, we can reduce the amount of time a call takes and help solve your problems efficiently.

If there are error messages or beeps reported by your computer, write them down as they appear on the screen (or the number and sequence in the case of beeps).

You are required to provide the following information:

Name: \_\_\_\_\_

Address: \_\_\_\_\_

\_\_\_\_\_

Telephone number: \_\_\_\_\_

Machine and model type: \_\_\_\_\_

Serial number: \_\_\_\_\_

Date of purchase: \_\_\_\_\_

# Regulations and safety notices

## Energy Star Guidelines Compliance

As an Energy Star partner, Acer Inc. has determined that this product meets the Energy Star guidelines for energy efficiency.

## FCC notice

This device has been tested and found to comply with the limits for a Class B digital device pursuant to Part 15 of the FCC rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This device generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications.

However, there is no guarantee that interference will not occur in a particular installation. If this device does cause harmful interference to radio or television reception, which can be determined by turning the device off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the device and receiver.
- Connect the device 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.

## Notice: Shielded cables

All connections to other computing devices must be made using shielded cables to maintain compliance with FCC regulations.

## Notice: Peripheral devices

Only peripherals (input/output devices, terminals, printers, etc.) certified to comply with the Class B limits may be attached to this equipment. Operation with non-certified peripherals is likely to result in interference to radio and TV reception.

## Caution

Changes or modifications not expressly approved by the manufacturer could void the user's authority, which is granted by the Federal Communications Commission, to operate this computer.

## Operation conditions

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, and (2) this device must accept any interference received, including interference that may cause undesired operation.

## Notice: Canadian users

This Class B digital apparatus complies with Canadian ICES-003.

## Remarque à l'intention des utilisateurs canadiens

Cet appareil numérique de la classe B est conforme à la norme NMB-003 du Canada.

## Declaration of Conformity for EU countries

Hereby, Acer, declares that this Notebook PC series is in compliance with the essential requirements and other relevant provisions of Directive 1999/5/EC. (Please visit <http://global.acer.com/products/notebook/reg-nb/index.htm> for complete documents.)

## Modem notices

### Notice for USA

This equipment complies with Part 68 of the FCC rules. Located on the modem is a label that contains, among other information, the FCC Registration Number and Ringer Equivalence Number (REN) for this equipment. Upon request, you must provide this information to your telephone company.

If your telephone equipment causes harm to the telephone network, the telephone company may discontinue your service temporarily. If possible, they will notify you in advance. But, if advance notice is not practical, you will be notified as soon as possible. You will also be informed of your right to file a complaint with the FCC.

Your telephone company may make changes in its facilities, equipment, operations, or procedures that could affect the proper functioning of your equipment. If they do, you will be notified in advance to give you an opportunity to maintain uninterrupted telephone service.

If this equipment should fail to operate properly, disconnect the equipment from the phone line to determine if it is causing the problem. If the problem is with the equipment, discontinue use and contact your dealer or vendor.



**Caution:** To reduce the risk of fire, use only No. 26 AWG or larger UL Listed or CSA Certified Telecommunication Line Cord.

## TBR 21

This equipment has been approved [Council Decision 98/482/EC - "TBR 21"] for single terminal connection to the Public Switched Telephone Network (PSTN). However, due to differences between the individual PSTNs provided in different countries, the approval does not, of itself, give an unconditional assurance of successful operation on every PSTN termination point. In the event of problems, you should contact your equipment supplier in the first instance.

## List of Applicable Countries

EU member states as of May 2004 are: Belgium, Denmark, Germany, Greece, Spain, France, Ireland, Italy, Luxembourg, the Netherlands, Austria, Portugal, Finland, Sweden, United Kingdom, Estonia, Latvia, Lithuania, Poland, Hungary, Czech Republic, Slovak Republic, Slovenia, Cyprus and Malta. Usage allowed in the countries of European Union, as well as Norway, Switzerland, Iceland and Liechtenstein. This device must be used in strict accordance with the regulations and constraints in the country of use. For further information, please contact local office in the country of use.

