

# Ferrari 3400

User's Guide

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Ferrari 3400 Computer User's Guide  
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Ferrari 3400 computer

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

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

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

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

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# First things first

## Your guides

A set of guides is provided to help you set up and use your Ferrari computer.:



The *Just for starters...* poster shows you how to set up your computer.



This *User's Guide* provides clear and concise information on using your computer productively. You are advised to read it thoroughly and keep it handy for future reference.

For more information on our products, services, and support, please visit our web site: [www.global.acer.com](http://www.global.acer.com).

## Basic care and tips for using your computer

### Turning your computer on and off

To turn on your computer, open the lid and press the power button above the keyboard.

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

- Click on the Start button in Windows, and then select **Shut Down** on the popup menu.
- Push the power button.

To use this method, you must first click on the **Power Management** icon in Windows Control Panel, and then check that the power button is set to shut down the computer when pressed. See Windows Help for more information.



.....

Note: If you are unable to shut down the computer in the usual way, press and hold the power button for more than four seconds. You should then wait at least two seconds before turning the computer on again.

## 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 expose 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 or dirt.
- Do not place objects on top of the computer.
- Do not slam the lid shut. Close the computer gently.
- Do not place the computer on unstable or uneven surfaces.

## Taking care of your AC adapter

It is important that you look after your AC adapter.

- Do not connect the adapter to any other device.
- Do not step on the power cord or place heavy objects on it. Route the power cord away from areas where people might walk on it or trip over it.
- Do not pull on the power cord when disconnecting from the mains power socket. Grasp and pull the plug instead.
- The total ampere ratings of equipment plugged into a power strip should not exceed the ampere rating for that power strip.

## Taking care of your battery pack

It is also important that you look after your computer's battery pack.

- Use the correct battery model for your computer. Do not use other kinds of batteries.
- Turn the power off before removing or replacing the battery.
- Do not tamper with the battery. Keep the battery away from children.
- Dispose of batteries according to local regulations. Recycle if possible.

## Cleaning and servicing

When cleaning your computer, it is important that you follow these steps:

- Turn off the computer and remove the battery.
- Disconnect the AC adapter.
- Clean with a soft cloth moistened with a little water. Do not use liquid or aerosol cleaners.

Refer to the chapter entitled "Frequently asked questions" on page 69 if any of the following occurs:

- You drop the computer or damage the case.
- You spill liquid on the computer.
- The computer does not operate normally.



# Contents

First things first	iii
Your guides	iii
Basic care and tips for using your computer	iii
<b>Getting familiar with your computer</b>	<b>1</b>
A tour of your computer	3
Front open view	3
Front view	5
Left view	6
Right view	7
Rear view	8
Bottom view	9
Features	10
Indicators	12
Using the Keyboard	13
Special keys	13
Touchpad	19
Touchpad basics	19
Launch Keys	21
Storage	23
Ejecting the optical disc	24
Audio	25
Adjusting the volume	25
Connectivity options	26
Ethernet and LAN	26
Fax/data modem	27
Fast infrared	28
Securing your computer	29
Using a computer security lock	29
Using passwords	29
<b>Operating on battery power</b>	<b>31</b>
Battery pack	33
Battery pack characteristics	33
Installing and removing the battery pack	34
Charging the battery	35
Discharging the battery	35
Checking the battery level	35
Optimizing battery life	36
Battery-low warning	36
Power management	38

<b>Peripherals and options</b>	<b>39</b>
External display devices	41
External input devices	41
External keyboard	41
External keypad	41
External pointing device	41
USB devices	42
IEEE 1394 Port	43
Port expansion devices	44
Printer	45
Audio devices	46
Expansion devices	47
PC Card	47
Miscellaneous options	49
Battery pack	49
AC adapter	49
Key component upgrades	50
Memory upgrade	50
Hard disk upgrade	51
 <b>Moving with your computer</b>	 <b>53</b>
Disconnecting from the desktop	55
Moving around	56
Preparing the computer	56
What to bring to short meetings	56
What to bring to long meetings	56
Taking the computer home	57
Preparing the computer	57
What to bring with you	57
Special considerations	57
Setting up a home office	58
Traveling with the computer	59
Preparing the computer	59
What to take with you	59
Special considerations	59
Traveling internationally with your computer	60
Preparing the computer	60
What to take with you	60
Special considerations	60
 <b>Software</b>	 <b>61</b>
System software	63
Launch Manager	63



BIOS Setup Utility	64
Disc to Disc Recovery	65
<b>Troubleshooting</b>	<b>67</b>
Frequently asked questions	69
Requesting service	72
International Travelers Warranty (ITW)	72
Before you call	72
	74
<b>Appendix A Specifications</b>	<b>75</b>
<b>Appendix B Notices</b>	<b>81</b>
Energy Star Guidelines Compliance	83
FCC notice	83
Modem notices	84
Important safety instructions	89
Laser compliance statement	90
LCD pixel statement	91
Macrovision® copyright protection notice	91
Radio Device Regulatory Notice	91
General	92
European Union (EU)	92
<b>Index</b>	<b>97</b>



Getting familiar with  
**your**  
**computer**

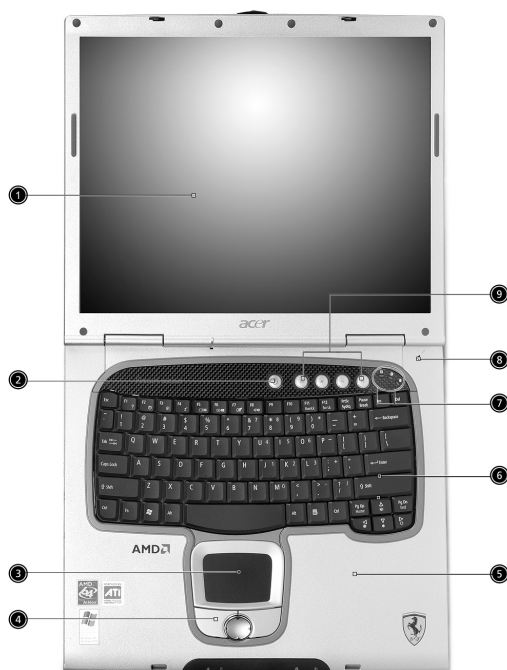
Your Ferrari 3400 computer combines solid performance, versatility, multimedia capabilities and portability with a stylish design. Increase your productivity by working wherever you are.

This chapter provides an in-depth "tour" of your computer's features.

# A tour of your computer

After setting up your new Ferrari notebook computer, as illustrated in the Just for starters... poster, take a few minutes to explore the unit.

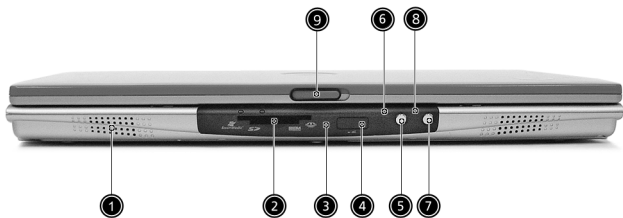
## Front open view






#	Item	Description
1	Display screen	Also called liquid-crystal display (LCD), displays computer output.
2	Power button	Turns on the computer.
3	Touchpad	Touch-sensitive pointing device which functions like a computer mouse.

#	Item	Description
4	Click buttons (left, center and right)	The left and right buttons function like the left and right mouse buttons; the center button serves as a 4-way scroll button.
5	Palmrest	Comfortable support area for your hands when you use the computer.
6	Keyboard	Inputs data into your computer.
7	Status indicators	LEDs (light-emitting diode) that turn on and off to show the status of the computer, its functions and components.
8	Microphone	Internal microphone for sound recording.
9	Launch keys	Special keys for launching internet browser, email program and frequently used programs. See "Launch Keys" on page 21 for more details.

Front view

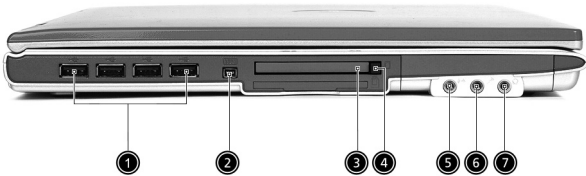








#	Item	Description
1	Speaker	Outputs sound.
2	5-in-1 card reader	Reads cards from Smart Media, Memory Stick, Memory Stick Pro, MultiMedia, and Secure Digital cards.
3	5-in-1 card reader indicator	Displays activity of 5-in-1 card reader.
4	Infrared port 	Interfaces with infrared devices (e.g., infrared printer, IR-aware computer).
5	Bluetooth button	Enables or disables Bluetooth functionality.
6	Bluetooth indicator 	Indicates that Bluetooth is enabled.
7	InviLink button	Enables or disables wireless LAN feature. (Manufacturing option)
8	InviLink indicator 	Indicates status of wireless LAN communication.(Manufacturing option)
9	Latch	Latch for opening and closing the laptop.



