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Prestigio Nobile 1550 User's Manual

Notebook Computer User's guide Original Issue: September 2005

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

Notebook Computer

Model Number: _____

Serial Number: _____

Purchase Date: _____

Place of Purchase: _____

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Preface

This notebook computer incorporates the latest mobile technologies in a slim and portable package.

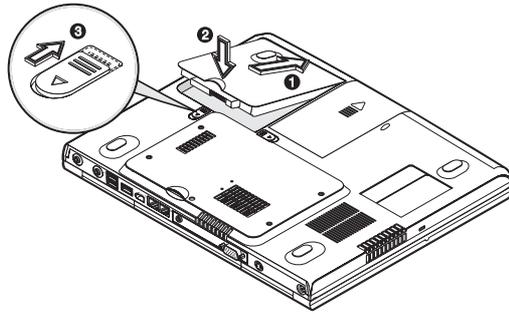
This manual should answer most of the questions you have about the day-to-day operation of your notebook computer. You should also take advantage of the online help files that are available with almost all of the programs shipped with your computer.

We hope you enjoy your notebook computer. With proper care, your computer will provide you with years of productive service.

Connecting the computer

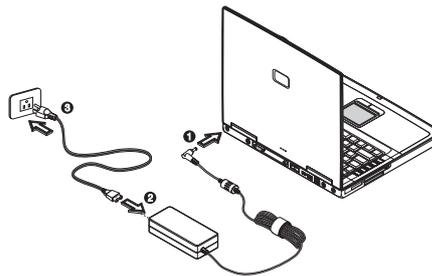
Connecting the computer is as easy as 1-2-3.

1. Insert the battery at an angle (1); press gently on the battery (2) until it clicks into place. Then slide the battery lock to the lock position (3).

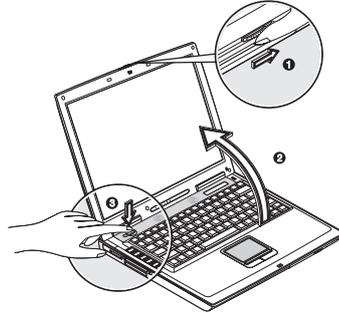


Note: When using a battery pack for the first time, fully recharge the battery, then disconnect the adapter to use up the battery before recharging again. Perform this action twice to condition the battery pack.

2. Connect one end of the AC adapter to the DC-in port on the computer's rear panel (1); connect the power cord to the AC adapter (2) and the other end to a properly grounded power outlet (3).



3. Slide the release latch to the right (1) and open the display (2) to a comfortable viewing angle. Press the power switch (3) to turn on the power. The POST (power-on self-test) routine executes and Windows begins loading.



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Note: To turn off the power, use the Windows Turn Off command to shut down the computer. If you are unable to shut down your computer normally, press and hold the power switch for more than four seconds to turn off the computer. If you turn off the computer and want to turn it on again, wait at least two seconds before powering up.

Care and maintenance

Taking care of your computer

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

- Do not expose the computer to direct sunlight. Do not place it near sources of heat, such as a radiator.
- Do not expose the computer to temperatures below 0°C (32°F) or above 50°C (122°F).
- Do not subject the computer to magnetic fields.
- Do not expose the computer to rain or moisture.
- Do not spill water or any liquid on the computer.
- Do not subject the computer to heavy shock and vibration.
- Do not expose the computer to dust and dirt.
- Never place objects on top of the computer to avoid damaging the computer.
- Never place the computer on uneven surfaces.

Taking care of your AC adapter

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

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

Taking care of your battery pack

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

- Use only batteries of the same kind as replacements. Turn the power off before removing or replacing batteries.

- Do not tamper with batteries. Keep them away from children.
- Dispose of used batteries according to local regulations. Recycle if at all possible.

Cleaning and servicing

When cleaning the computer, follow these steps:

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

Contact your dealer or see your service technician if any of the following occurs:

- The computer has been dropped or the body has been damaged.
- Liquid has been spilled into the product.
- The computer does not operate normally.

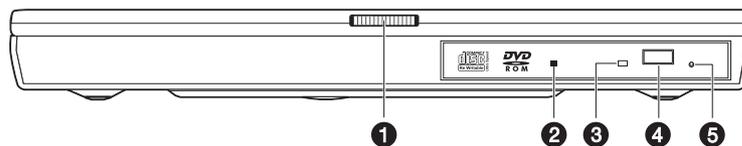
Getting familiar with your computer

This computer combines high-performance, versatility, power management features and multimedia capabilities with a unique style and ergonomic design. Work with unmatched productivity and reliability with your new power computing partner.

A tour of your computer

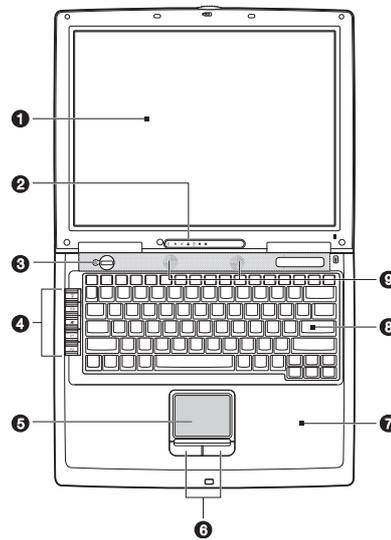
Let us show you around your new notebook computer.