## Notice for Australia

For safety reasons, only connect headsets with a telecommunications compliance label. This includes customer equipment previously labelled permitted or certified.

## Notice for New Zealand

### For modem with approval number PTC 211/03/008

- 1 The grant of a Telepermit for any item of terminal equipment indicates only that Telecom has accepted that the item complies with minimum conditions for connection to its network. It indicates no endorsement of the product by Telecom, nor does it provide any sort of warranty. Above all, it provides no assurance that any item will work correctly in all respects with another item of Telepermitted equipment of a different make or model, nor does it imply that any product is compatible with all of Telecom's network services.
- 2 This equipment is not capable, under all operating conditions, of correct operation at the higher speeds for which it is designed. Telecom will accept no responsibility should difficulties arise in such circumstances.
- 3 Some parameters required for compliance with Telecom's Telepermit requirements are dependent on the equipment (PC) associated with this device. The associated equipment shall be set to operate within the following limits for compliance with Telecom's Specifications:
  - a There shall be no more than 10 call attempts to the same number within any 30 minute period for any single manual call initiation, and
  - b The equipment shall go on-hook for a period of not less than 30 seconds between the end of one attempt and the beginning of the next call attempt.
- 4 Some parameters required for compliance with Telecom's Telepermit requirements are dependent on the equipment (PC) associated with this device. In order to operate within the limits for compliance with Telecom's specifications, the associated equipment shall be set to ensure that automatic calls to different numbers are spaced such that there is not less than 5 seconds between the end of one call attempt and the beginning of another.
- 5 This equipment shall not be set up to make automatic calls to Telecom's 111 Emergency Service.

### For modem with approval number PTC 211/01/030

- 1 The grant of a Telepermit for any item of terminal equipment indicates only that Telecom has accepted that the item complies with minimum conditions for connection to its network. It

indicates no endorsement of the product by Telecom, nor does it provide any sort of warranty. Above all, it provides no assurance that any item will work correctly in all respects with another item of Telepermitted equipment of a different make or model, nor does it imply that any product is compatible with all of Telecom's network services.

- 2 This equipment is not capable, under all operating conditions, of correct operation at the higher speeds for which it is designed. Telecom will accept no responsibility should difficulties arise in such circumstances.
- 3 This device is equipped with pulse dialing while the Telecom standard is DTMF tone dialing. There is no guarantee that Telecom lines will always continue to support pulse dialing.
- 4 Use of pulse dialing, when this equipment is connected to the same line as other equipment, may give rise to bell tinkle or noise and may also cause a false answer condition. Should such problems occur, the user should NOT contact the telecom Fault Service.
- 5 This equipment may not provide for the effective hand-over of a call to another device connected to the same line.
- 6 Under power failure conditions this appliance may not operate. Please ensure that a separate telephone, not dependent on local power, is available for emergency use.
- 7 Some parameters required for compliance with Telecom's Telepermit requirements are dependent on the equipment (PC) associated with this device. The associated equipment shall be set to operate within the following limits for compliance with Telecom's specifications, the associated equipment shall be set to ensure that calls are answered between 3 and 30 seconds of receipt of ringing.
- 8 This equipment shall not be set up to make automatic calls to Telecom's 111 Emergency Service.

## Important safety instructions

Read these instructions carefully. Save them for future reference.

- 1 Follow all warnings and instructions marked on the product.
- 2 Unplug this product from the wall outlet before cleaning. Do not use liquid cleaners or aerosol cleaners. Use a damp cloth for cleaning.
- 3 Do not use this product near water.