**Note** : Only one card can operate at any given time.

Left view



#	Item	Description
1	Four USB 2.0 ports 	Connect to Universal Serial Bus devices (e.g., USB mouse, USB camera).
2	IEEE 1394 port 	Connects to IEEE 1394 devices.
3	PC Card slot 	The slot supports a standard Type II CardBus PC Card.
4	PC Card eject button	Ejects the PC Card from the slot.
5	Line-in jack 	Accepts audio line-in devices (e.g., audio CD player, stereo walkman).
6	Microphone jack 	Accepts input from external microphones.
7	Headphone/ Speaker/ Line-out jack 	Connect to headphones or other line-out audio devices (speakers).



## Right view

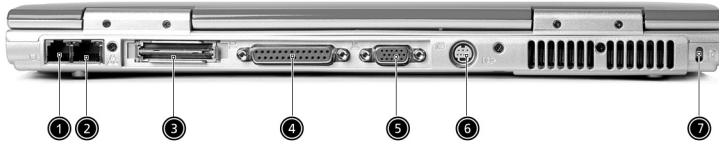








#	Item	Description
1	Slot-loading optical drive eject button	Press the eject button to remove a disc from the slot loading optical drive.
2	Optical disc access indicator	LED that indicates when an optical disc is being read or written.
3	Slot-loading optical drive	DVD Super Multi for both reading and writing DVD+/-RWs and DVD-RAMs.
4	Power jack	Connects to an AC adapter.



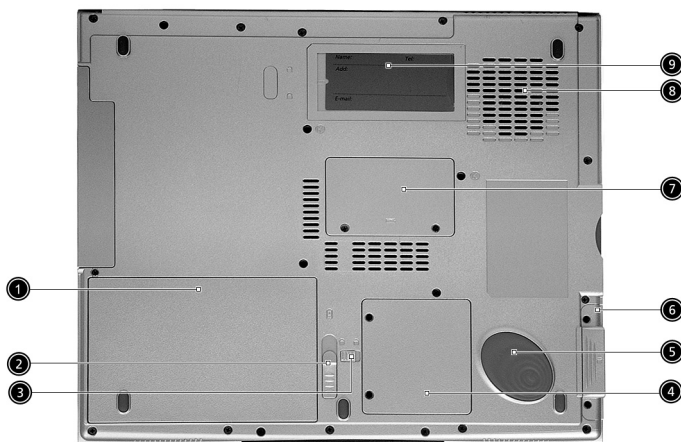
**Note:** The slot-loading optical drive can only accept 12 cm disk.

## Rear view



#	Item	Description
1	Modem jack 	Connects to a phone line.
2	Network jack 	Connects to a Gigabit Ethernet network.
3	100-pin port replicator connector	Connects to an I/O port replicator, or Acer EasyPort expansion devices. (Manufacturing option)
4	Parallel port 	Connects to a parallel device (e.g., parallel printer).
5	External display port 	Connects to a display device (e.g., external monitor, LCD projector) .
6	S-video 	Connects to a television or display device with S-video input.
7	Security keylock 	Connects to a Kensington-compatible computer security lock.

## Bottom view



#	Item	Description
1	Battery bay	Houses the computer's battery pack.
2	Battery release latch	Unlatches the battery to remove the battery pack.
3	Battery lock	Locks the battery in place.
4	Mini-PCI slot	Slot for adding mini-PCI cards.
5	Hard disk protector	Protects the hard disk from accidental bumps and vibration.
6	Hard disk bay	Houses the computer's hard disk (secured by a screw).
7	Memory compartment	Houses the computer's main memory.
8	Cooling fan	Helps keep the computer cool.
9	Personal identification slot	Insert a business card or similar-sized identification card to personalize your computer.

# Features

## Performance

- Mobile AMD Athlon™ 64 processor.
- Memory upgradeable up to 2-GB DDR SDRAM with 2 slots
- High-capacity, Enhanced-IDE hard disk
- Li-ion main battery pack
- Microsoft® Windows® XP operating system

## Display

- Thin-Film Transistor (TFT) liquid crystal display (LCD) displaying 32-bit high color up to 1400 x 1050 Super eXtended Graphics Array (SXGA+) resolution for 15.0"
- ATI MOBILITY™ RADEON™ 9700 with 128MB of video memory.
- 3D graphics engine
- Simultaneous LCD and CRT display support
- S-video for output to a television or display device that supports S-video input
- "Automatic LCD dim" feature that automatically decides the best settings for your display and conserves power
- DualView™

## Multimedia

- AC'97 stereo audio
- Built-in dual speakers.
- Built-in microphone.
- High-speed optical drive
- Built-in slot loading optical drive (DVD Super Multi).
- 15.0" TFT SXGA+(1400 x 1050 resolution) panel.
- Audio input and output jacks.

## Connectivity

- High-speed fax/data modem port

- Gigabit Ethernet (GbE) port
- Fast infrared wireless communication
- Four USB 2.0 (Universal Serial Bus) ports
- IEEE 1394 port
- InviLink 802.11g wireless LAN(Manufacturing option)
- Bluetooth ready
- SD/MMC/SM/MS/MS Pro memory slot

## Human-centric design and ergonomics

- Internet 4-way scroll button
- Sleek, smooth and stylish design
- Acer Fine Touch full-sized curved keyboard
- Ergonomically-centered touchpad pointing device

## Expansion

- One Type II CardBus PC Card slot
- Upgradeable memory
- 100-pin expansion port supporting AcerEasy Port or I/O port replicator

# Indicators

The computer has three easy-to-read status indicators below the display screen, and two on the front of the computer.



The Power and Battery status indicators are visible even when the display is closed.

Icon	Function	Description
	Caps lock	Lights when Caps Lock is activated.
	Num lock	Lights when Num Lock is activated.
	Media Activity	Lights when the disc or optical drive is activated.
	Power	Lights green when the power is on and orange when the computer is in standby mode.
	Battery	Lights orange when the battery is charging.

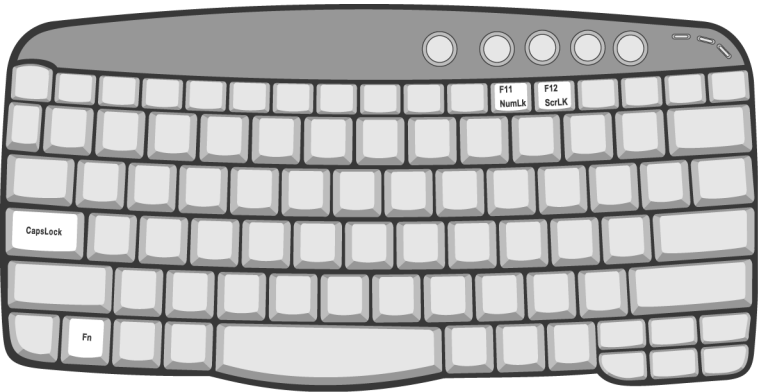
# Using the Keyboard

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

## Special keys

### Lock keys

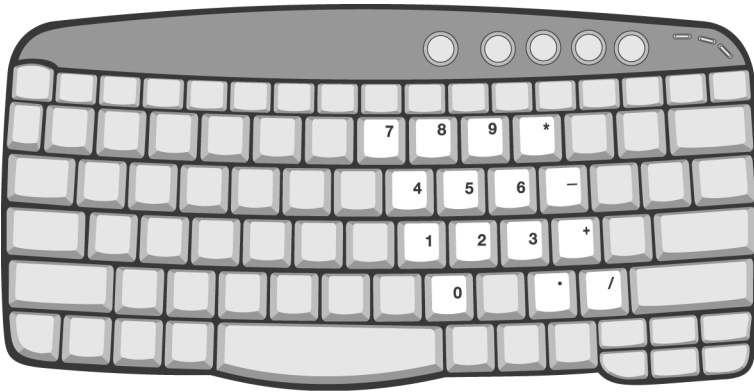
The keyboard has three lock keys which you can toggle on and off.



