Veriton 7700G
User's Guide

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Veriton 7700G User's Guide

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Contents

1 First things first 1
System specifications 3
Package contents 5
Accessing the user's guide 5

2 System tour 7
Features 9
Performance 9
Multimedia 9
Connectivity 9
Front panel 10
Rear panel 12
Keyboard 14
Internet/E-mail/Search keys 15
Multimedia keys 16
Volume control/Mute keys 17
Lock keys 18
Cursor keys 19
Windows keys 19
Function keys 20
Palm rest 20
Optical drive 21
To take care of your CDs and DVDs 22
Hard disk 23

3 Setting up your computer 25
Arranging a comfortable work area 27
Adjusting your chair 27
Positioning your PC 27
Positioning your monitor 28
Positioning your keyboard 28
Positioning your mouse 29
Connecting peripherals 30
Connecting your mouse 30
USB mouse 30
PS/2 mouse 31
Connecting your keyboard 32
USB keyboard 32
PS/2 keyboard 33
Connecting a monitor 34
Connecting the power cable 35
Turning on your computer 36
Turning off your computer 37

Connecting options 38
Connecting your printer 38
Connecting the modem (optional) 39
Connecting to the network 40
Connecting multimedia devices 41
Connecting USB devices 45

4 Upgrading your computer 47
Installation precautions 49
ESD precautions 49
Preinstallation instructions 49
Installation precautions 49
ESD precautions 49
Preinstallation instructions 49
Post-installation instructions 50
Opening your computer 51
To remove the side panel 51
To replace the side panel 52
Internal components 54
System boards 55
Mainboard layout 55
Audio board 58
Upgrading your computer 59
Installing additional memory 59
To remove a DDR DIMM 59
To install a DDR DIMM 60
To reconfigure your computer 61
Replacing the hard disk 61
Installing an expansion card 62

5 System utilities 65
Acrobat Reader 68
Acer LANScope (optional) 69
Norton AntiVirus 70
How do I check for viruses? 70
NTI CD-Maker (for models with CD or DVD Burner) 72
PowerDVD (for models with DVD) 74
How do I open and watch a DVD? 74
BIOS utility 75
Reinstalling programs 76
Recovering your system 77
Acer Desktop Manager 83
Using Backup (Windows® XP only) 84

How do I back up files from my hard drive? 84
Disk Defragmenter (Windows® XP only) 85
How do I defragment my hard drive? 85

6 Frequently asked questions 87
Frequently asked questions 89

Appendix A: Notices 93
Energy Star Guidelines Compliance 94
FCC notice 94
Notice: Canadian users 95
Declaration of Conformity for EU countries 95
Modem notices 95
Notice for USA 95
TBR 21 96
Notice for Australia 96
Important safety instructions 96
Macrovision copyright protection notice 97
Lithium battery statement 98
Laser compliance statement 98
Declaration of Conformity for CE marking 99
Federal Communications Comission Declaration of Conformity 100

Appendix B: Taking care of your computer 103
Important tips 104
Cleaning and servicing 104
To clean your computer and keyboard 104
To clean your pointing device 105
To clean your monitor 105
When to contact a service technician 105
Asking for technical assistance 106

Index 107

1 First things first

This chapter describes the system specifications and the contents of your computer package.

System specifications

Component	Specification
Processor	• Intel® Pentium® 4 2.8 - up to 4 GHz • Intel®Celeron® 2.8 - up to 3.4 GHz
System memory	Four SDRAM slots support a maximum of 4 GB dual-channel DDR memory
Chipset	• Intel® 915G+ICH6
Graphics	Intel® 915G supporting: • DVMT technology
Audio	High Definition Audio
LAN	10/100/1000 Base-T Gigabit Ethernet connectivity
IDE	One 40 pin parallel ATA IDE slot Four Serial ATA ports
FDD	1.44 MB 3.5 inch floppy drive
PS/2	• PS/2 keyboard port • PS/2 mouse port
USB	Eight external USB 2.0 ports
Serial port	One serial port on I/O bracket (Optional 2nd serial port connection see “11” on page 56)
Printer port	One parallel printer port
Thermal	Dynamic fan speed control
Security	• Chassis lock pad • Chassis intrusion alarm
Wake system	Wake on LAN Wake on modem USB Mouse/keyboard

Component	Specification
HDD	• Paralle ATA (5400, 7200 RPM) • Serial ATA (7200 RPM)
Optical Drive	CD-ROM, CD-RW, DVD-ROM, DVD/CD-RW combo, or DVD burner/Supermulti plus
Operating system	• Windows® XP Home • Windows® XP Professional • Red Hat® Linux(driver support)
Dimensions	• Mini-Tower 438.5mm(H) /186mm(W) /475mm(D)
Gross weight	• Mini-Tower 8.5 kg/18.7lb

Package contents

Before you unpack your computer, make sure that you have enough space to set up your computer.

Carefully unpack the carton and remove the contents. If any of the following items are missing or damaged, contact your dealer immediately:

- Veriton 7700G series
- Items contained in the accessory box
  - USB or PS/2 keyboard
  - USB or PS/2 mouse
- User's guide and installation poster
- Other user documentation and third-party software

Accessing the user's guide

This user's guide is also available on your computer as an Adobe Acrobat™ PDF file.

To access the user's guide (for Windows® XP)

1 On the Windows® XP taskbar, click on the **start** button then select **Help and Support**.

2 On the Help and Support Center home page, double-click the Veriton 7700G series Online icon.

2 System tour

This chapter discusses the features and components of your computer.

Features

Here are just a few of your computer's many features:

Performance

- Intel® Pentium® 4/Celeron® supporting FSB (Front Side Bus) up to 800 /533MHz and HyperThreading™ Technology (Pentium® 4 only)
- Intel® 915G+ICH6 chipset
- DDR-SDRAM 400/333, 4 DIMM slots, Expandable to 4GB dual-channel memory
- Power management function
- CD-ROM, CD-RW, DVD-ROM, DVD/CD-RW combo, DVD-Dual, or DVD-Supermulti drive
- High-capacity, Enhanced-IDE hard disk

Multimedia

- 3-D quality audio system via onboard audio controller
- Audio-in/Line-in, Audio-out/Line-out, Headphone-out, and Microphone-in interfaces

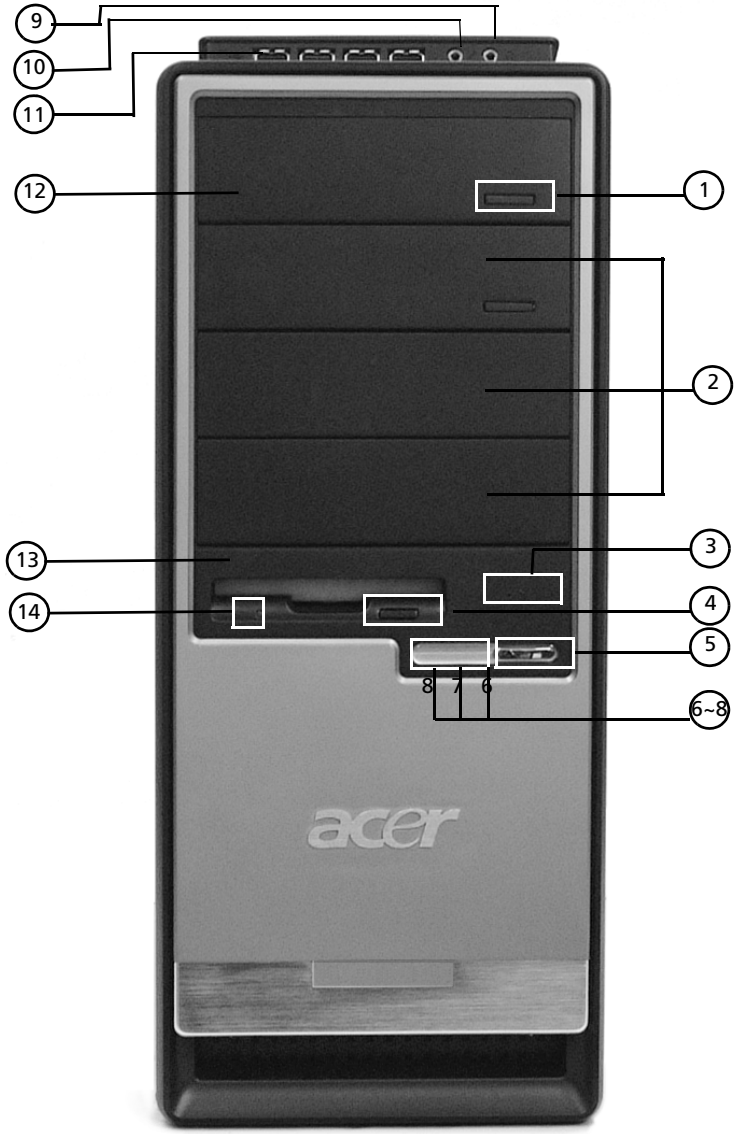
Note: The system has two microphone-in jacks (front and rear). However, you can use both of them at the same time.

Connectivity

- Two PS/2 interfaces for mouse and keyboard
- One serial port (Optional 2nd serial port connection see "11" on page 56)
- One parallel port
- One VGA port
- Eight Universal Serial Bus (USB) 2.0 ports (four on the front and four on the rear panel)
- High-speed V.92, 56K Fax/modem (optional)
- Gigabit Ethernet LAN support with remote wake-up function

Front panel

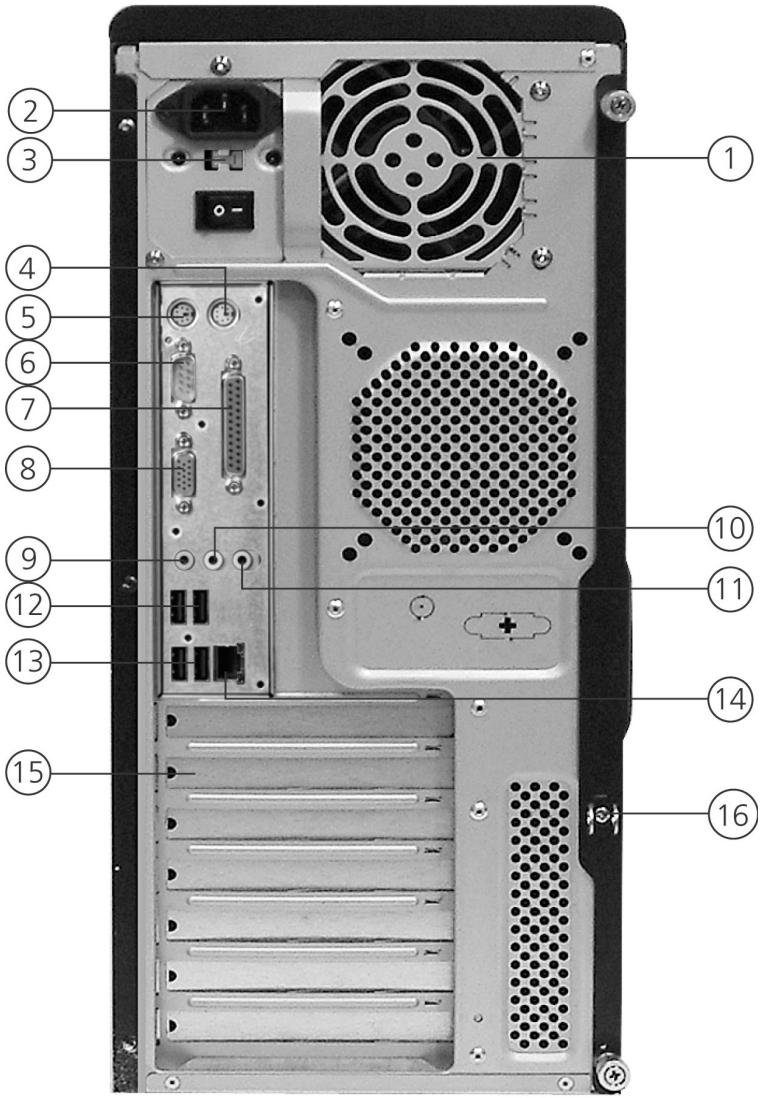
Your computer's front panel consists of the following:



Label	Icon	Component
1		Eject button for Optical Drive
2		5.25-inch drive bays
3		One button recovery slot
4		Floppy drive eject button
5		Power button
6		Hard disk activity LED
7		LAN activity LED
8		Power LED
9		Speaker-out/Line-out port
10		Microphone-in jack (front)
11		USB ports
12		Optical Drive
13		3.5-inch floppy drive
14		Floppy drive LED

Rear panel

Your computer's rear panel consists of the following:



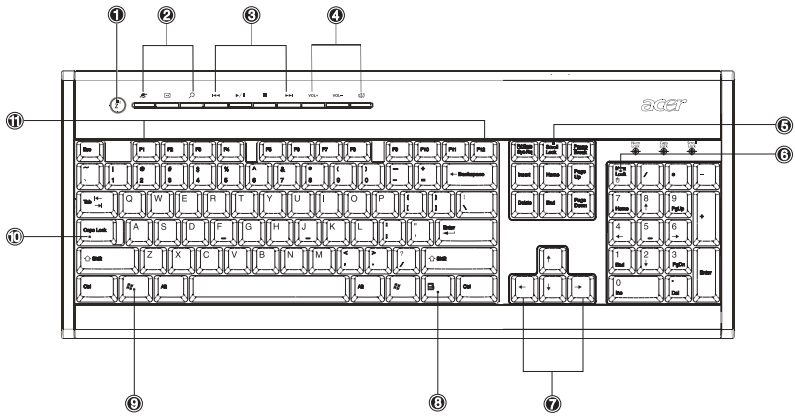
Label	Icon	Color	Component
1			Power supply
2			Power cord socket
3			Voltage selector switch
4		Green	PS/2 mouse port
5		Purple	PS/2 keyboard port
6		Teal or Turquoise	Serial port
7		Burgundy	Parallel/Printer port
8		Blue	CRT/LCD monitor port
9		Pink	Microphone-in jack (rear)
10		Lime	Audio-out/Line-out jack
11		Light blue	Audio-in/Line-in jack
12/13		Black	USB ports
14		White	Network port
15			Expansion slots
16			Chassis lock pad

For information on how to connect the peripherals, see page 30 and “Connecting options” on page 38.

Keyboard

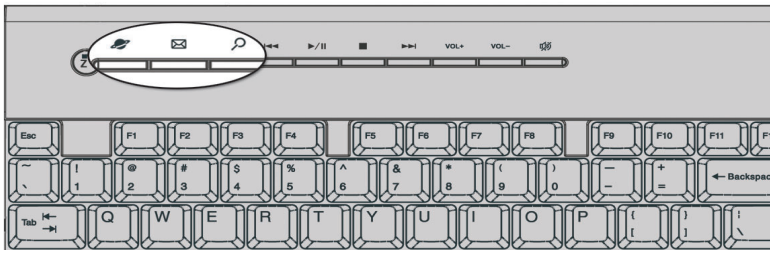
The keyboard has full-sized keys that include separate cursor keys, two Windows keys, four multimedia keys, and twelve function keys.

For information on how to connect your keyboard, see "Connecting your keyboard" on page 32.



No.	Description	No.	Description
1	Sleep button	2	Internet/E-mail/Search keys
3	Multimedia keys	4	Volume control/Mute keys
5	Scroll lock key	6	Num lock key
7	Cursor keys	8	Application key
9	Windows logo key	10	Caps lock key
11	Function keys		

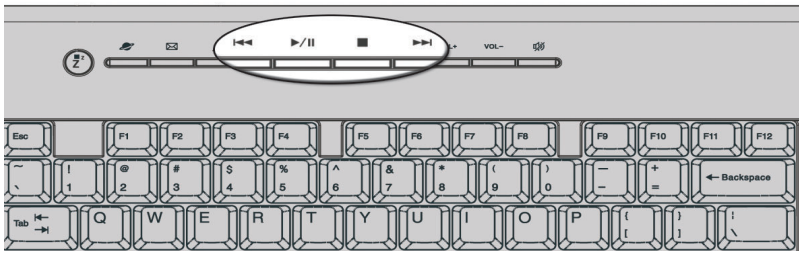
Internet/E-mail/Search keys



Icon	Key	Description
	Web browser	Launches your current default browser.
	Email	Launches your email application.
	Search	Opens a search window.

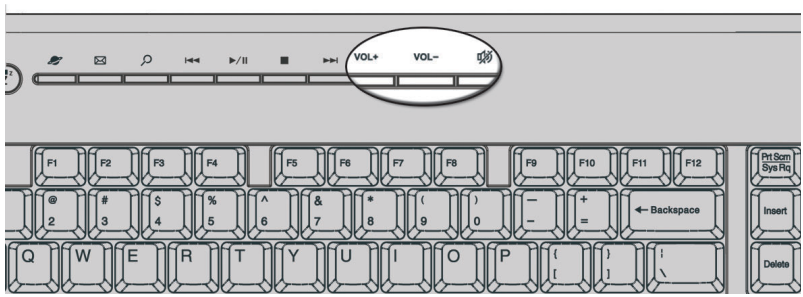
Multimedia keys

Allow you to conveniently play, pause, stop, advance, or rewind a song or movie using your keyboard.



Icon	Key	Description
⏮	Backward	Press to skip backward to the previous track or video file and start playing.
⏯	Play/Pause	Press to start playing the audio track or video file. Press again to pause.
■	Stop	Press to stop playing the audio track or video file.
⏭	Forward	Press to skip forward to the next track or video file and start playing.

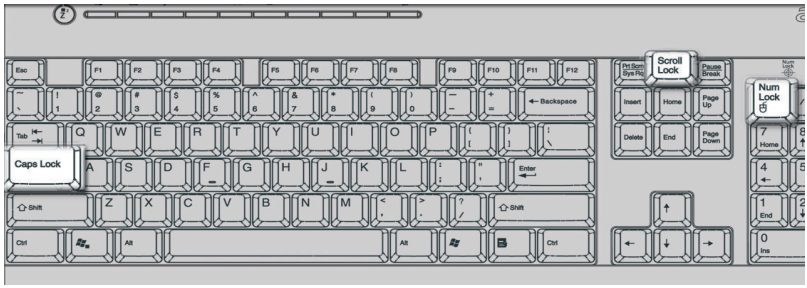
Volume control/Mute keys



Icon	Key	Description
VOL+	Volume up	Press to increase audio volume.
VOL−	Volume down	Press to decrease audio volume.
	Mute	Toggle sound on/off.

Lock keys

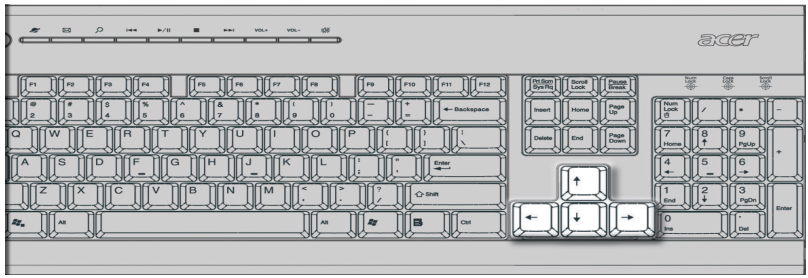
The keyboard has three lock keys which you can toggle on and off to switch between two functions.



Lock key	Description
Scroll Lock	When activated, the screen moves one line up or down when you press the up arrow or down arrow respectively. Take note that Scroll Lock may not work with some applications.
Num Lock	When activated, the keypad is set to numeric mode; i.e., the keys function as a calculator (complete with arithmetic operators such as +, -, * and /).
Caps Lock	When activated, all alphabetic characters typed appear in uppercase (same function as pressing Shift + <letter>).

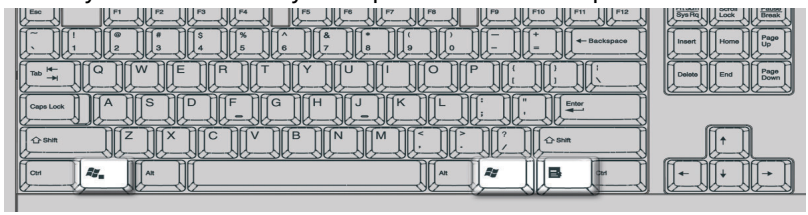
Cursor keys

The cursor keys, also called the arrow keys, let you move the cursor around the screen. They serve the same function as the arrow keys on the numeric keypad when the Num Lock is toggled off.



Windows keys

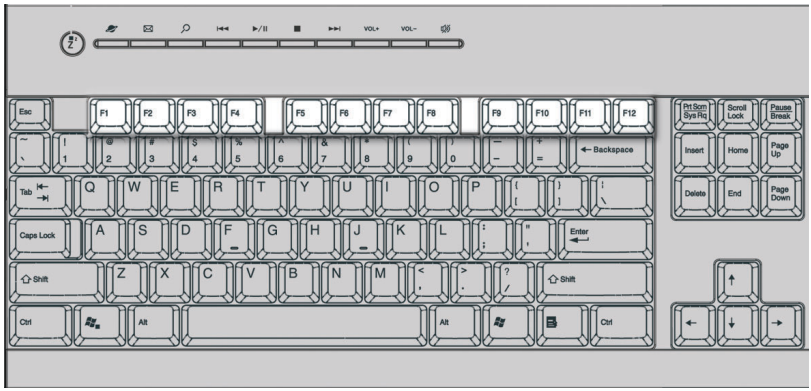
The keyboard has two keys that perform Windows-specific functions.



Key	Description
Windows logo key	Start button. Combinations with this key perform special functions, such as: • **Windows** + **Tab**: Activate the next Taskbar button • **Windows** + **E**: Explore My Computer • **Windows** + **F**: Find Document • **Windows** + **M**: Minimize All • **Shift** + **Windows** + **M**: Undo Minimize All • **Windows** + **R**: Display the Run dialog box
Application key	Opens the applications context menu (same function as clicking the right button of the mouse).