- 4 Do not place this product on an unstable cart, stand, or table. The product may fall, causing serious damage to the product.
- 5 Slots and openings are provided for ventilation; to ensure reliable operation of the product and to protect it from overheating. These openings must not be blocked or covered. The openings should never be blocked by placing the product on a bed, sofa, rug, or other similar surface. This product should never be placed near or over a radiator or heat register, or in a built-in installation unless proper ventilation is provided.
- 6 This product should be operated from the type of power indicated on the marking label. If you are not sure of the type of power available, consult your dealer or local power company.
- 7 Do not allow anything to rest on the power cord. Do not locate this product where persons will walk on the cord.
- 8 If an extension cord is used with this product, make sure that the total ampere rating of the equipment plugged into the extension cord does not exceed the extension cord ampere rating. Also, make sure that the total rating of all products plugged into the wall outlet does not exceed the fuse rating.
- 9 Never push objects of any kind into this product through cabinet slots as they may touch dangerous voltage points or short out parts that could result in a fire or electric shock. Never spill liquid of any kind on the product.
- 10 Do not attempt to service this product yourself, as opening or removing covers may expose you to dangerous voltage points or other risks. Refer all servicing to qualified service personnel.
- 11 Unplug this product from the wall outlet and refer servicing to qualified service personnel under the following conditions:
  - a When the power cord or plug is damaged or frayed.
  - b If liquid has been spilled into the product.
  - c If the product has been exposed to rain or water.
  - d If the product does not operate normally when the operating instructions are followed. Adjust only those controls that are covered by the operating instructions since improper adjustment of other controls may result in damage and will often require extensive work by a qualified technician to restore the product to normal condition.
  - e If the product has been dropped or the case has been damaged.

- f If the product exhibits a distinct change in performance, indicating a need for service.
- 12 The Notebook PC series uses lithium batteries. Replace the battery with the same type as the product's battery we recommend in the product specification list. Use of another battery may present a risk of fire or explosion.
- 13 **Warning!** Batteries may explode if not handled properly. Do not disassemble or dispose of them in fire. Keep them away from children and dispose of used batteries promptly.
- 14 To avoid hazard of unexpected electrical shock, use the AC adaptor only when the wall socket is properly grounded.
- 15 Use only the proper type of power supply cord set (provided in your accessories box) for this unit. It should be a detachable type: UL listed/CSA certified, type SPT-2, rated 7 A 125 V minimum, VDE approved or its equivalent. Maximum length is 15 feet (4.6 metres).
- 16 Always disconnect all telephone lines from the wall outlet before serving or disassembling this equipment.
- 17 Avoid using a telephone (other than a cordless type) during an electrical storm. There may be a remote risk of electric shock from lightning.

## Laser compliance statement

The CD or DVD drive used with this computer is a laser product. The CD or DVD drive's classification label (shown below) is located on the drive.

**CLASS 1 LASER PRODUCT**

**CAUTION: INVISIBLE LASER RADIATION WHEN OPEN. AVOID EXPOSURE TO BEAM.**

**APPAREIL A LASER DE CLASSE 1 PRODUIT**

**LASERATTENTION: RADIATION DU FAISCEAU LASER INVISIBLE EN CAS D'OUVERTURE. EVITER TOUTE EXPOSITION AUX RAYONS.**

**LUOKAN 1 LASERLAITE LASER KLASSE 1**

**VORSICHT: UNSICHTBARE LASERSTRAHLUNG, WENN ABDECKUNG GEÖFFNET NICHT DEM STRAHL AUSSETZEN**

**PRODUCTO LÁSER DE LA CLASE I**

**ADVERTENCIA: RADIACIÓN LÁSER INVISIBLE AL SER ABIERTO. EVITE EXPONERSE A LOS RAYOS.**

ADVARSEL: LASERSTRÅLING VEDÅBNING SE IKKE IND I STRÅLEN.

VARO! LAVATTAESSA OLET ALTTINA LASERSÄTEILYLLE.