Lock Key	Description
Caps Lock	When Caps Lock is on, all alphabetic characters are typed in uppercase. Toggle on and off by pressing the Caps Lock key on the left side of the keyboard.
NumLk	When Num Lock is on, the embedded numeric keypad can be used. Toggle on and off by pressing the Fn + F11 keys simultaneously.
Scr Lk	When Scroll Lock is on, the screen toggles up or down one line at a time when the up and down cursor control keys are pressed.

## 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. To simplify the keyboard legend, cursor-control key symbols are not printed on the keys.



Desired Access	Num lock On	Num lock Off
Number keys on embedded keypad	Type numbers in a normal manner.	
Cursor-control keys on embedded keypad	Hold Shift while using cursor-control keys.	Hold Fn while using cursor-control keys.
Main keyboard keys	Hold Fn while typing letters on embedded keypad.	Type the letters in a normal manner.

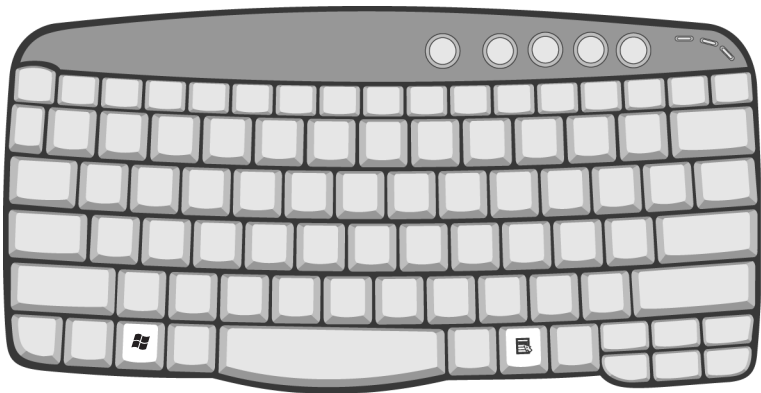










**Note :** If an external keyboard or keypad is connected to the computer, the Num Lock feature automatically shifts from the internal keyboard to the external keyboard or keypad.



# Windows keys

The keyboard features two keys that provide Windows-specific functions.

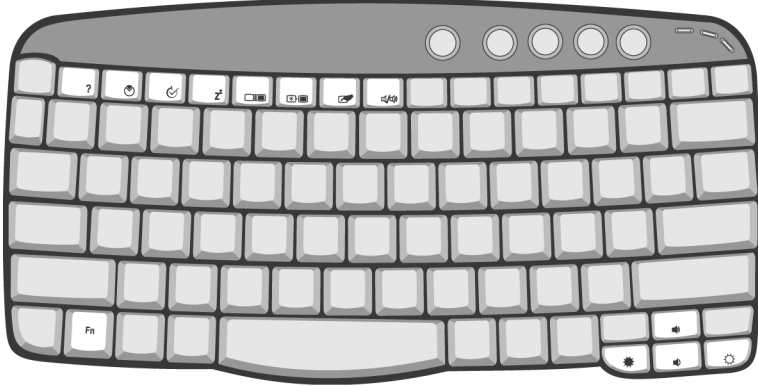


Key	Description
Windows logo key 	Start button. Combinations with this key perform shortcut functions. Below are a few examples:   + Tab (Activates next taskbar button)   + E (Explores My Computer)   + F (Finds Document)   + M (Minimizes All)  Shift +  + M (Undoes Minimize All)   + R (Displays the Run... dialog box)
Application key 	Opens a context menu (same as a right-click).

## Hot keys









Using the Fn key with another key creates a hot key, providing a quick and convenient method for controlling various functions.

To use a hot key, first hold down the Fn key. Next, press the second key in the combination. Finally, release both keys.



Your computer provides the following hot keys:

Hot key	Icon	Function	Description
Fn-F1	?	Hot key help	Displays help on hot keys.
Fn-F2		Setup	Accesses the computer's configuration utility.
Fn-F3		Power management scheme toggle	Switches the power management scheme used by the computer (function available if supported by operating system). See "Power management" on page 38.
Fn-F4	Zz	Sleep	Puts the computer in Sleep mode. See "Power management" on page 38.

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-F8		Speaker toggle	Turns the speakers on and off.
Fn-↑		Volume up	Increases the speaker volume.
Fn-↓		Volume down	Decreases the speaker 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 or United Kingdom or if you have a keyboard with a European layout, you can type the Euro symbol on your keyboard.



**Note for US keyboard users:** The keyboard layout is set when you first set up Windows. For the Euro symbol to work, the keyboard layout has to be set to United States-International.

To verify the keyboard type in Windows® XP, follow the steps below:

- 1 Click on **Start, Control Panel**.
- 2 Double-click on **Regional and Language Options**.
- 3 Click on the **Language** tab and click on **Details**.
- 4 Verify that the keyboard layout used for "En English (United States)" is set to United States-International.

If not, select and click on **ADD**; then select **United States-International** and click on **OK**.

- 5 Click on **OK**.

To type the Euro symbol:

- 1 Locate the Euro symbol on your keyboard.
- 2 Open a text editor or word processor.
- 3 Hold **Alt Gr** and press the Euro symbol.



**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).

# 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.



**Note:** When using an external USB mouse, you can press **Fn-F7** to disable the touchpad.



## Touchpad basics

The following items teach you how to use the touchpad:



- Move your finger across the touchpad 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 produces similar results.

- Use the 4-way scroll (2) button (top/bottom/left and right) to scroll a page up, down, left or right. This button mimics your cursor pressing on the vertical and horizontal scroll bars of Windows applications.

Function	Left button	Right button	Center buttons	Tap
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) then hold finger to the touchpad on the second tap and drag the cursor
Access context menu		Click once		
Scroll			Click and hold the button in the desired direction (up/down/left/right)	



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

# Launch Keys

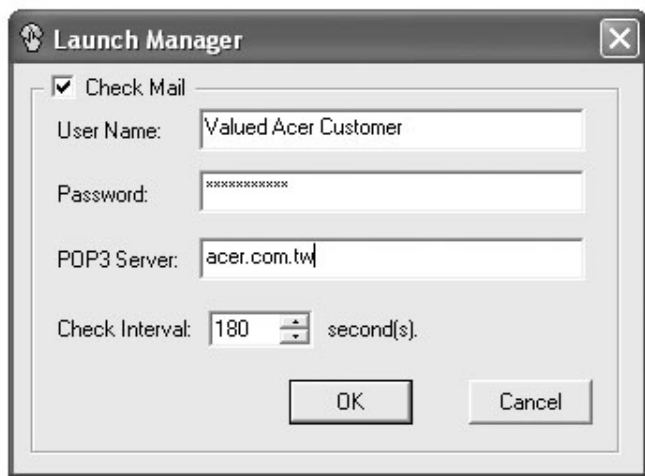
Located above the keyboard are five buttons. The left-most button is the power button. To the right of the power button are the four launch keys. They are designated as the mail button, the web browser button, and two programmable buttons (P1 and P2).



Launch key	Default application
Mail	Email application
Web browser	Internet browser application
P1	User-programmable
P2	User-programmable

## E-Mail Detection

Click right button at the Launch Manager icon on the taskbar and click on E-Mail Detection. In this dialog box, you have the option to enable/disable mail checking, set the time interval for mail checking, etc. If you already have an email account, you can fill in User Name, Password and POP3 Server in the dialog box. The POP3 Server is the mail server where you get your email.



Aside from the email checking function, there is a mail button that is used to launch the email application. It is located above the keyboard right below the LCD.



# Storage

This computer supplies you with the following media storage:

- The High-capacity Enhanced-IDE hard disk
- The high speed optical drive

## Hard disk

The high-capacity hard disk is the answer to your storage needs. This is where your programs and data are stored.

## Optical drive

The optical drive provides increased storage capacity, as well as offering a host of multimedia possibilities.

## Ejecting the optical disc

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



To load an optical disc:

- With the computer turned on, insert the disc into the drive slot until you feel the drive catch the disc and take it the rest of the way in.
- The disc may need to be inserted nearly all the way in before the drive takes it in rest of way.

# Audio

The computer comes with 16-bit high-fidelity AC'97 stereo audio, and includes a built-in sensitive microphone and dual stereo speakers.



There are audio ports on the left of the computer. See “Left view” on page 6 for more information on connecting external audio devices.

## Adjusting the volume

Adjusting the volume on the computer is as easy as pressing some buttons. See “Hot keys” on page 16 for more informations on adjusting the speaker volume.