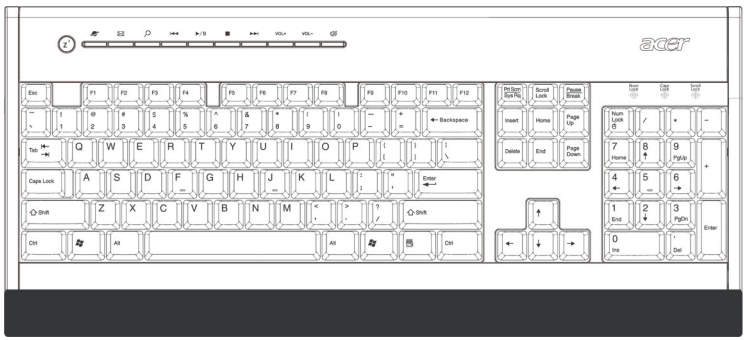
Function keys

The function keys, F1 - F12, let you perform specific functions, depending on the application that uses them.



Palm rest

The detachable palm rest provides you a comfortable place to rest your hands while typing.



Optical drive

Your computer may come with a CD-ROM, DVD-ROM or a combo DVD/CD-RW, DVD+/-RW, DVD-RAM or DVD Supermulti plus drive. This drive is located on the front panel of your computer. The CD-ROM drive allows you to play different types of compact discs (CDs). The DVD-ROM drive allows you to play not only old CD-ROMs, CD-I discs, and video CDs, but digital video discs (DVDs) as well. DVD or DVD-ROM is a type of disc media that holds a minimum of 4.7-GB (gigabytes), enough for a full-length movie. The CD-RW drive allows you to record or burn CD-RW (recordable and rewritable) discs.

CDs and DVDs, like diskettes, are also compact, lightweight, and easy to carry around. However, they are more delicate than diskettes and must be handled with extra care.

To insert a CD or DVD into your computer's CD-ROM or DVD drive:

1. Gently push the Eject button located on the front panel.

2. When the disc tray slides open, place the CD or DVD gently on the tray. Make sure that the label or title side of the disc is facing upward. When holding a disc, hold it by the edges to avoid leaving smudges or fingerprints.

3. Push the the tray and the tray will close automatically.

To take care of your CDs and DVDs

- Keep your disc in its case when not in use to avoid scratches or other damage. Any kind of dirt or damage can affect the data on the disc, impair the disc lens reader on the CD or DVD drive, or stop the computer from successfully reading the disc.
- When handling discs, always hold them by the edges to avoid smudges or fingerprints.
- When cleaning discs, use a clean, dust-free cloth and wipe in a straight line from the center to the edge. Do not wipe in a circular motion.
- Clean your CD or DVD drive periodically. You may refer to the Cleaning kit for instructions. Cleaning kits can be purchased in any computer or electronics shop.

Hard disk

Your computer is pre-installed with a high-capacity Enhanced-IDE (E-IDE) hard disk.

For instructions on how to upgrade or replace your hard disk, see “Replacing the hard disk” on page 61.

3 Setting up your computer

This chapter contains step-by-step instructions on how to set up your computer and connect additional peripherals.

Arranging a comfortable work area

Working safely begins with the arrangement of your work space and the proper use of equipment. For this reason, it is very important to take time and think about how you are going to arrange your work area. Refer to the diagram on the following page as you set up your system.

Here are some points to consider:

Adjusting your chair

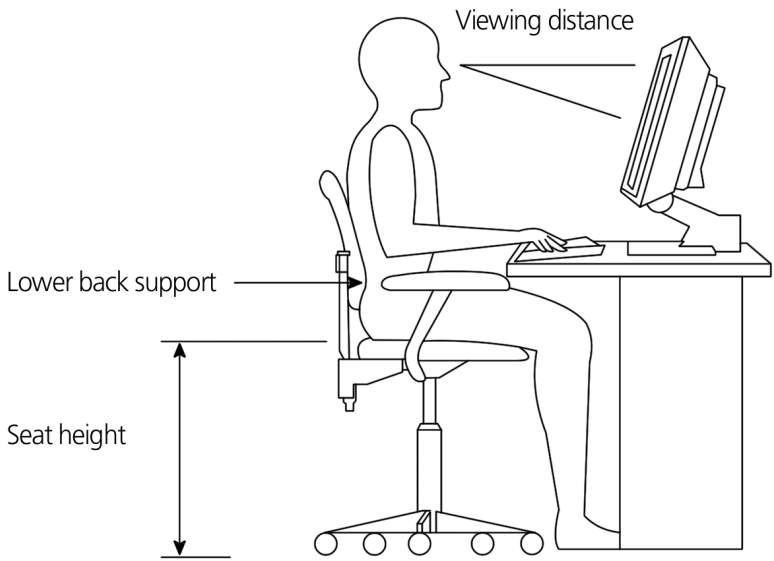
Having the right kind of chair does not necessarily mean that you'll be properly supported. It is necessary to adjust your chair to fit your body. Proper body posture will make you more comfortable and productive.

- Avoid tilting your chair. If you have a chair that tilts, lock the tilt knobs so that your chair will not tilt forward or backward while you are using your computer.
- Adjust your chair height in such a way that you can sit on it with your thighs parallel to the floor and your feet resting flat on the floor.
- Rest your body on the chair back. Your torso works harder to maintain balance if you do not rest your body on the chair back.

Positioning your PC

Take note of the following when selecting a location for your computer:

- Do not put your computer near any equipment that might cause electromagnetic or radio frequency interference, such as radio transmitters, televisions, copy machines, or heating and air-conditioning equipment.
- Avoid dusty areas and extremes of temperature and humidity.
- You may place your computer beside your desk or under your table, as long as it does not block the space that you need for working and moving.



Positioning your monitor

Place your monitor at a comfortable viewing distance, usually 50 to 60 centimeters away. Adjust the display in such a way that the top of the screen is at or slightly below eye level.

Positioning your keyboard

The location of the keyboard is a very important factor to your posture. Placing it too far away will make your body lean forward, forcing you to sit in an unnatural position. Placing it too high will add tension to your shoulder muscles.

- The keyboard should be placed just above your lap. Adjust the keyboard height by flipping the folding stands located under the keyboard.
- Keep your lower arms parallel to the floor as you type. Your upper arms and shoulders should be relaxed. Then try typing with a light touch. If you feel any shoulder or neck strain, stop for a while and check your posture.

- Position your keyboard in front of your monitor. Putting your keyboard beside your monitor will make you turn your head while you type which could add tension to your neck muscles.

Positioning your mouse

- The mouse should be placed on the same surface as your keyboard so that you can reach it with ease.
- Adjust its position to allow enough space for movement without making you stretch or lean over.
- Use your arm to move the mouse. Do not rest your wrist on the table when moving the mouse.

Connecting peripherals

Setting up your computer is easy. For the most part, you only have four things to connect: the mouse, the keyboard, the monitor, and the power cable.

Note: The peripherals shown in the connections below are for your reference only. Actual device models may vary in select countries.

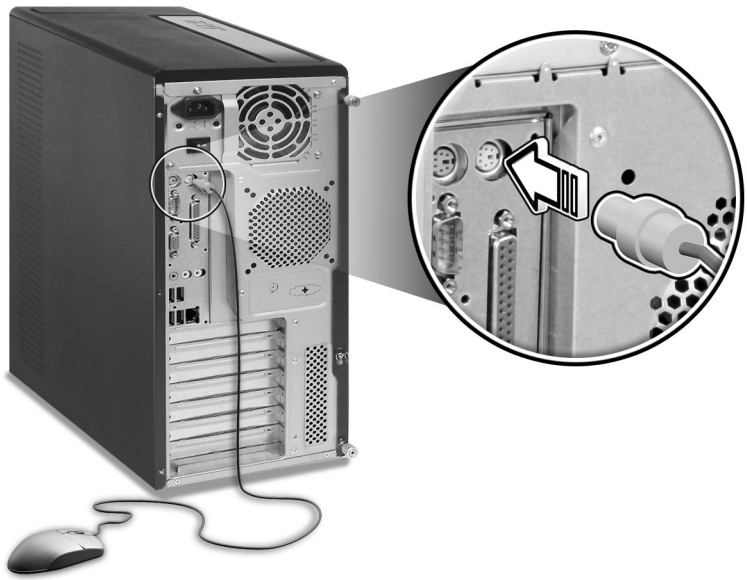
Connecting your mouse

USB mouse

Plug your USB mouse cable into any of the USB ports
(black port) located on the front and rear panels of your computer.

PS/2 mouse

Plug the PS/2 mouse cable into the PS/2 mouse port (green port) located on the rear panel of your computer.



Connecting your keyboard

USB keyboard

Plug your USB keyboard cable into any of the USB ports
(black port) located on the front and rear panels of your computer.

PS/2 keyboard

Plug your PS/2 keyboard cable into the PS/2 keyboard port (purple port) located on the rear panel of your computer.

Connecting a monitor

To connect a monitor, simply plug the monitor cable into the monitor port (blue port) located on the rear panel of your computer(a).

When a VGA card is added to the PCI-E slot, the monitor should be connected to the add-on card(b) and the on-board VGA(a) will be disabled.

Note: Refer to the monitor manual for additonal instructions and information.

Connecting the power cable

Caution: Before you proceed, check the voltage range in your area. Make sure that it matches your computer's voltage setting. If they don't match, change your computer's voltage setting according to your area's voltage range.

Set the voltage selector switch to the voltage range applicable to your area (a). Plug the power cable into the power cable socket located on the rear panel of your computer (b). Then plug the other end of the power cable into a power outlet (c).

Turning on your computer

After connecting the necessary peripherals and plugging in the power cable, you are now ready to turn the computer on and get to work.

To turn on your computer:

1 Turn on all peripherals connected to your computer such as the monitor, printer, fax, speakers, etc.

2 On the front panel of your computer, press the Power button.

Important: Make sure that the power cable is properly plugged into an electrical outlet. If you are using a power strip or an AVR (Auto-Voltage Regulator), make sure that it is plugged in and turned on.

Turning off your computer

To turn off your computer, follow the steps below.

For Windows® XP:

1 On the Windows® XP taskbar, click on the Start button, and click Turn Off Computer, then click Turn Off.

2 Turn off all peripherals connected to your computer.

If you cannot shut down your computer normally, press and hold the power button for at least four seconds. Quickly pressing the button may put the computer in Suspend mode only.

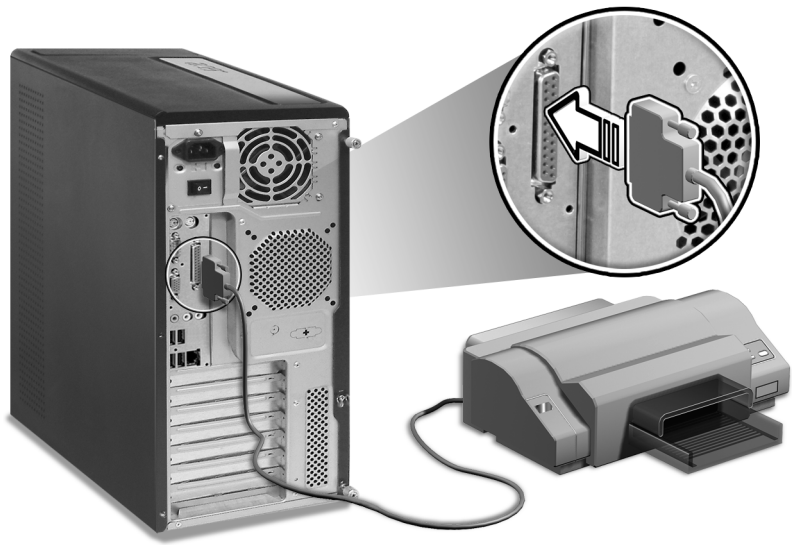
Connecting options

Connecting your printer

Your computer supports parallel, serial and USB printers.