VARNING: LASERSTRÅLNING NÅR DENNA DEL ÅR ÖPPNAD ÅLÅ  
TUIJOTA SÄTEESEENSTIRRA EJ IN I STRÅLEN

VARNING: LASERSTRÅLNING NAR DENNA DEL ÅR ÖPPNADSTIRRA EJ IN  
I STRÅLEN

ADVARSEL: LASERSTRÅLING NAR DEKSEL ÅPNESSTIRR IKKE INN I  
STRÅLEN

## LCD pixel statement

The LCD unit is produced with high-precision manufacturing techniques. Nevertheless, some pixels may occasionally misfire or appear as black or red dots. This has no effect on the recorded image and does not constitute a malfunction.

## Macrovision copyright protection notice

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

U.S. Patent Nos. 4,631,603, 4,577,216, 4,819,098, 4,907,093, and 6,516,132.

## Radio Device Regulatory Notice

**Note:** Below regulatory information is for models with wireless LAN and/or Bluetooth only.

## General

This product complies with the radio frequency and safety standards of any country or region in which it has been approved for wireless use. Depending on configurations, this product may or may not contain wireless radio devices (such as wireless LAN and/or Bluetooth modules). Below information is for products with such devices.

## European Union (EU)

This device complies with the essential requirements of the European Council Directives listed below:

73/23/EEC Low Voltage Directive

- EN 60950

89/336/EEC Electromagnetic Compatibility (EMC) Directive

- EN 55022
- EN 55024
- EN 61000-3-2/-3

99/5/EC Radio & Telecommunications Terminal Equipment (R&TTE) Directive

- Art.3.1a) EN 60950
- Art.3.1b) EN 301 489 -1/-17
- Art.3.2) EN 300 328-2
- Art.3.2) EN 301 893 \*applies to 5 GHz only



### List of Applicable Countries

EU member states as of May 2004 are: Belgium, Denmark, Germany, Greece, Spain, France, Ireland, Italy, Luxembourg, the Netherlands, Austria, Portugal, Finland, Sweden, United Kingdom, Estonia, Latvia, Lithuania, Poland, Hungary, Czech Republic, Slovak Republic, Slovenia, Cyprus and Malta. Usage allowed in the countries of European Union, as well as Norway, Switzerland, Iceland and Liechtenstein. This device must be used in strict accordance with the regulations and constraints in the country of use. For further information, please contact local office in the country of use.

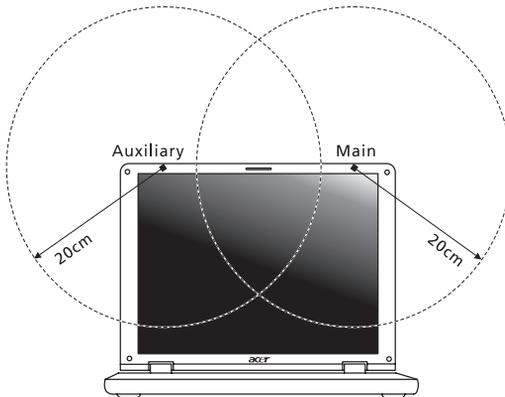
### The FCC RF safety requirement

The radiated output power of Wireless LAN Mini-PCI Card and Bluetooth card is far below the FCC radio frequency exposure limits. Nevertheless, the notebook PC series shall be used in such a manner that the potential for human contact during normal operation is minimized as follows:

- 1 Users are requested to follow the RF safety instructions on wireless option devices that are included in the user's manual of each RF option device.



**Caution:** To comply with FCC RF exposure compliance requirements, a separation distance of at least 20 cm (8 inches) must be maintained between the antenna for the integrated Wireless LAN Mini-PCI Card built in to the screen section and all persons.



**Note:** Acer Wireless Mini PCI adaptor implements a transmission diversity function. The function does not emit radio frequencies simultaneously from both antennas. One of the antennas is selected automatically or manually (by users) to ensure good-quality radiocommunication.