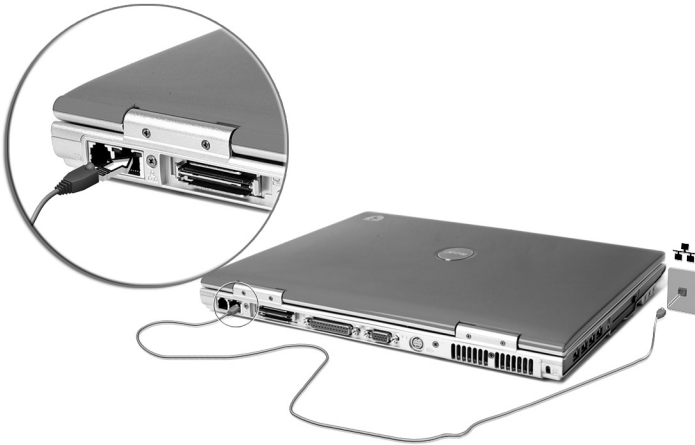
# Connectivity options

Your computer has built-in connectivity options, enabling you to hook up to a network or communicate over a phone line.

## Ethernet and LAN

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

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



**Important!** See Windows® Help for information on setting up a network connection.

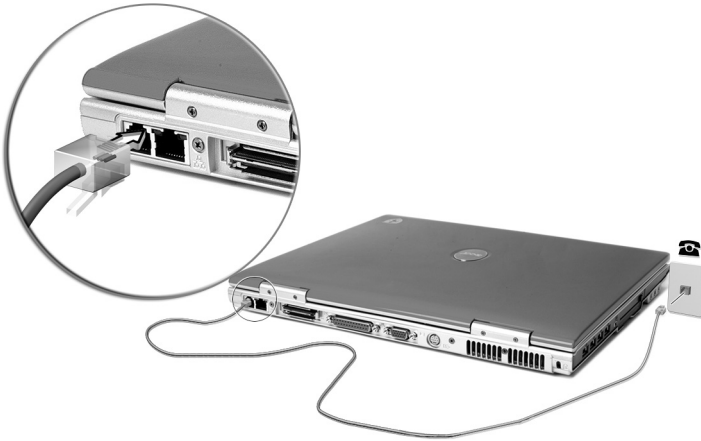
## Fax/data modem

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



-----  
**Warning: This modem port is not compatible with digital phone lines. Plugging the computer into a digital phone system will damage the modem.**

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



## Fast infrared

The computer's fast infrared (FIR) port allows you to do wireless data transfer with other IR-aware computers and peripherals such as PDAs (personal digital assistants), mobile phones, and infrared printers. The infrared port can transfer data at speeds of up to four megabits per second (Mbps) at a distance of up to one meter.



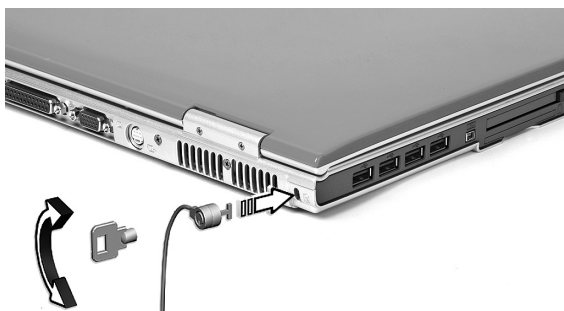
# Securing your computer

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 left panel 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 locked drawer handle. 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 key-in this password to gain access to the BIOS Utility. See “BIOS Setup Utility” on page 64.
- 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.

- Hard Disk Password protects your data by preventing unauthorized access to your hard disk. Even if the hard disk is removed from the computer and moved to another computer, it cannot be accessed without the Hard Disk Password.



**Important!** Do not forget your Supervisor and Hard Disk 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 left-hand corner 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**.
- When the Hard Disk Password is set, a prompt appears at boot-up.
- Type the Hard Disk 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. Slide and hold the power switch for four seconds to shut down the computer. Then turn on the computer again, and try again. If you fail to enter the Hard Disk Password, please contact your dealer or an authorized service center.

## Setting passwords

You can set passwords using the BIOS Utility.



Operating on  
**battery power**

Your Ferrari 3400 computer operates on battery or AC power.

This chapter provides information for operating on battery power, as well as information on how your computer manages and saves power.

# Battery pack

The computer uses a re-chargeable Li-Ion battery pack.

## Battery pack characteristics

The battery pack has the following characteristics:

- Employs current battery technology standards.
- Delivers a battery-low warning.

The battery is recharged whenever you connect the computer to the mains power supply. Your computer supports charge-in-use, enabling you to recharge the battery while you continue to operate the computer. However, recharging with the computer turned off results in a significantly faster charge time.

The battery will come in handy when you travel or during a power failure. It is advisable to have an extra fully charged battery pack available as backup. Contact your dealer for details on ordering a spare battery pack.

## Maximizing the battery's life

Like all other batteries, your computer's battery will degrade over time. This means that the battery's performance will diminish with time and use. To maximize your battery's life, you are advised to adhere to the recommendations set out below.

### Conditioning a new battery pack

Before you use a battery pack for the first time, there is a "conditioning" process that you should follow:

- 1 Insert the new battery without turning the computer on.
- 2 Connect the AC adapter and fully charge the battery.
- 3 Disconnect the AC adapter.
- 4 Turn on the computer and operate using battery power.
- 5 Fully deplete the battery until the battery-low warning appears.
- 6 Reconnect the AC adapter and fully charge the battery again.

Follow these steps again until the battery has been charged and discharged three times.

Use this conditioning process for all new batteries, or if a battery hasn't been used for a long time. If the computer is to be stored for more than two weeks, you are advised to remove the battery pack from the unit.



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**Warning: Do not expose battery packs to temperatures below 0°C (32°F) or above 60°C (140°F). Extreme temperatures may adversely affect the battery pack.**

By following the battery conditioning process you condition your battery to accept the maximum possible charge. Failure to follow this procedure will prevent you from obtaining the maximum battery charge, and will also shorten the effective lifespan of the battery.

In addition, the useful lifespan of the battery is adversely affected by the following usage patterns:

- Using the computer on constant AC power with the battery inserted. If you want to use constant AC power, you are advised to remove the battery pack after it is fully charged.



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**Note:** If you remove the battery, the computer may be unstable if the battery has a rubber foot attached to it.

- Not discharging and recharging the battery to its extremes, as described above.
- Frequent use; the more you use the battery, the faster it will reach the end of its effective life. A standard computer battery has a life span of about 500 charges.

## Installing and removing the battery pack



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**Important!** Before removing the battery from the unit, connect the AC adapter if you want to continue using your computer. Otherwise, turn off the computer first.

To install a battery pack:

- 1 Align the battery with the open battery bay; make sure that the end with the contacts will enter first, and that the top surface of the battery is facing up.
- 2 Slide the battery into the battery bay and gently push until the battery locks in place.

To remove a battery pack:

- 1 Slide the battery release latch to release the battery.
- 2 Pull the battery from the battery bay.

## Charging the battery

To charge the battery, first make sure that it is correctly installed in the battery bay. Plug the AC adapter into the computer, and connect to a mains power outlet. You can continue to operate your computer on AC power while your battery is charging. However, charging the battery with the computer turned off results in a significantly faster charge time.



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**Note:** You are advised to charge the battery before retiring for the day. Allowing the battery to charge overnight before traveling enables you to start the next day with a fully charged battery.

## Discharging the battery

Acer recommends that you fully discharge the battery once a month. This can help to extend the life of the battery. Simply unplug the AC adapter from your computer and allow the battery to run down overnight. Your data will be saved before the computer shuts down and stored in the hard disk.



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**Note:** You are advised to discharge your battery once a month.

## Checking the battery level

The Windows Power Meter indicates the current battery level. Rest the cursor over the battery/power icon on the taskbar to see the battery's present charge level.

## Optimizing battery life

Optimizing battery life helps you get the most out of battery operation, prolonging the charge/recharge cycle and improving recharging efficiency. You are advised to follow the suggestions set out below:

- Purchase an extra battery pack.
- Use AC power whenever possible, reserving your battery for on-the-go use.
- Eject a PC card if it is not being used, as it will continue to draw power.
- Store the battery pack in a cool, dry place. The recommended temperature is 10°C to 30°C. Higher temperatures cause the battery to self-discharge faster.
- Excessive recharging decreases the battery life.
- Look after your AC adapter and battery.

## Battery-low warning

When using battery power pay attention to the Windows Power Meter.



**Warning:** Connect the AC adapter as soon as possible after the battery-low warning appears. Data will be lost if the battery to become fully depleted and the computer shuts down.