To connect a parallel printer, plug the printer cable into the parallel port (burgundy port) located on the rear panel of your computer.

Note: The printer shown below is for your reference only. Actual device model may vary by country.



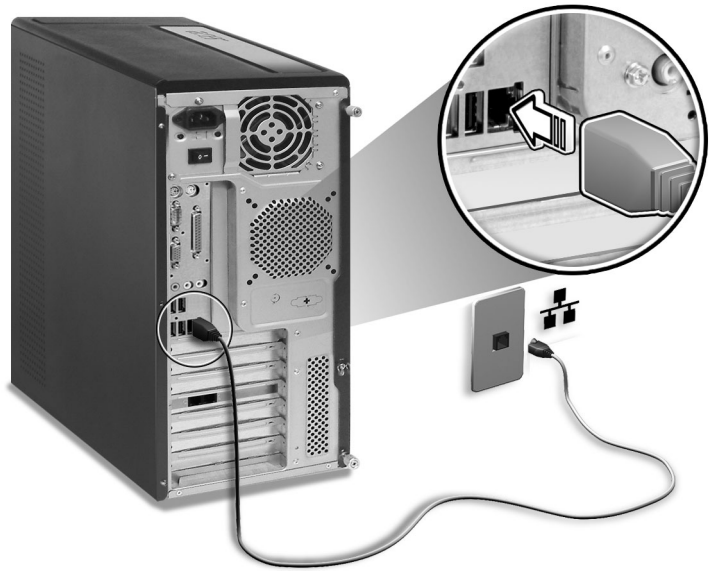
Note: If you are using a serial printer, connect the printer cable into the serial port located on the rear panel of your computer. In the same manner, connect a USB printer by plugging the printer cable into any of the USB ports located on the front and rear panel.

Connecting the modem (optional)

Set up your modem connection by plugging the telephone line and handset line into their corresponding ports on the rear panel of your computer.

Connecting to the network

You can connect your computer to a Local Area Network (LAN) using a network cable. To do so, simply plug the network cable into the network port (white port) on the rear panel of your computer.



Note: Consult your network system administrator or operating system manual for information on how to configure your network setup.

Connecting multimedia devices

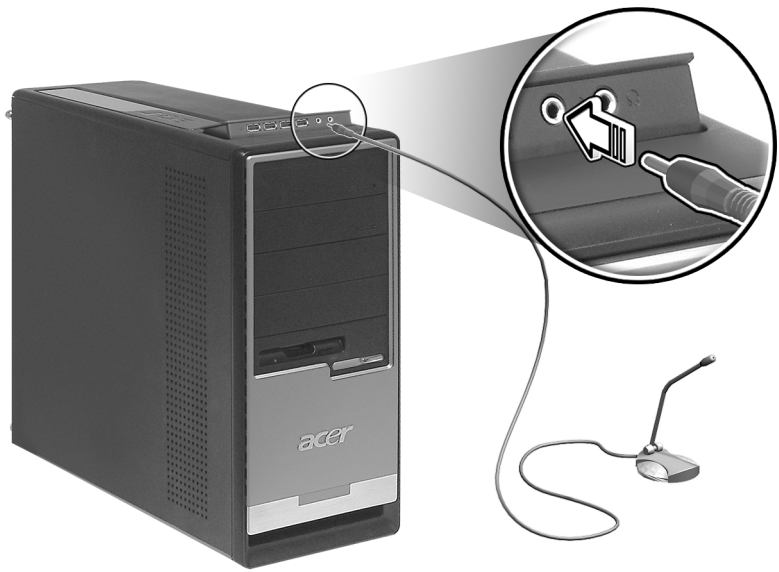
You can connect multimedia devices such as microphones, earphones or headphones, external speakers, and audio line-in devices. These devices will allow you to take advantage of your computer's multimedia features.

Note: The multimedia devices shown below are for your reference only. Actual device models may vary in select countries.

Plug the devices in as follows:

- microphone: connects to the Microphone-in jack (pink jack) located on the front and rear panel of your computer.

Note: The system has two microphone-in jacks (front and rear). However, you can use both of them at the same time.



Note: For information on how to configure multimedia devices, consult the documentation that came with each device.

- earphones, headphones: connect to the Headphone-out jack (lime jack) located on the front panel of your computer.

Note: To adjust the headphones volume, use the volume control buttons on the keyboard. You can also adjust the volume by using the volume icon on the taskbar at the bottom of your screen.

- external speakers: connect to the Audio-out/Line-out jack (lime jack) located on the rear panel of your computer.

- audio line-in device: connects to the Audio-in/Line-in jack (light blue jack) located on the rear panel of your computer

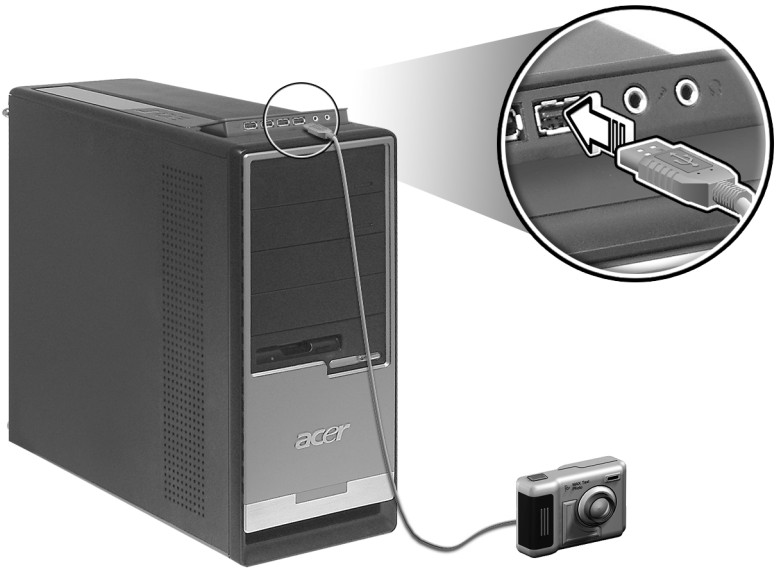
Connecting USB devices

Universal Serial Bus (USB) is a serial bus design that is capable of cascading peripherals such as a digital camera, keyboard, mouse, joystick, scanner, printer and modem. With USB, complex cable connections can be eliminated.

Your computer comes with eight external USB ports: four on the front and another four on the rear panel. These ports support USB 2.0 high performance external devices such as webcams and digital still cameras. They also allow you to connect additional USB devices to your computer without using up its resources.

To connect a USB device, simply plug the device cable into any of the USB ports (black) located on the front and rear panels of your computer.

Note: The USB devices shown below are for your reference only. Actual device models may vary by geographic region.



Note: Some USB devices have a built-in USB port which allows you to connect more USB devices.

4 Upgrading your computer

This chapter contains instructions on how to upgrade your computer and basic information about your system boards that you will find helpful when performing the upgrade process.

Installation precautions

Before you install any computer component, we recommend that you read the following sections. These sections contain important ESD precautions along with preinstallation and post-installation instructions.

ESD precautions

Electrostatic discharge (ESD) can damage your processor, disk drives, expansion boards, and other components. Always observe the following precautions before you install a computer component:

1 Do not remove a component from its protective packaging until you are ready to install it.

2 Wear a wrist grounding strap and attach it to a metal part of the computer before handling components. If a wrist strap is not available, maintain contact with the computer throughout any procedure requiring ESD protection.

Preinstallation instructions

Always observe the following before you install any component:

1 Turn off your computer and all the peripherals connected to it before opening it. Then unplug all cables from the power outlets.

2 Open your computer according to the instructions on page 51.

3 Follow the ESD precautions described above before handling a computer component.

4 Remove any expansion boards or peripherals that block access to the DIMM sockets or component connectors.

5 See the following sections for specific instructions on the component you wish to install.

Warning! Not turning off the computer properly before you start installing the components may cause serious damage.

Do not attempt the procedures described in the following sections unless you are a qualified service technician.

Post-installation instructions

Observe the following after installing a computer component:

1 See to it that the components are installed according to the step-by-step instructions in their respective sections.

2 Replace any expansion boards or peripherals that you removed earlier.

3 Replace the side panels.

4 Connect the necessary cables and turn on your computer.

Opening your computer

Caution! Before you proceed, make sure that you have turned off your computer and all peripherals connected to it. Read the “Preinstallation instructions” on page 49.

You need to open your computer before you can install additional components. See the following section for instructions.

To remove the side panel

1 Turn off your computer and unplug all cables.

2 Place your computer on a flat, steady surface.

3 Turn the thumbscrews counterclockwise with your fingers to release the cover.

4 Hold right panel(from rear view) with both hands. Slide it back about an inch and then gently pull it outward to detach it.

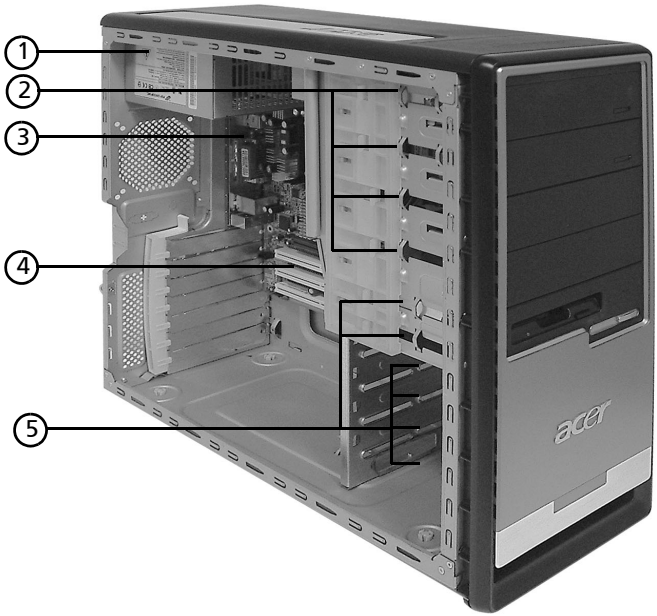
To replace the side panel

1 Align the side panel's hinges to the housing frame and then push it in to slide it back into place

2 Secure the side panels with the two thumbscrews.

Internal components

The figure below shows what your computer looks like once you remove the side panel:



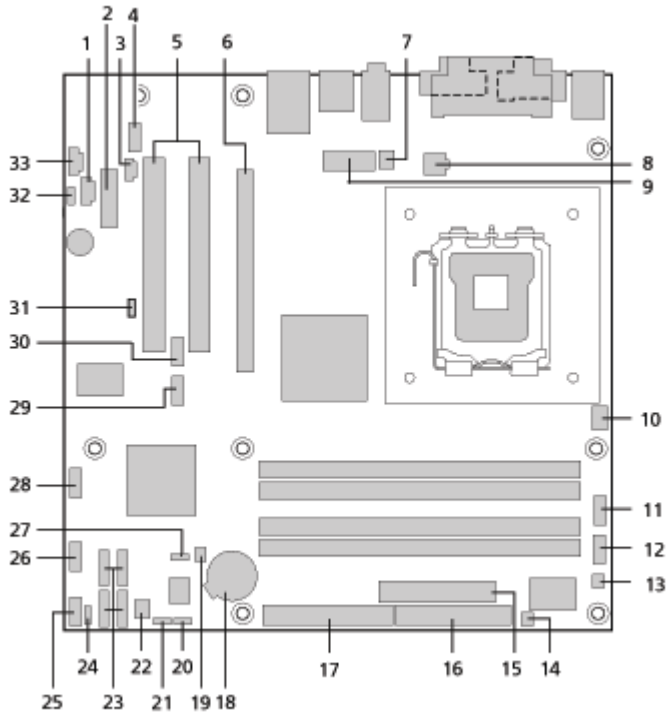
No.	Component	No.	Component
1	Power supply	2	5.25-inch drive bays(4)
3	Mainboard *	4	Expansion slots
5	3.5-inch drive bays(6)		

*.The mainboard model shown in the figure above may not be exactly the same as the one found in your computer.