- 2 This device is restricted to indoor use due to its operation in the 5.15 to 5.25 GHz frequency range. FCC requires this product to be used indoors for the frequency range 5.15 to 5.25 GHz to reduce the potential for harmful interference to co-channel Mobile Satellite systems.
- 3 High power radar are allocated as primary users of the 5.25 to 5.35 GHz and 5.65 to 5.85 GHz bands. These radar stations can cause interference with and/or damage this device.
- 4 An improper installation or unauthorized use may cause harmful interference to radio communications. Also any tampering of the internal antenna will void the FCC certification and your warranty.

## Canada - Low power license-exempt radio communication devices (RSS-210)

- a Common information
  - Operation is subject to the following two conditions:
    1. This device may not cause interference, and
    2. this device must accept any interference, including interference that may cause undesired operation of the device.
  - b Operation in 2.4 GHz band
    - To prevent radio interference to the licensed service, this device is intended to be operated indoors and installation outdoors is subject to licensing.
  - c Operation in 5 GHz band
- The device for the band 5150-5250 MHz is only for indoor usage to reduce potential for harmful interference to co-channel Mobile Satellite systems.
- High power radars are allocated as primary users (meaning they have priority) of 5250-5350 MHz and 5650-5850 MHz and these radars could cause interference and/or damage to LELAN (Licence-Exempt Local Area Network) devices.

## Exposure of humans to RF fields (RSS-102)

The Notebook PC series employs low gain integral antennas that do not emit RF field in excess of Health Canada limits for the general population; consult Safety Code 6, obtainable from Health Canada's Web site at [www.hc-sc.gc.ca/rpb](http://www.hc-sc.gc.ca/rpb).



Beijing Acer Information Co., Ltd.  
Huade Building, No.18, ChuangYe Rd.,  
ShangDi Zone, HaiDian District Beijing PRC

Tel : 86-10-62972894



### Declaration of Conformity for CE marking

We,  
Beijing Acer Information Co., Ltd.  
Huade Building, No.18, ChuangYe Rd.,  
ShangDi Zone, HaiDian District Beijing PRC

Contact Person: Mr. Easy Lai  
Tel: 886-2-8691-3089 Fax: 886-2-8691-3000  
E-mail: [easy\\_lai@acer.com.tw](mailto:easy_lai@acer.com.tw)

Hereby declare that:

Product:	Notebook PC
Trade Name:	Acer
Model Number:	DL71
Machine Type:	Aspire 910xxx
SKU Number:	Aspire 910xxx ("x" = 0~9, a ~ z, or A ~Z)

Is in compliance with the essential requirements and other relevant provisions of the following EC directives.

Reference No.	Title
89/336/EEC	Electromagnetic Compatibility (EMC directive)
73/23/EEC	Low Voltage Directive (LVD)
1999/5/EC (R&TTE)	Radio & Telecommunications Terminal Equipment Directive

The product specified above was tested conforming to the applicable Rules under the most accurate measurement standards possible, and that all the necessary steps have been taken and are in force to assure that production units of the same product will continue to comply with the requirements.

*Easy Lai*

Easy Lai/ Director  
Qualification Center  
Product Assurance,.

2004/12/22

Date



**Acer America Corporation**  
2641 Orchard Parkeay, San Jose  
CA 95134, U. S. A.

Tel : 408-922-2909  
Fax : 408-922-2606  
www.acer.com



### Federal Communications Commission Declaration of Conformity

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, and (2) this device must accept any interference received, including interference that may cause undesired operation.

The following local Manufacturer /Importer is responsible for this declaration:

Product:	Personal Computer
Model Number:	DL71
Machine Type:	Aspire 910xxx
SKU Number:	Aspire 910xxx ("x" = 0-9, a-z, or A-Z)
Name of Responsible Party:	Acer America Corporation
Address of Responsible Party:	2641 Orchard Parkeay, San Jose CA 95134, U. S. A.
Contact Person:	Mr. Young Kim
Phone No.:	408-922-2909
Fax No.:	408-922-2606
Dec 22, 2004	



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