When the battery-low warning appears, the recommended course of action depends on your situation:

Situation	Recommended Action
The AC adapter and a power outlet are available.	<ol style="list-style-type: none"> <li>1. Plug the AC adapter into the computer, and then connect to the mains power supply.</li> <li>2. Save all necessary files.</li> <li>3. Resume work.</li> </ol> <p>Turn off the computer if you want to recharge the battery rapidly.</p>

Situation	Recommended Action
An extra fully charged battery pack is available.	<ol style="list-style-type: none"><li>1. Save all necessary files.</li><li>2. Close all applications.</li><li>3. Shut down the operating system to turn off the computer.</li><li>4. Replace the battery pack.</li><li>5. Turn on the computer and resume work.</li></ol>
The AC adapter or a power outlet is unavailable. You have no spare battery pack.	<ol style="list-style-type: none"><li>1. Save all necessary files.</li><li>2. Close all applications.</li><li>3. Shut down the operating system to turn off the computer.</li></ol>

# Power management

Your computer features a built-in power management unit that constantly monitors system activity. System activity refers to any activity involving one or more of the following devices: keyboard, touchpad/mouse, floppy disk drive, hard disk drive, optical drive, peripherals connected to the computer, and video memory. If no activity is detected for a period of time (the settings are controlled in Windows Power Management), the computer turns off some, or all, of these devices in order to conserve power.

Your computer employs a power management scheme that supports ACPI (Advanced Configuration and Power Interface), enabling maximum power conservation without compromising system performance. ACPI allows Windows to control the amount of power given to each device attached to the computer. In this way, Windows handles all power-saving chores for your computer. Refer to Windows Help for more information.



# Peripherals and options

Your Ferrari 3400 computer offers good expansion capabilities.

This chapter provides information on connecting peripherals to expand your system. It also describes how to upgrade key components to enhance system performance and keep your computer in step with the latest technology.

You are advised to consult your dealer for information on peripherals. In addition, make sure that you read the manuals and other documentation provided with new hardware.

## External display devices

You can connect an external (VGA) monitor or projector to your computer's external display port. See the section entitled "Display" for information on using the computer's simultaneous display and multi-display features.

Use the Fn + F5 hot key to toggle the display setting between the computer's LCD panel and the external display device. See "Hot keys" on page 16 for more information.

## External input devices

You can connect a variety of input devices to your computer's USB ports, providing increased functionality and greater ease-of-use. In addition, the USB ports can be used to connect many other peripheral devices, such as digital cameras, printers and scanners. See "Expansion devices" on page 47 for more information on connecting USB devices.

### External keyboard

Your computer features a full-size keyboard. However, if you prefer, you can connect an external keyboard to one of your computer's USB ports. This enables you to enjoy the comfort and added features of a full-size desktop system keyboard when inputting typed data on your notebook computer.

### External keypad

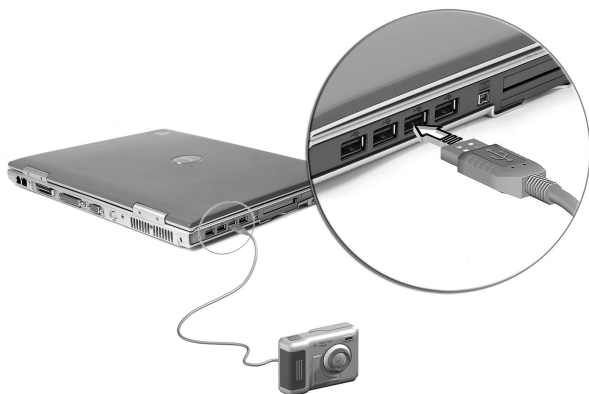
Your computer features an embedded keypad that, when combined with the Num Lock feature, enables you to easily input typed numeric data. Alternatively, you can connect a 17-key numeric keypad to one of your computer's USB ports. This enables you to enjoy the benefits of a numeric keypad without interfering with your use of the computer's keyboard for typing text.

### External pointing device

Your computer features a sensitive touchpad pointing device with two click buttons and a scroll key. However, if you prefer to use a conventional mouse or other pointing device, you can connect it to one of your computer's USB ports.

## USB devices

Your computer features four USB (Universal Serial Bus) 2.0 ports for connecting a range of USB peripherals. See “External input devices” on page 41 and “Printer” on page 45 for information on connecting a USB keyboard, keypad, mouse or printer. Other common USB devices include digital cameras, scanners, and external storage devices.



USB is plug and play, which means that you can connect and start using a USB device without having to restart your computer. You can also disconnect the device at any time.

A further advantage of USB is the ability to use USB hubs. This means that several devices can share a USB port simultaneously.

## IEEE 1394 Port

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



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

## Port expansion devices

Two types of expansion devices are available for your computer:

- **I/O port replicator** - adds PS/2, serial and parallel port connections to your computer.
- **Acer EasyPort** - adds a host of ports for your computer, and allows you to connect and disconnect peripherals from your computer in one quick step.



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**Note:** The LAN port on Acer EasyPort supports 10/100Mbps Fast Ethernet. When connected, the computer's onboard LAN port also only supports 10/100Mbps. Acer EasyPort will disable the computer's onboard audio and S-video ports when connected. See your dealer for more information.



# Printer

Your computer supports both parallel and USB printers.

Refer to the printer's manual for information on:

- Setting up the hardware.
- Installing the necessary drivers in Windows.
- Operating instructions.

To use a USB printer, simply connect the device to one of your computer's USB ports, and then wait for Windows to find the new hardware.

To connect a parallel printer, first shut down the operating system. Connect the printer to the parallel port, and then restart the computer. Wait for Windows to find the new hardware.

## Audio devices

Your computer offers built-in stereo speakers. See the section entitled “Audio” on page 25 for more information on these features. However, in addition to the integrated devices, the two audio ports on the left side of the unit enable you to connect external audio input and output devices.

You can plug an external microphone into your computer's microphone-in jack. This offers the convenience of greater freedom of movement, as well as improved audio input quality.

Connect headphones to the headphone jack for private listening and improved audio output quality.



# Expansion devices

## PC Card

Your computer features a PC card slot that supports a standard Type II PC card (PCMCIA or CardBus). This greatly increases your computer's usability and expandability. A variety of PC cards are available, such as flash memory, SRAM, fax/data modem, LAN, and SCSI cards. Consult your dealer for information on PC card options for your computer.



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

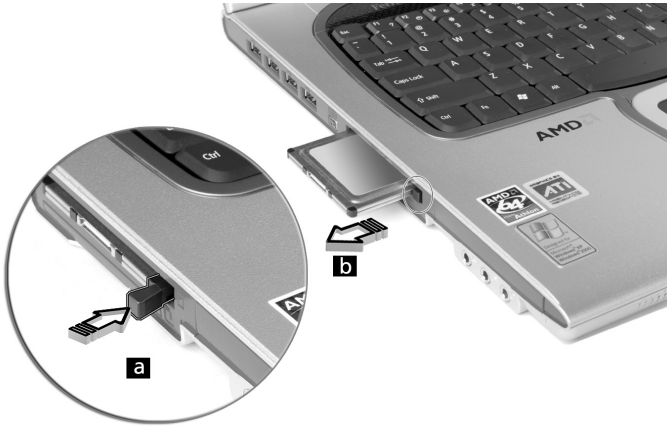
To insert a PC card:

- 1 Align the card with your computer's PC card slot. Make sure that the edge with the connectors is facing the slot, and that the card is the right way up. Many cards are marked with an arrow to help you insert them correctly.
- 2 Slide the card into the slot, and push gently until the card connects.
- 3 If necessary, connect the card's cable to the jack on the outer edge of the card.
- 4 Windows will automatically detect the card's presence.



To remove a PC card:

- 1 Close the application that is using the PC card.
- 2 Double click on the PC card icon on the taskbar, and then select the option to safely remove the card. Wait for the message telling you that it is now safe to remove the card.
- 3 Press the PC card eject button (a) to partially eject the card.
- 4 Pull the card (b) from the slot.



# Miscellaneous options

## Battery pack

It is a good idea to have a spare battery, especially when you travel with your computer. This greatly increases your productive range when you are on the move.

## AC adapter

Having a spare AC adapter allows you to keep one in two different places. For example, you could have one AC adapter at home and another at work. This means that you don't have to carry an AC adapter when traveling between your two base locations.

# Key component upgrades

Your computer is designed to deliver solid performance. However, in time, you might find that your applications demand even more computing power. For this reason, you are able to upgrade key components.



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Note: Contact your authorized dealer if you decide to perform a key component upgrade.