System boards

Mainboard layout

The mainboard becomes accessible once you open your computer. Refer to the section below for the corresponding mainboard layout of your Veriton 7700G series computer model.

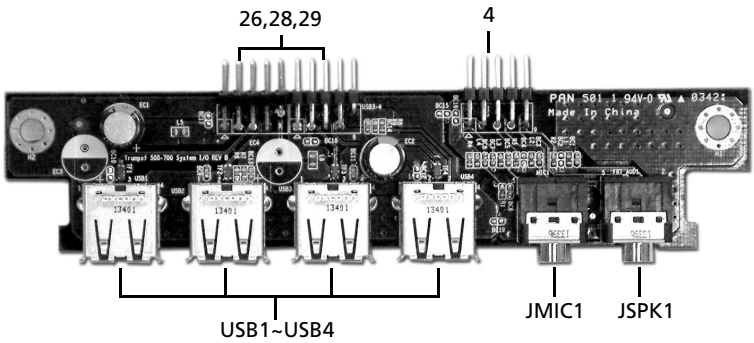


Label	Component
1	CD-ROM connector
2	PCI Express x1 connector
3	S/PDIF output connector
4	Front panel audio connector
5	PCI Conventional bus connectors (2)
6	PCI Express x16 connector
7	Processor fan connector
8	ATX12V power connector
9	Alternate power connector
10	Not used
11	Serial port B connector
12	Not used
13	Not used
14	One Button Recovery connector
15	Main power connector
16	Diskette drive connector
17	Parallel ATA IDE connector
18	Battery Jumper Settings
19	Chassis intrusion connector
20(J8J4)	BIOS Configuration jumper Item 1-2 Normal (Default) 2-3 Configure None Recovery

Label	Component
21(J8J3)	Clear CMOS jumper 1-2 Normal (Default) 2-3 Clear CMOS
22	Front chassis fan connector
23	Serial ATA IDE connectors (4)
24	Not used
25	Front panel connector
26	Front panel USB connector
27	BIOS Write Protect jumper 1-2 Protected 2-3 Not protected (Default)
28	Front panel USB connector
29	Not used
30	Not used
31(J8D1)	BIOS Boot Destination jumper 1-2 LPC (Default) 2-3 PCI
32	Internal speaker connector
33	Auxiliary line input

Audio board

The audio board that came with your computer should look like the figure that follows.



Label	Description
JUSB3	USB Connector - connects to the 26,28,29 of the mainboard
JUSB4	USB Connector - connects to the 26,28,29 of the mainboard
USB1~USB4	USB ports
JAUD1	Standard audio connector - connects to the 4 of the mainboard
JMIC1	Microphone-in jack
JSPK1	Audio out port

Upgrading your computer

Certain components of your computer are upgradeable such as the memory, the hard disk, the CPU and the expansion cards. You need to observe the "Installation precautions" on page 49 when installing or removing a computer component. However, for safety purposes, we do not recommend that you perform these upgrades yourself. If you want to replace or upgrade any of these components, contact your dealer or a qualified service technician for assistance.

Note: The mainboard model shown in the following figures may not be exactly the same with the one found in your computer.

Installing additional memory

The four 184-pin sockets on the mainboard support Double Data Rate (DDR) Synchronous Dynamic Random Access Memory (SDRAM)-type DIMMs. You may install 128-MB, 256-MB, 512-MB or 1-GB DIMMs for a maximum memory capacity of 4 GB.

The DDR DIMMs should work under 2.5 volts. You can install PC2700/DDR333, or PC3200/DDR400 modules in the DDR DIMM sockets. Contact your dealer for qualified DIMM vendors.

Each DDR DIMM socket is independent from the other. This independence allows you to install DDR DIMMs with different capacities to form different configurations.

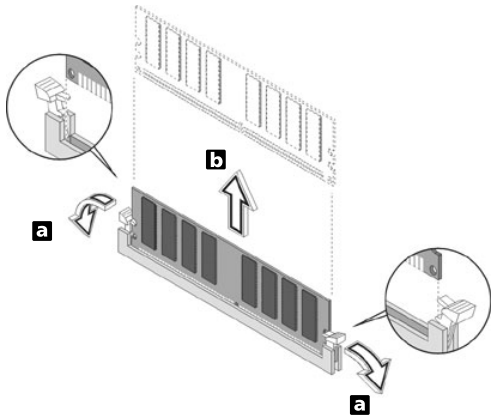
To remove a DDR DIMM

Note: The DDR DIMM has only one notch located on the center of the module.

1 Remove the side panel (see page 51).

2 Locate the DDR DIMM socket on the mainboard.

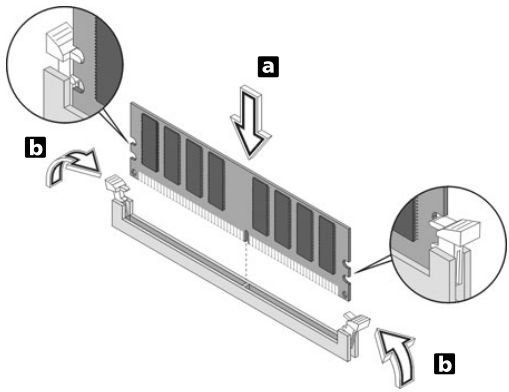
3 Press the holding clips on both sides of the DDR DIMM socket outward to release the DDR DIMM (a). Gently pull the DDR DIMM out of the socket (b).



To install a DDR DIMM

1 Locate the DDR DIMM socket on the mainboard.

2 Align the DDR DIMM with the socket (a). Press the DDR DIMM into the socket until the clips lock onto the DDR DIMM (b).



Note: The DDR DIMM sockets are slotted to ensure proper installation. If you insert a DDR DIMM but it does not fit easily into the socket, turn the DDR DIMM around and try to insert it again.

To reconfigure your computer

Your computer automatically detects the amount of memory installed. Run the BIOS utility to view the new value for total system memory and make a note of it.

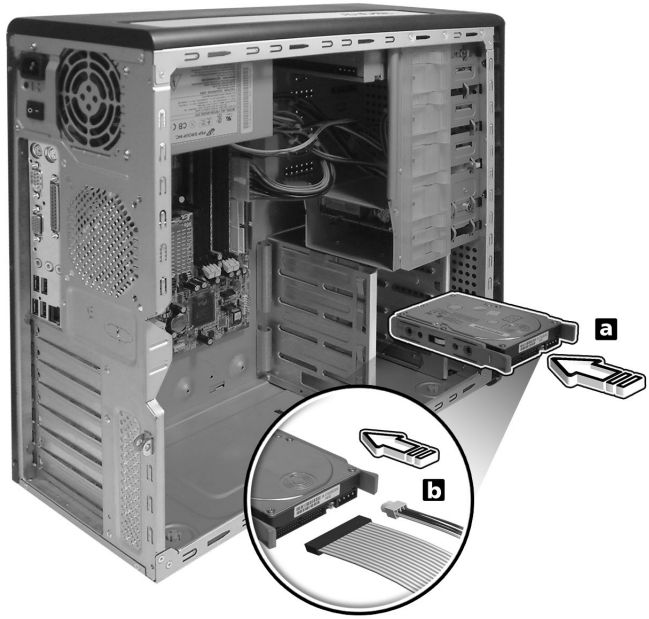
Replacing the hard disk

Follow these steps to replace your computer's hard disk:

1 Remove the side panel (see page 51).

2 (a) Detach the power and hard disk cables from the hard disk.
(b) Detach the hard disk from the drive frame.

3 (a) Insert the new hard disk into the frame.
(b) Connect the power and hard disk cables to the new hard disk.



Note: Make sure that the other ends of the disk cables are securely connected to their corresponding connectors on the mainboard.

4 Replace the side panel (see page 52).

Installing an expansion card

To install an expansion card:

1 Remove the side panel (see page 51).

2 Locate an empty PCI-E or PCI slot on the mainboard.

3 Remove the lock that holds the bracket to the computer.

4 Pull out the bracket on the housing opposite the selected empty slot.

5 Remove the expansion card from its protective packaging.

6 Align the card with the empty bracket and then insert it into the slot. Make sure that the card is properly seated.

7 Secure the card to your computer with the bracket lock you removed earlier.

8 Replace the side panel (see page 52).

When you turn on the computer, BIOS (Basic Input/Output System) automatically detects and assigns resources to the newly-installed devices.

5 System utilities

This chapter describes applications that are preinstalled on your computer.

Depending on the hardware and optional features installed in your computer, your system came bundled with several program utilities designed to streamline your computer's operations. These utilities may include any of the following:

- Acrobat®Reader™
- Acer LANScope Client Manager (optional)
- Norton AntiVirus
- NTI CD-Maker
- PowerDVD
- BIOS utility
- Acer One Button Recovery (System restore utility)
- Acer Desktop Manager

If your computer is configured with Microsoft® Windows® XP the following utilities can be used to monitor and maintain system health.

- Backup
- Disk Defragmenter

All of the applications that came with your computer are very easy to use. However, if you need more help and information, you may refer to the online help documentation provided in each software application.

Acrobat Reader

Acrobat Reader is a software that lets you view, navigate, browse and print Adobe Portable Document Format (PDF) files on all major computer platforms.

To read a PDF document

you can:

- Simply double click on any file with an icon like that shown above.

  or

1 On the windows taskbar, click on the Start button, highlight Programs, and select Acrobat Reader.

2 Once the program is running, select Open from the File menu.

3 Select the file you wish to view in the Open file browser and click the Open button.

For more information about Acrobat Reader, you may refer to the Acrobat Reader Help menu.