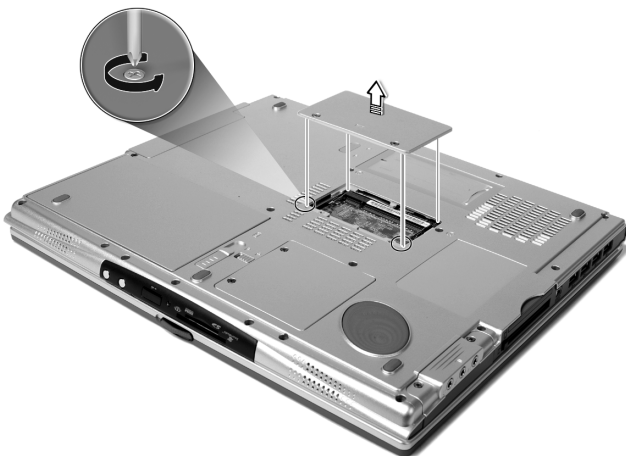
## Memory upgrade

Memory is expandable to 2GB with two memory slots, employing 256/512 MB or 1 GB industry standard soDIMMs (Small Outline Dual Inline Memory Modules). The computer supports DDR (Double Data Rate) DRAM.

Installing memory:

Follow these steps to install memory:

- 1 Turn off the computer, unplug the AC adapter (if connected) and remove the battery pack. Then turn the computer over to access its base.
- 2 Remove the screws from the memory cover (a); then lift up and remove the memory cover (b).



- 3 Insert the memory module diagonally into the slot (a), then gently press it down (b) 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 adapter.
- 6 Turn on the computer.

The computer automatically detects and reconfigures the total memory size.

## Hard disk upgrade

It is possible to replace your hard disk with a higher capacity drive when you need more storage space. Your computer uses a 9.5mm 2.5-inch Enhanced-IDE hard disk. Consult your dealer if you need to perform a hard disk upgrade.



Moving with your  
**computer**

Your Ferrari 3400 computer is ideal for taking with you when you move around. This chapter provides tips on things to consider when traveling with your computer.



# Disconnecting from the desktop

Before moving with your computer, you must turn it off and disconnect all peripherals:

- 1 Save your work and close all applications.
- 2 Shut down Windows to turn off your computer.
- 3 Unplug the AC adapter from the mains outlet, and then disconnect it from the computer.
- 4 Disconnect any external devices, such as a keyboard, mouse, or printer, that are attached to your computer.
- 5 If you are using a security lock cable, disconnect the lock from the computer.
- 6 Pack your computer in a strong, waterproof bag or case.

# Moving around

Sometimes you might need to move your computer a short distance. For example, you might need to move from your office desk to a meeting room. In these situations, you don't have to shut down the operating system.

## Preparing the computer

First, disconnect any peripherals that you don't want to take with you. Next close the lid, placing your computer in Standby mode. You can now safely carry it around the building with you.

When you are ready to use your computer again, open the lid and then press the power button to bring it out of Standby mode.

## What to bring to short meetings

If your battery is fully charged, you probably won't need to take anything else with you to the meeting.

## What to bring to long meetings

For longer meetings, take along the AC adapter. You can use mains power throughout the meeting, or you can run down your battery first, and then connect the AC adapter after receiving the battery-low warning.

If the meeting room does not have an available power outlet, reduce your computer's power consumption by putting it in Standby mode during long periods of inactivity. It is advisable to take along a spare battery if you have one.

# Taking the computer home

When you move between your office and home you will need to prepare your computer for the short trip.

## Preparing the computer

After disconnecting your computer from the desktop, prepare the unit as follows:

- 1 Remove all media from the drives. Loaded media can damage the drive heads during transit.
- 2 Pack the computer in a protective case that is padded to guard against knocks. Make sure that the unit cannot slide around inside the case.



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Caution: Avoid packing items next to the top of the computer, as this could result in damage to the screen.

## What to bring with you

If you don't have spare items at home, it is advisable to take along the AC adapter and this User's Guide.

## Special considerations

To protect your computer in transit, it is advisable to pay attention to the following:

- Minimize the effect of temperature changes. Keep your computer with you instead of placing it in storage holds.
- Avoid leaving your computer in a hot car.
- Changes in temperature and humidity can cause condensation to form in your computer. Before turning the computer on, allow it to return to room temperature, and then check the screen for signs of condensation. If the temperature change is greater than 10°C (18°F), allow the computer to come to room temperature slowly by placing it in a room with a temperature between the outside and room temperatures.

## Setting up a home office

If you frequently work on your computer at home, as well as at work, it may be worthwhile purchasing a second AC adapter. This will allow you to travel lighter, as you can keep an AC adapter in each location.

You might also find it worthwhile keeping a second set of peripherals at home, such as a keyboard, keypad, mouse and printer.

# Traveling with the computer

Sometimes you might need to make longer trips with your computer.

## Preparing the computer

Prepare the computer as you would for moving between your office and home. It is advisable to make sure that the battery is fully charged. If you are traveling by air, you might be required to turn on the computer during security checks.

## What to take with you

It is advisable to take the following items with you:

- AC adapter.
- Spare, fully charged battery packs.
- Additional printer driver files (if you plan to use another printer).
- Phone and network cables (if you plan to use the computer's modem and network connections).

## Special considerations

In addition to the considerations for taking your computer home, keep the following in mind:

- Always take your computer as carry-on luggage.
- If possible, have your computer manually inspected at security checks. Although the computer can pass safely through security X-ray machines, you should never expose it to a metal detector.
- If carried separately, avoid exposing floppy disks to hand-held metal detectors.

# Traveling internationally with your computer

Occasionally you might need to travel between countries with your computer.

## Preparing the computer

Prepare the computer as you would for normal travel. Remember to take special precautions for air travel.

## What to take with you

It is advisable to take the following items with you:

- AC adapter.
- Power cords that are appropriate for the countries you plan to visit.
- Spare, fully charged battery packs.
- Additional printer driver files (if you plan to use another printer).
- Phone and network cables (if you plan to use the computer's modem and network connections). Check that your modem is suitable for the telephone system in the countries you plan to visit. You might have to use a PC card modem in some locations.

## Special considerations

In addition to the considerations for normal travel with your computer, keep the following in mind when traveling internationally:

- Check that your power cord is suitable for the local power supply. If necessary, purchase a power cord that meets local requirements. Avoid using converter kits.
- If you plan to connect over a phone line, check that the computer's modem and your phone cord are suitable for the local phone system. If necessary, purchase a PC card modem that meets local requirements.
- If carried separately, avoid exposing floppy disks to hand-held metal detectors.

# Software

Your Ferrari 3400 computer includes system utilities.

This chapter provides information on the important software that comes with your computer.



# System software

Your computer comes preloaded with the following software:

- Microsoft® Windows® operating system.
- Hardware BIOS setup utility.
- System utilities, drivers and application software.

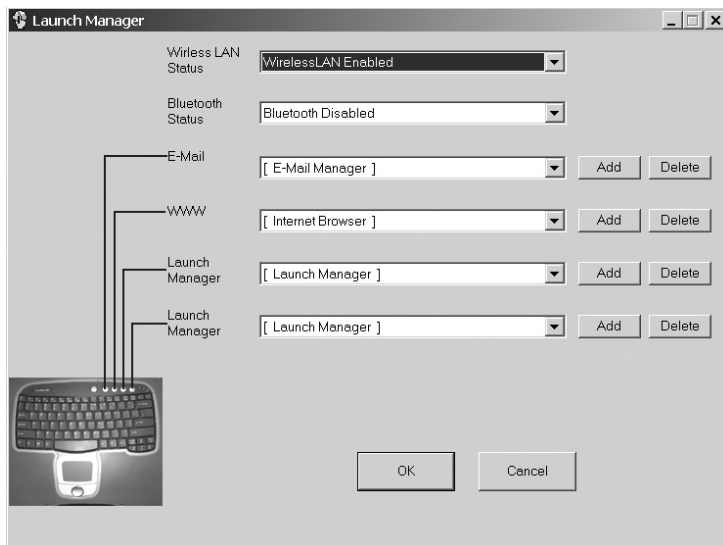


Note: To run software applications in Windows, first click on the Start button. Next, select the appropriate folder, and then click on the application icon. To learn about the software and utility, make use of the online help provided by the software.

## Launch Manager

Launch Manager allows you to set the four launch keys located above the keyboard. See “Launch Keys” on page 21 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.



# BIOS Setup Utility

The BIOS (basic input/output system) contains important information used to configure the hardware and system software settings. Your computer reads the BIOS when it first starts up, before it loads the operating system.

Your computer's BIOS includes a built-in setup utility called Insyde Software SCU (system configuration utility). It can be started shortly after you turn the computer on, by pressing the F2 key during POST.



The BIOS setup utility displays summary information on your computer, its devices, processor and memory.

Your computer is already configured for optimal performance, and so you should not need to run this utility. However, you may need to change the BIOS settings if you encounter configuration problems in the future. Refer to “Frequently asked questions” on page 69 if a problem arises.

# Disc to Disc Recovery



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**Note:** This feature is only available on certain models

## Multilingual operating system installation

Follow the instructions to choose the operating system and language you use when you first power-on the system.

- 1 Turn on the system.
- 2 Acer multilingual operating system selection menu will pop-up automatically.
- 3 Use the arrow keys to scroll to the language version you want. Press **Enter** to confirm your selection.
- 4 The operating system and language you choose now will be the only option for future recovery operations.
- 5 The system will install the operating system and language you chose.

## Restore without a Recovery CD

The recovery process helps you restore the C: drive with the original software content that was installed when you purchased your notebook. Follow the steps below to rebuild your C: drive. (Your C: drive will be reformatted and all data will be erased.) It is important to back up all data files before you use this option.

Before performing a restore operation, please check the BIOS settings.

- a Check to see if "**Hard Disk Recovery**" function is enabled or not.
- b Make sure the [**Hard Disk Recovery**] setting in [**Advanced**] is [**Enabled**].
- c Exit the BIOS Setup Utility and save changes. The system will reboot.



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**Note:** To activate BIOS Setup Utility, press <**F2**> during POST.

- 1 Restart the system.
- 2 The instruction "Press <F2> to Enter BIOS" is shown at the bottom of the screen, during POST.
- 3 Press <Alt> + <F10> at the same time to enter the recovery process.
- 4 The message "The system has password protection. Please enter 000000:" is displayed.
- 5 Enter six 0s and continue.
- 6 "Acer Self-Configuration Preload" window appears.
- 7 Use the arrow keys to scroll through the items (operating system versions) and press **Enter** to select.

## Setup password and exit

Press "**F3**" to setup password or press "**F5**" to exit the system recovery process when "Acer Self-Configuration Preload" window appears.

If "**F3**" is pressed, the next screen shows "Please enter new password:" enter one to eight alphanumeric characters. You will be asked to reenter your password for confirmation before continuing.

The screen will display "Password has been created. Press any key to reboot...", hit any key to reboot your system.

If "**F5**" is pressed, the recovery process will be terminated and the system will reboot and start normally.



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

# Troubleshooting

This chapter instructs you on how to deal with common system problems. Please read it before calling a technician.

Solutions to more serious problems may require opening the computer. Do not attempt to open and service the computer by yourself. Contact your dealer or an authorized service center for assistance.

# Frequently asked questions

This section suggests solutions to commonly encountered problems.

I press the power button, but my computer does not start or boot-up.  
Look at the Power status indicator:

- If it is not lit, no power is being delivered to the computer. Check the following:
  - If you are running on battery power, the battery may be low and unable to power the computer. Connect the AC adapter to recharge the battery pack.
  - If you are running on mains power, make sure that the AC adapter is properly plugged in to the computer and to the power outlet.
- If it is lit, check the following:
  - Make sure that there is not a non-bootable (non-system) diskette in the floppy disk drive. If so, remove the diskette and then 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, check the following:

- The brightness level might be too low. Press Fn + → hot key to increase the screen brightness level.
- The display device might be set to an external monitor. Press the Fn + F5 hot key to toggle the display setting.
- The system may be in standby mode. Try pressing the power button to resume.

The image is not full-screen.

Make sure that the resolution is set to a resolution your system supports:

- Right click on your Windows desktop and select Properties to bring up the Display Properties dialog box. Alternatively, click on the Display icon in Control Panel.
- Click on the Settings tab to check the resolution setting. Resolutions lower than the specified resolution result in a display that is less than full-screen.

There is no audio coming from my computer.

Check the following:

- The volume may be muted. In Windows, look at the volume control 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, click on the volume control icon on the taskbar, and then use the slider control to increase the volume level.
- If headphones are connected to the headphone jack on the computer, your computer's built-in speakers will be turned off.

My external microphone does not work.

Check the following:

- Make sure that the external microphone is properly plugged into the microphone-in jack on the computer.
- Make sure that the volume is not muted or set too low.

I can't eject the optical disc with my computer turned off.

The computer needs to be turned on for the optical drive eject button to function.

The keyboard does not respond.

Try attaching an external USB keyboard to one of your computer's USB ports. If it works, the internal keyboard might have become disconnected. Contact your dealer or an authorized service center.

The floppy disk drive cannot read a diskette.

Check the following:

- Make sure the diskette is properly inserted in the floppy disk drive.
- Make sure that the diskette is formatted.
- Try to read a second diskette. If this works, then the first diskette might have a problem.
- If the diskette is not the cause of the problem, then the drive head might be dirty. Clean it using a drive head cleaning kit.

The optical drive cannot read a disc.

Check the following:

- Make sure that the disc is free from scratches or smudges. If the disc is dirty, clean it using a disc cleaning kit.



- If the disc is OK, the drive head might be dirty. Clean it using a drive head cleaning kit.

The printer does not work.

Check the following:

- Make sure that the printer is connected to a power outlet and it is turned on.
- Check that the cable is properly connected to the appropriate ports on both the computer and the printer.
- If you are using a printer connected to your computer's parallel port, restart the computer. Windows needs to find the new hardware and install the necessary drivers.

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

Follow these steps:

- Click on **Start**, and then click on **Control Panel**.
- Double-click on **Phone and Modem Options**.
- In the **Dialing Rules** tab, begin setting up your location. Refer to Windows Help for more information.

When the battery is 95-99% full, it won't charge to 100% capacity. To preserve the life of the battery, the system only lets you charge the battery when its capacity falls below 95%. It is recommended that you run down the battery, and then fully recharge it.

# 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.

There are two ways to access Acer for technical support and information:

- Internet service worldwide ([www.acersupport.com](http://www.acersupport.com))
- Technical support numbers in various countries

You can view a list of technical support numbers by following these steps:

- 1 Click on **Start, Settings, Control Panel**.
- 2 Double-click on **System**.
- 3 Click on the **Support Information** button.

## 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: \_\_\_\_\_



# Appendix A

# Specifications

This appendix lists the general specifications of your computer.

## Microprocessor

- Mobile AMD Athlon™ 64 processor

## Memory

- Main memory expandable to 2GB
- Dual 200-pin soDIMM sockets
- Support 256M, 512M & 1GB DDR SDRAM
- 512 KB flash ROM BIOS

## Data storage

- One high-capacity E-IDE hard disk
- One high speed optical drive

## Display and video

- Thin-Film Transistor (TFT) liquid crystal display (LCD) displaying 32-bit true color up to 1400 x 1050 Super eXtended Graphics Array (SXGA+) resolution for 15.0"
- Simultaneous LCD and CRT display support
- DualView™
- S-video for output to a television or display device that support S-video input
- "Automatic LCD dim" feature that automatically selects the best setting for the display in order to conserve power

## Audio

- AC'97 stereo audio
- Dual speakers and one internal microphone
- Separate audio ports for headphone-out, line-in and microphone-in devices

## Keyboard and pointing device

- 84-/85-/88-key Windows keyboard
- Ergonomically-centered touchpad pointing device with 4-way scroll button

## I/O ports

- One Type II CardBus PC Card slot
- One RJ-45 network jack (Gigabit Ethernet)
- One RJ-11 modem jack (V.92, 56K)
- One DC-in jack
- One parallel port (ECP/EPP)
- One VGA port for external monitor
- One speaker/headphone-out jack (3.5mm mini jack)
- One audio line-in jack (3.5mm mini jack)
- One microphone-in jack (3.5mm mini jack)
- One IEEE 1394 port
- One S-video TV-out port
- Four USB 2.0 ports
- One FIR port (IrDA)
- 5-in-1 Card Reader
- 100-pin expansion port supporting Acer EasyPort or I/O port replicator

## Weight and dimensions

- 15.0"-display model:
  - 3.01 kg (6.64 lbs)
  - 330(W) x 272(D) x 31.8(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

- ACPI support
- SMBIOS 2.3 support with asset tag capability
- Microsoft® Windows® operating system



## Power

- Proprietary Li-ion battery pack
- 90-Watt AC adapter, auto sensing 100~240 Vac, 50~60Hz

## Options

- 512 MB or 1 GB memory upgrade module
- Additional AC adapter :
  - PA-1900-05QA, 19Vdc, 90W
  - 0202C1990, 19Vdc, 90W
- Additional battery pack
  - SQU-202, 14.8Vdc, 4400mAh
  - 4UR18650F-2-QC-ZG1, 14.8Vdc, 4400mAh
- USB Floppy drive
- 802.11g wireless LAN
- Acer EasyPort



# Appendix B

# Notices

This appendix lists the general notices for your computer.