Acer LANScope (optional)

Acer LANScope allows desktop management via the Web, standard network, or dial-up connections. It is compatible with the leading management specifications, such as Wired for Management 2.0, Desktop Management Interface (DMI) v2.0, and others.

Your computer may be bundled with a LANScope installation CD. To install LANScope:

1 Insert the LANScope installation CD into the optical drive.

Caution! Make sure that the LANScope installation CD is properly inserted into the optical drive. Improper insertion may damage both the CD and the drive.

Refer to page 21 for instructions on how to insert a CD into your computer's optical drive.

2 Follow all onscreen instructions until installation is completed.

For more information on how to use the LANScope, you may refer to the LANScope Help menu.

Note: Acer LANScope currently supports Windows® 2000 and Windows® XP platforms.

Norton AntiVirus

Norton AntiVirus is an anti-virus software which finds and repairs infected files, protects against viruses to keep your computer data safe and secure. It also scans incoming email attachments for viruses. It provides useful virus detection and repair facilities.

How do I check for viruses?

A Full System Scan scans all files on your computer. To perform a system scan:

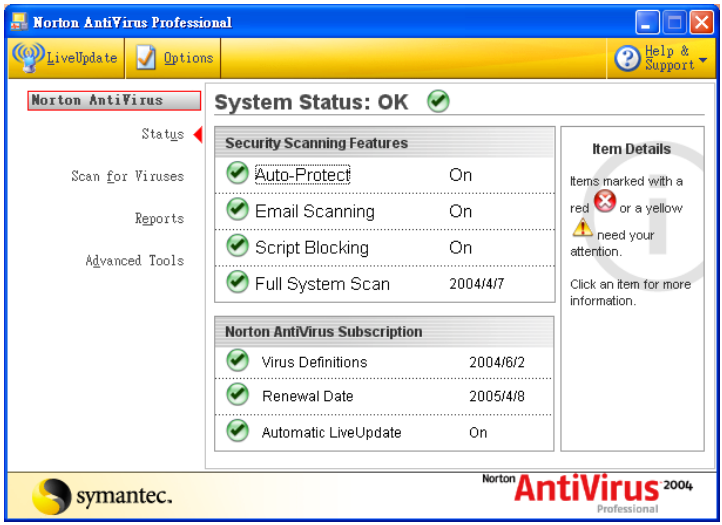
1 Start Norton AntiVirus

- Double click on the Norton AntiVirus Icon on the desktop

or

- Click on the Start menu in the Windows taskbar, highlight Programs, and select Norton AntiVirus.

2 In the Norton AntiVirus main window, click Scan for Viruses.



3 In the Scan for Viruses pane, click Scan My Computer.

4 Under Actions, click Scan.

When the scan is complete, a scan summary appears.

5 When you are done reviewing the summary, click Finished.

You can schedule customized virus scans that run unattended on specific dates and times or at periodic intervals. If you are using the computer when the scheduled scan begins, it runs in the background so that you do not have to stop working.

For more information about Norton AntiVirus, including setting up custom scans and scheduling scans, refer to the Norton AntiVirus Help menu.

NTI CD-Maker (for models with CD or DVD Burner)

The NTI CD-Maker is a CD-Recording software which allows you to create and copy audio, data and videos to CD-R or CD-RW discs.

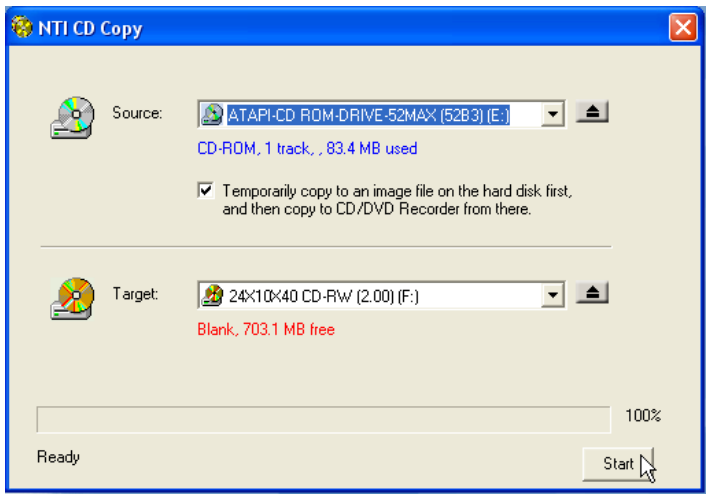
To copy an audio or data disc:

1 Click the Quick Burning icon

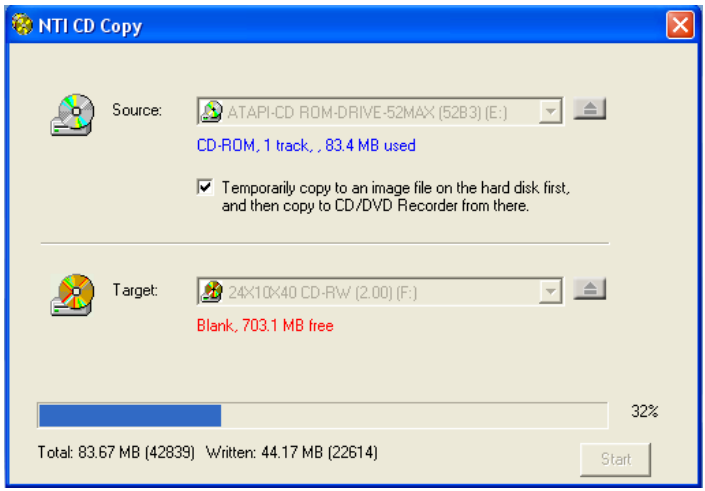
on the desktop.

2 Insert the CD you would like to copy into the source drive and a blank disc into the target drive.

3 Choose the source and target drives from the pull-down lists.



4 Click the Start button to begin copying.



For more information about NTI CD-Maker and its other features, refer to the NTI CD-Maker Help menu.

PowerDVD (for models with DVD)

PowerDVD is a high-quality, pure software DVD player which brings high-quality movies and karaoke to your multimedia PC. You can play back high resolution DVD titles or MPEG-2 files with MPEG-2 video and Dolby Digital (AC-3) audio. PowerDVD provides a complete set of commands for navigation and advanced features such as multi-angle switching, multi-language and multi-subtitle selection, and parental control. It also has the i-Power Internet Enabling feature, which links to online DVD resources via the Power DVD Desktop Portal Page.

How do I open and watch a DVD?

In most cases, when you insert a DVD into your computer's optical drive, PowerDVD will automatically open a viewer window and the control panel and begin playing.

If PowerDVD does not open automatically:

1 Click the Start button in the taskbar.

2 Highlight All Programs

3 Click the Cyberlink PowerDVD tab

4 Select PowerDVD

When PowerDVD opens simply press the play button to begin playback.

For more information about Cyberlink PowerDVD and its other features, refer to the PowerDVD Help menu.

BIOS utility

The BIOS utility is a hardware configuration program built into your computer's Basic Input/Output System (BIOS). Since most computers are already properly configured and optimized, there is no need to run this utility. However, if you encounter configuration problems and get the "Run Setup" message, you will need to run this utility.

Note: Before you run BIOS, make sure that you have saved all open files. The computer reboots immediately after you exit Setup.

To run the BIOS utility, press the **Del** key on your keyboard during computer boot up.

Reinstalling programs

If you uninstall one of the preinstalled programs and want to reinstall it, do the following:

1 Make sure that the system is turned on.

2 Insert the System CD into the CD or DVD drive.

3 Select the application that you want to reinstall.

4 Follow all onscreen instructions until you finish the installation.

Recovering your system

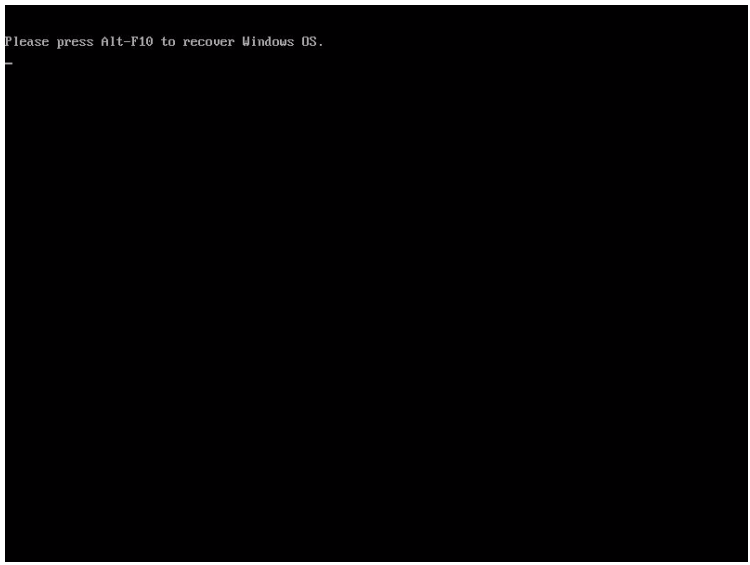
If your operating system files are lost or damaged, the recovery process will restore your system's original factory default settings or last system backup. Your Acer Veriton series computer includes an OBR(One Button Recovery) button, a feature that makes restoring your system quick and easy.

OBR works from a hidden partition on your hard drive that contains all the information required to restore your system.

There are two modes to recovery your system. One is from system's original settings and another is from system backup. You can press Alt + F10 after the BIOS finishes running the Power On Self Test (POST).

Warning: Initiating the recovery operation while the operating system is running will result in abnormal shutdown and may make your current OS unstable or unusable.

After the POST runs, you have only 1.5 seconds to press Alt + F10. Follow all onscreen instructions.

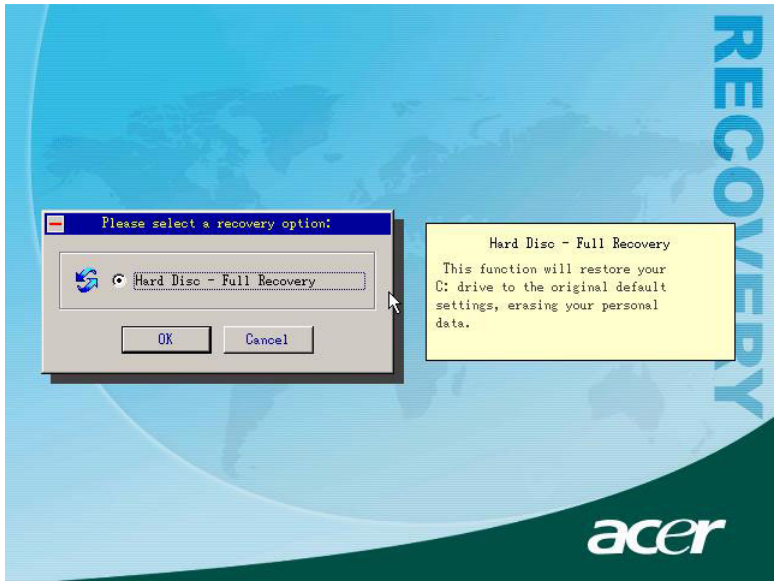


You can also follow the steps below:

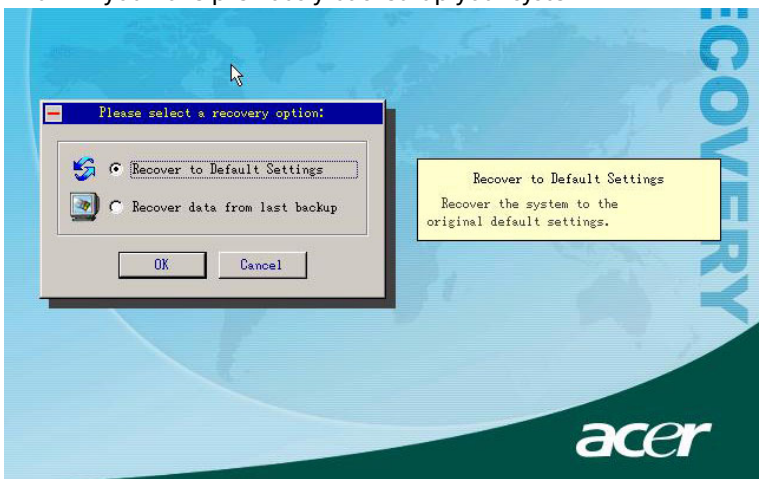
1 Locate the OBR button. See the image on page 10.

2 Press the button. After a moment one of the following screens will appear on your display

a If you have not yet backed-up your system:

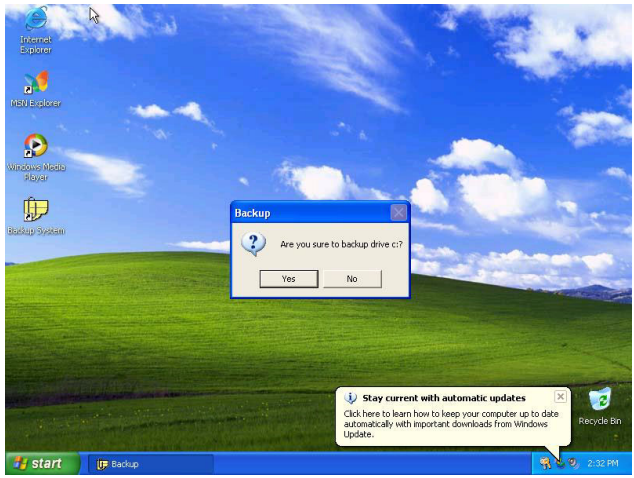


b If you have previously backed-up your system:

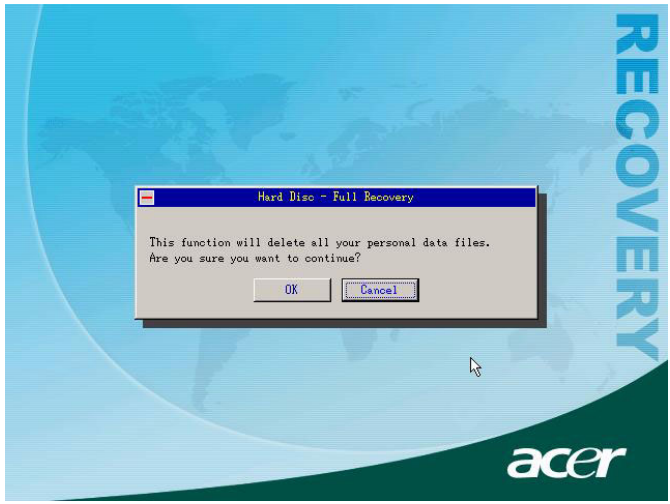


3 In 2-a, click OK. You will be prompted again. In 2-b, select “Recover to Default Settings” to restore your system to the default factory settings. Select “Recover data from last backup” to restore your system to the last system backup.

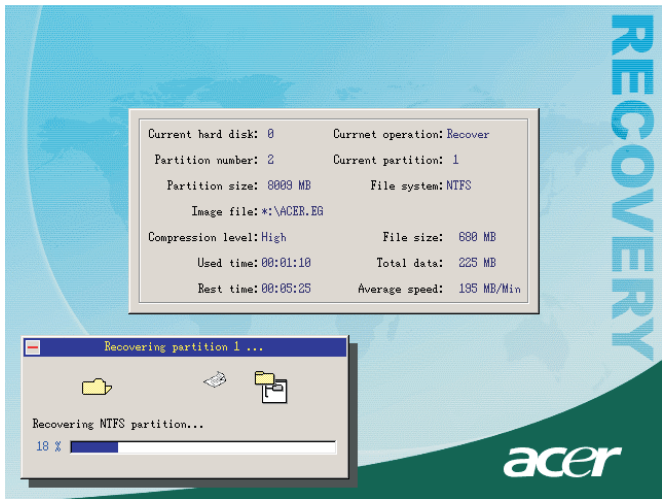
Note: Click “Backup System” icon on the desktop to backup your system anytime.



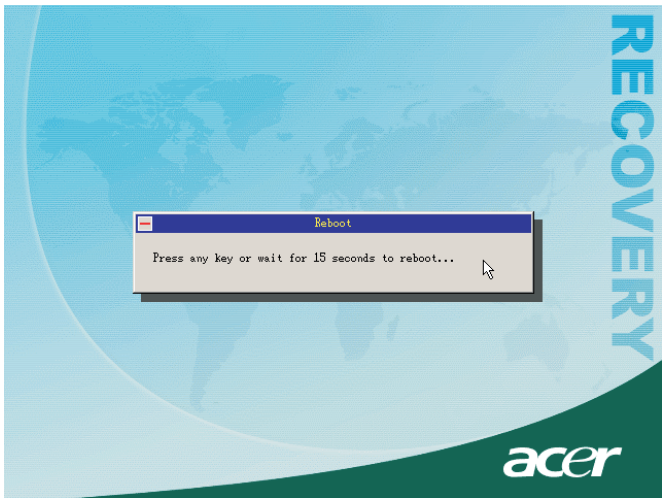
4 If you chose the recovery option, you should see the following screen. Click OK to continue.



5 After 15 seconds the system will reboot and initiate the restore operation.



6 After the recovery operation finishes the system will reboot. You will be required to go through the setup process again.



Caution! Running the Recovery operation will erase all files previously saved in your computer so make sure to back up your important files before starting the recovery process.

Note : This feature occupies 2GB in a hidden partition on your hard drive.

If you attempt to restore your system using the One Button Recovery feature, and the system DOES NOT respond, contact your local vendor or authorised Acer representative immediately.

Acer Desktop Manager

Acer Desktop Manager provides a full suite of system monitoring and maintenance functions. For more information, see Desktop Manager's online help file.

Using Backup (Windows® XP only)

The Backup utility creates copies of information on your hard disk. In the event that the original data on your hard disk is erased or overwritten, or becomes inaccessible because of a hark disk malfunction, you can use the copy to restore your lost or damaged data.

How do I back up files from my hard drive?

To run the Backup utility:

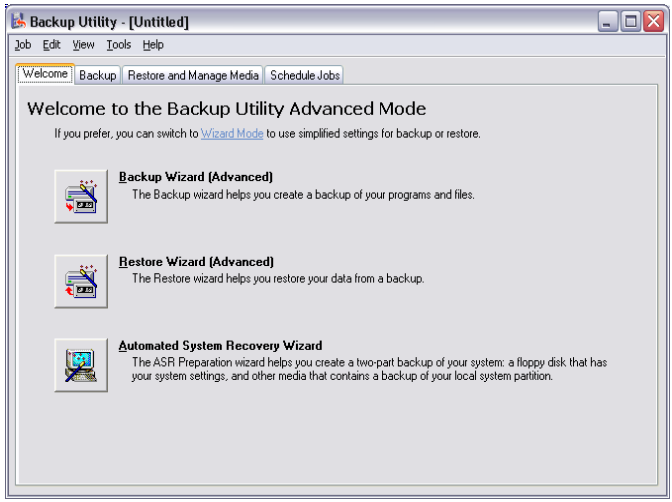
1 Click the Start button in the taskbar.

2 Highlight All Programs

3 Click Accessories

4 Select System Tools

5 Click Backup



When Backup starts, follow the onscreen instructions to set up your backup profile and schedule.

For more information about Backup, refer to Windows® XP help.

Disk Defragmenter (Windows® XP only)

The disk degfragmentation utility consolidates files and folders on your computer's hard disk. This allows your computer to access files and folders and save new data more efficiently. By consolidating your files and folders, the defragmenter also consolidates the volume's free space, making it less likely that new files will be fragmented.

How do I defragment my hard drive?

To run the Disk Defragmenter:

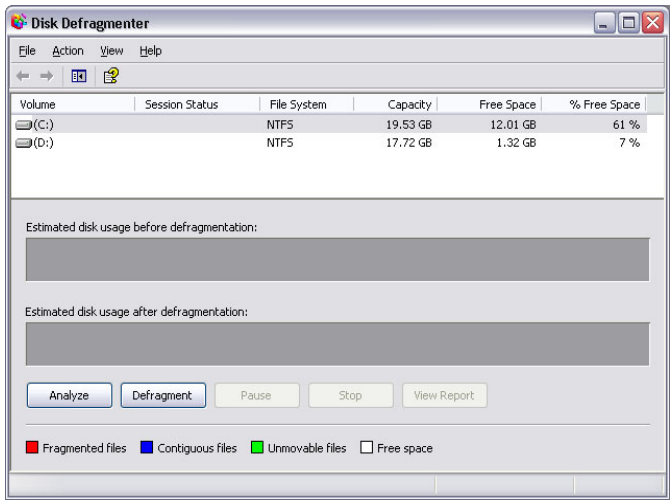
1 Click the Start button in the taskbar.

2 Highlight All Programs

3 Click Accessories

4 Select System Tools

5 Click Disk Defragmenter



When Disk Defragmenter opens, select a drive/volume and click Analyze. The system will quickly examine the volume and determine wether it needs to be defragmented or not.

For more information about Disk Defragmenter, refer to Windows® XP help.

6 Frequently asked questions

This chapter tells you what to do in case your computer is not working properly. However, if a more serious problem arises, contact your dealer or the technical support center (www.acersupport.com) for assistance.

Frequently asked questions

The following questions are possible situations that may arise during the use of your computer and each is followed by easy answers and solutions to the situation.

Q: I pressed the power switch but the system did not boot up.

A: Check the LED located above the power switch.

If the LED is not lit, no power is being applied to the system. Try the following:

- Check if the voltage selector switch located on the rear panel of the computer is set to the correct voltage.
- Check if you plugged the power cable properly into an electrical outlet.
- If you are using a power strip or AVR, make sure that it is plugged in and turned on.

If the LED is lit, check the following:

- Is a nonbootable (nonsystem) diskette in the floppy drive? If yes, remove or replace it with a system diskette and press **Ctrl + Alt + Del** to restart your computer.
- The operating system files may be damaged or missing. Insert the startup disk you created during Windows setup into the floppy drive and press **Ctrl + Alt + Del** to restart your computer. This will automatically diagnose your system and make necessary fixes. However, if the diagnostic utility still reports a problem, then you may have to perform the recovery process to restore your system to its original default factory settings.