## 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 Ferrari 3400 is in compliance with the essential requirements and other relevant provisions of Directive 1999/5/EC. (Please visit [www.acer.com/about/certificates/nb](http://www.acer.com/about/certificates/nb) for complete documents.)

## Замечание для РФ

Соответствует сертификатам, обязательным в РФ



ME61

Стенная розетка должна быть правильно заземлена

## 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 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 Ferrari 3400 uses the lithium battery.  
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 AC adapter only when the wall AC socket is ensured to be 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 7A 125V minimum, VDE approved or its equivalent. Maximum length is 15 feet (4.6 meters).
  - 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 ALTINA LASERSÄTEILYLLE.

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

VARNING: LASERSTRÅLNING NAR DENNA DEL ÄR 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 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, 4,907,093, and 6,516,132 licensed for limited viewing uses only.

## 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



.....

**Note:** The applicable number varies according to the different Notified Body ID No. applied to the wireless module installed in this product. These numbers are subject to change without notice.

## 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.

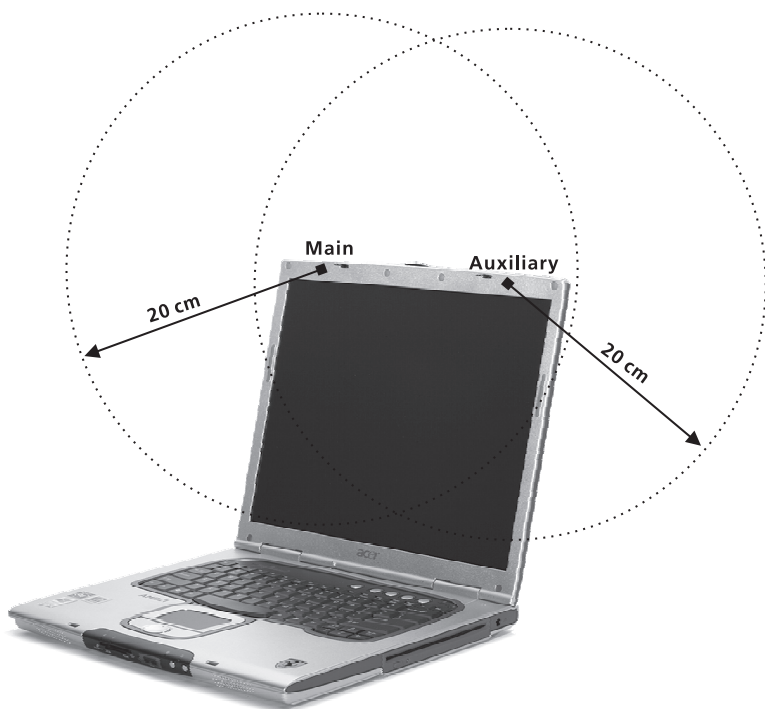
## The FCC RF safety requirement

The radiated output power of Wireless LAN Mini-PCI Card and Bluetooth Card is far below the FCC radio frequency exposure limits. Nevertheless, the Ferrari 3400 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 guide 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 Dual-Band 11b/g Wireless Mini PCI Adapter implements 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 have good quality of radiocommunication.

- 2 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 radiocommunication devices (RSS-210)

### a. Common information

Operation is subject to the following two conditions:

This device may not cause interference and 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 installed outdoors is subject to licensing.

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

Ferrari 3400 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).





**Acer Incorporated**  
8F, 88, Sec. 1, Hsin Tai Wu Rd., Hsichih,  
Taipei Hsien 221, Taiwan

Tel : 886-2-2696-1234  
Fax : 886-2-2696-3535  
www.acer.com



### Declaration of Conformity for CE marking

We,

Acer Inc.  
8F, 88, Sec. 1, Hsin Tai Wu Rd., Hsichih,  
Taipei Hsien 221, Taiwan

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:	Z15
Machine Type:	Ferrari 3400
SKU Number:	Ferrari 340xxx ("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	Radio & Telecommunications Terminal Equipment Directive (R&TTE)

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, Acer Inc.

2004/7/16

-----  
Date

**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:	Notebook Personal Computer
Model Number:	Z15
Machine Type:	Ferrari 3400
SKU Number:	Ferrari 340xxx (*"x" = 0~9, a ~ z, or A ~ Z)
Name of Responsible Party:	Acer America Corporation
Address of Responsible Party:	2641 Orchard Parkway, San Jose CA 95134, U. S. A.
Contact Person:	Mr. Young Kim
Phone No.:	408-922-2909
Fax No.:	408-922-2606

# Index

## A

- ACPI 38
- audio 25
  - adjusting the volume 25
  - connecting externally 46
  - troubleshooting 70

## B

- battery pack
  - battery-low warning 36
  - caring for v
  - characteristics 33
  - charging 35
  - checking charge level 35
  - installing 35
  - low conditions 36
  - maximizing life 33
  - optimizing 36
  - removing 35
  - using the first time 33
- BIOS Setup Utility 64
- brightness
  - hotkeys 17

## C

- caps lock 13
  - on indicator 12
- care
  - battery pack v
  - computer iv
- CD
  - troubleshooting 70
- CD-ROM
  - ejecting 24
- charging
  - checking level 35
- cleaning
  - computer v
- computer
  - bringing to meetings 56
  - caring for iv
  - cleaning v
  - disconnecting 55
  - features 10
  - moving around 56

- security 29
- setting up a home office 58
- taking home 57
- traveling internationally 60
- traveling on local trips 59
- turning off iii

## connections

- audio 46
- external display devices 41
- external input devices 41
- keyboard, external 41
- keypad, external 41
- mouse 41
- printer 45
- USB 42
- connectivity options 26
  - Ethernet 26

## D

- display 11
  - hotkeys 17
  - troubleshooting 69
- DVD
  - troubleshooting 70

## E

- Ethernet connection 26
- Euro 18

## F

- FAQ. See frequently-asked questions
- floppy drive
  - troubleshooting 70
- frequently-asked questions 69
- front view 3

## G

- guide iii

## H

- hard disk 23
  - upgrading 51
- help iii
  - online services 72
- Hibernation mode
  - hotkey 16
- hotkeys 16

## I

- ITW. See warranty

**K**

- keyboard 13
  - connecting externally 41
  - embedded numeric keypad 14
  - hotkeys 16
  - lock keys 13
  - troubleshooting 70
  - Windows keys 15
- keypad
  - connecting externally 41

**L**

- left view 6

**M**

- memory
  - installing 50– 51
  - upgrading 50
- microphone
  - troubleshooting 70
- modem
  - setting location 71
- mouse
  - connecting externally 41

**N**

- Notebook Manager
  - hotkey 16
- notice
  - DVD copyright protection 91
- num lock 13
  - on indicator 12
- numeric keypad
  - embedded 14

**O**

- online services 72
- options
  - hard disk upgrade 51
  - memory upgrade 50
  - PC Cards 47
  - spare AC adapter 49
  - spare battery 49

**P**

- password 29
  - types 29
- PC Card
  - inserting 47

- removing 48
- power management 38
- printer
  - connecting 45
  - troubleshooting 71
- problems 69
  - audio 70
  - CD 70
  - diskette 70
  - display 69
  - DVD 70
  - floppy drive 70
  - keyboard 70
  - printer 71
  - startup 69

**R**

- rear view 8
- right view 7

**S**

- safety
  - CD or DVD 90
  - FCC notice 83
  - general instructions 89
  - modem notices 84
- security
  - keylock 29
  - passwords 29
  - smart card 29
- service
  - when to call v
- software
  - bundled 63
- speakers
  - hotkey 17
  - troubleshooting 70
- Standby mode
  - hotkey 16
- status indicators 12
- status LCD 12
- storage 23
  - hard disk 23
- support
  - information 72

**T**

- touchpad 19
  - hotkey 17

using 19– 20  
travel  
    international flights 60  
    local trips 59

**U**

USB  
    connecting 42

**V**

volume  
    adjusting 25

**W**

warranty  
    International Traveler's Warrant-  
        ty 72  
Windows keys 15