Note: For more information about recovering your system, refer to page 77.

Q: Nothing appears on the screen.

A: Your computer's power management function automatically blanks the screen to save power. Just press any key to turn the display back on.

If pressing a key does not work, you can restart your computer. If restarting your computer does not work, contact your dealer or the technical support center for assistance.

Q: The printer does not work.

A: Do 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 system's parallel port and the corresponding port on the printer. See "Connecting your printer" on page 38 for information on how to connect the printer to your computer.
- For additional information concerning the printer, refer to the printer's documentation.

Q: No sound comes out from the computer.

A: Check the following:

- The volume may be muted. Look for the Volume icon on the taskbar. If it is crossed-out, click on the icon and deselect the **Mute** option. You can also press the volume control/mute knob on your USB keyboard to toggle from mute to sound on.
- If headphones, earphones, or external speakers are connected to the line-out jack of your computer, the internal or built-in speakers are automatically turned off.

Q: System cannot read diskette, hard disk, CD or DVD information.

A: Check the following:

- Make sure that you are using the correct type of disc. See page 21.
- Make sure the CD or DVD is inserted into the drive correctly.
- Check if the CD or DVD is clean and not scratched.
- Check your drive by using a good (i.e., undamaged) disc. If your drive can not read the information on the good disc there may be a problem with the drive. Contact your dealer or technical support center for assistance.

Q: System cannot write data on the hard disk or CD-R/CD-RW.

A: Check the following:

- Make sure the diskette or hard disk is not write-protected. Refer to the Optical drive section on page 21.
- Make sure that you are using the correct type of disc or diskette. Refer to the Optical drive section on page 21.

Appendix A: Notices

Energy Star Guidelines Compliance

As an Engery 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.

FCC Caution

Any 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.

Use conditions

This part 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 meets all requirements of the Canadian Interference-Causing Equipment Regulations.

Remarque à l'intention des utilisateurs canadiens

Cet appareil numérique de la classe B respected toutes les exigences du Règlement sur le materiel brouilleur du Canada.

Declaration of Conformity for EU countries

Hereby, Acer, declares that this personal computer is in compliance with the essential requirements and other relevant provisions of Directive 1999/5/EC.

Modem notices

Notice for USA

This equipment complies with Part 68 of the FCC rules. Located on the bottom side of 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 pan-European 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.

Notice for Australia

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

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 onto 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 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 7A 125V minimum, VDE approved or its equivalent. Maximum length is 15 feet (4.6 meters).

13 Always disconnect all telephone lines from the wall outlet before servicing or disassembling this equipment.

14 Avoid using a telephone line (other than cordless type) during an electrical storm. There may be a remote risk of electric shock from lightning.

Macrovision copyright protection notice

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

Apparatus Claims of U.S. Patent Nos. 4,631,603, 4,577,216, 4,819,098, and 4,907,093 licensed for limited viewing uses only.

Lithium battery statement

CAUTION
Danger of explosion if battery is incorrectly replaced. Replace only with the same or equivalent type recommended by the manufacturer. Dispose of used batteries according to local regulations. Recycle if at all possible.

ADVARSEL!
Lithiumbatteri - Eksplosionsfare ved fejlagtig håndtering. Udskiftning må kun ske med batteri af samme fabrikat og type. Léver det brugte batteri tilbage til leverandøren.

ADVARSEL
Eksplosjonsfare ved feilaktig skifte av batteri. Benytt samme batteritype eller en tilsvarende type anbefalt av apparatfabrikanten. Brukte batterier kasseres i henhold til fabrikantens instruksjoner.

VARNING
Explosionsfara vid felaktigt batteribyte. Använd samma batterityp eller en ekvivalent typ som rekommenderas av apparattillverkaren. Kassera använt batteri enligt fabrikantens instruktion.

VAROITUS
Päristo voi räjähtää, jos se on virheellisesti asennettu. Vaihda paristo ainoastaan laitevalmistajan suosittelemaan tyyppiin. Hävitä käytetty paristo valmistajan ohjeiden mukaisesti.

VORSICHT!
Explosionsgefahr bei unsachgemäßen Austausch der Batterie Ersatz nur durch denselben oder einem vom Hersteller empfohlenem ähnlichen Typ. Entsorgung gebrauchter Batterien nach Angaben des Herstellers.

Laser compliance statement

The CD or DVD drive used with this computer is a laser product. The CD or DVD drive's classification label content (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. EVITTER TOUTE EXPOSITION AUX RAYONS.

LUOKAN 1 LASERLAITE LASER KLASSE 1
VORSICHT: UNSICHTBARE LASERSTRAHLUNG, WENN ABDECKUNG GEÖFFNET NICHT DEM STRAHLL 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 LASERSÅTEILYLLE.
VARNING: LASERSTRÅLNING NÅR DENNA DEL ÅR ÖPPNAD ÅLÅ TUIJOTA SÅTEESEENSTIRRA EJ IN I STRÅLEN

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

ADVARSEL: LASERSTRÅLING NAR DEKSEL ÅPNESSTIRR IKKE INN I STRÅLEN

Declaration of Conformity for CE marking

Name of Manufacturer:	Acer Inc.
Address of Manufacturer:	8F, 88, Sec. 1, Hsin Tai Wu Rd., Hsichih, Taipei Hsien 221, Taiwan, R. O. C.
Declares that product:	Personal Computer
Model:	Veriton 7700G

Conforms to the EMC Directive 89/336/EEC as attested by conformity with the following harmonized standards:

EN55022:1994 /A2: 1997: Limits and Methods of Measurement of Radio Interference characteristics of Information Technology Equipment

EN55024: 1998/A1:2001: Information technology equipment--Immunity characteristics --Limits and methods of measurement

Including:

EN61000-4-2: 1995/A1: 1998/A2: 2001	EN61000-4-6: 1996/A1: 2001

EN61000-4-3: 1996/A1: 1998	EN61000-4-8: 1993/A1: 2001
EN61000-4-4: 1995/A2: 2001	EN61000-4-11: 1994/A1: 2001
EN61000-4-5: 1995/A1: 2001	

EN61000-3-2: 2000: Limits for harmonics current emissions

EN61000-3-3: 1995/A1: 2001: Limits for voltage fluctuations and flicker in low-voltage supply systems

Conforms to the Low Voltage Directive 73/23/EEC as attested by conformity with the following harmonized standard:

EN60950: 2000: Safety of Information Technology Equipment Including electrical business equipment. This equipment has been approved to Council Decision 98/482/EC (CTR21) for pan- European single terminal connection to the Public Switched Telephone Network (PSTN).

We, Acer Inc., hereby declare that the equipment bearing the trade name and model number 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 equipment will continue to comply with the requirements.

Easy Lai

2003/11/19

Date

Federal Communications Comission 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 Name:	Personal Computer
Model:	Veriton 7700G

Name of Responsible Party:	Acer America Corporation
Address of Responsible Party:	2641 Orchard Parkway, San Jose CA 95134, U. S. A.
Contact Person:	David Lee
Phone No.:	408-922-5097
Fax No.:	408-922-5017

Appendix B: Taking care of your computer

Please read the important instructions listed in this section. Following these instructions will help you maximize the durability of your computer.

Important tips

- 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 40°C (104°F).
- Do not subject the computer to magnetic fields.
- Do not expose the computer to rain or moisture.
- Do not spill water on the computer.
- Do not subject the computer to heavy shock or vibration.
- Do not expose the computer to dust and dirt.
- Never place the system on uneven surfaces.
- 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 personal traffic.
- When unplugging the power cord, do not pull on the cord itself instead pull on the plug.
- The total ampere rating 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.
- Check the documentation that came with your software programs to see if you can select other combinations of resolution and colour. These adjustments could make viewing the screen more comfortable.

Cleaning and servicing

To clean your computer and keyboard

1 Turn off the computer and unplug the power cord.

2 Use a soft cloth moistened with water and gently wipe the exterior of the computer and the keyboard. Do not use liquid or aerosol cleaners.

To clean your pointing device

To clean a regular mouse (with rubber ball)

1 Open the circular cover underneath the mouse.

2 Take out the rubber ball and wipe it with a soft, damp cloth.

3 Put the ball back and close the cover.

To clean an optical mouse

For users of an optical mouse, refer to the documentation that came with your mouse for maintenance instructions.

To clean your monitor

Make sure that you keep your screen clean. For cleaning instructions, refer to the documentation that came with your monitor.

When to contact a service technician

- If you dropped and damaged the computer
- If liquid has been spilled onto the computer
- If the computer is not operating normally
- If a computer problem persists even after you have checked and done the troubleshooting tips discussed in the “Frequently-asked questions” section on page 89
- If your problem is not listed in the “Frequently-asked questions” section on page 89
- If you want to replace or upgrade any of your computer’s internal components

Asking for technical assistance

For technical assistance, contact your local dealer or distributor. You may also access the Web site (www.acersupport.com) for information on how and where to contact the service centers available in your area.

Index

A

accessing the online guide 5
applications 67

B

BIOS utility 75

C

computer maintenance 104
  cleaning 104
  servicing 104
connecting options
  multimedia devices 41
    audio line-in device 44
    earphones/headphones 42
    external speakers 41
    microphone 41
  network 38, 40
  printer 38
  serial mouse 40
  USB devices 45

D

disk drives
  CD-ROM/DVD-ROM/CD-RW drive
    inserting CDs/DVDs 21
    taking care CDs/DVDs 22
  hard disk 23

F

features 9
  connectivity 9
  multimedia 9
  performance 9
Frequently-asked questions 89
  blank screen 90
  no audio 90
  no sound 90
  printer not working 90
  system cannot read disk 91
  system cannot write to disk 91
  system did not boot up 89
front panel 10

I

internal components 54
internet/suspend key
  email 15
  suspend 15
  web browser 15

K

keyboard 14
  application key 19

L

lock keys
  Caps Lock 18
  Num Lock 18
  Scroll Lock 18

M

mainboard
  Veriton 7700G 55
multimedia key
  forward 16
  play/pause 16
  stop 16

N

notice
  DVD copyright protection 97
NTI 72

P

PowerDVD 74

R

rear panel 12
recovering your system 77
remove the side panel 51

S

safety
  CD-ROM 98
  FCC notice 94
  general instructions 96
  modem notices 95
setting up computer 27, 30
  area 27
  chair 27
  connecting peripherals
    external monitor 34
    power cable 35

USB mouse 30
keyboard 28
monitor 28
mouse 29
software 67
Norton AntiVirus 70
system boards 55
audio board 58
mainboard 55
system utilities
Acrobat Reader 68
Norton AntiVirus 70
NTI CD-Maker 72
PowerDVD 74
reinstalling programs 76

T

turning off computer 37
software shutdown 37
suspend mode 37
turning on computer 36
power button 36

U

upgrade
add memory 59
install DDR DIMM 60
reconfigure computer 61
computer 59
installation precautions 49
ESD 49
post-installation 50
preinstallation 49
open computer
reinstall side panel 52
replace components
memory 59

V

Veriton 7700G mainboard layout 55