Front view



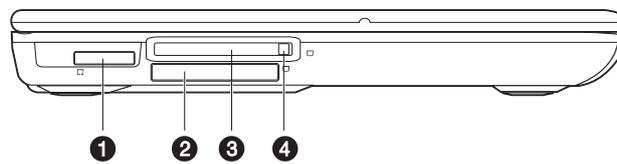
#	Item	Description
1	Display cover latch	Slide to the right to unlatch the display cover.
2	Optical drive	Accepts a CD or DVD.
3	Eject button	Press to eject the drive tray.
4	LED indicator	Lights up when the optical is active.
5	Emergency eject hole	Insert a pin to eject the drive tray when power is off.

Top view



#	Item	Icon	Description
1	Display screen		Also called LCD (liquid-crystal display), displays computer output.
2	Status indicators		LEDs (light-emitting diodes) that turn on and off to show the status of the computer and its functions and components.
3	Power button		Turns on the computer power.
4	Launch keys		Buttons for launching frequently-used programs.
5	Touchpad		Touch-sensitive pointing device which functions like a computer mouse.
6	Click buttons (left and right)		The left and right buttons function like the left and right mouse buttons.
7	Palm rest		Comfortable support area for your hands when you use the computer.
8	Keyboard		Inputs data into your computer.
9	Speakers		Outputs sound.

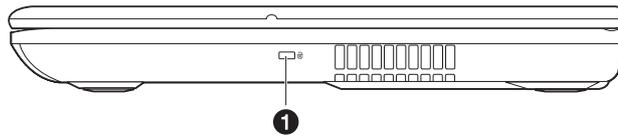
Left view



#	Item	Icon	Description
1	4-in-1 card slot		Accepts a Secure Digital (SD), Memory Stick (MS), xD-Picture Card (xD) or MultiMediaCard (MMC) memory card.

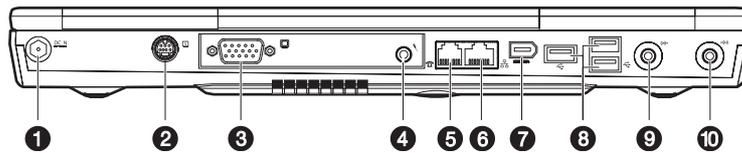
#	Item	Icon	Description
2	ExpressCard slot	 ExpressCard	Accepts on ExpressCard/34 or one ExpressCard/54 module.
3	PC Card slot		Accepts one Type II 16-bit PC Card or 32-bit CardBus PC Card.
4	PC Card eject		Ejects the PC Card from its slot. button

Right view



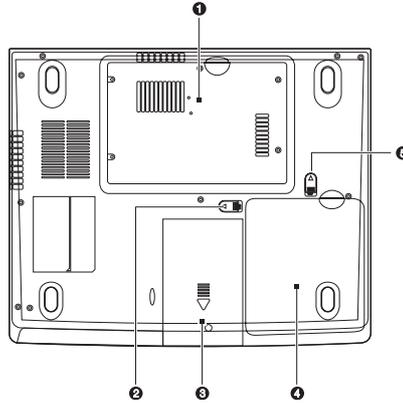
#	Item	Icon	Description
1	Security keylock		Connects to a Kensington-compatible computer security lock.

Rear view



#	Item	Icon	Description
1	DC-in jack		Connects to an AC adapter.
2	S-video out port		Connects to a television or display device with S-video input.
3	External monitor port		Connects to a display monitor (up to 1024x768 resolution).
4	Microphone		Inputs sounds and voices into your computer.
5	Modem jack		Connects a phone line (only for models with an internal fax/data modem).
6	Network jack		Connects to an Ethernet-based network.
7	IEEE 1394 port	IEEE 1394	Connects to a IEEE 1394-compatible (6-pin) device (e.g., digital video camera).
8	USB ports		Connect to USB devices (e.g., USB digital camera).
9	S/PDIF line-out jack		Connects to audio line-out devices (e.g., speakers, headphones); supports S/PDIF connections.
10	Line-in jack		Accepts audio line-in devices (e.g., audio CD player, stereo walkman).

Bottom view



#	Item	Icon	Description
1	Memory compartment		Houses the computer's main memory
2	Battery release latch		Unlatches the battery to remove it.
3	Hard disk bay		Houses the computer's hard disk.
4	Battery bay		Houses the computer's battery pack.
5	Battery lock		Locks/unlocks the battery pack.

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Features

This computer was designed with the user in mind. Here are just a few of its many features:

Performance

- For 1550: Intel® Pentium® M Processor 1.3~1.73 GHz (North Bridge: 915GM)
- For 1500: Intel® Celeron® M Processor 1.3~1.7 GHz (North Bridge: 910GML)
- 15.0-inch TFT (Thin Film Transistor) LCD at 1024x768 XGA (eXtended Graphics Array) resolution displaying in 32-bit color depth
- Memory upgradeable to 1 GB with two soDIMM slots (915GM: 533 MHz DDR2; 910GML: 400 MHz DDR2)
- High-capacity, Enhanced-IDE hard disk
- Lithium-Ion battery pack
- Power management system
- Dual display capability
- Simultaneous LCD and CRT display
- External display support up to 1024x768 resolution

Multimedia

- AC'97 2.2-compliant stereo audio
- S/PDIF line-out jack

- DVD, DVD-CDRW Combo or DVD Dual drive
- S-video output port

Connectivity

- High-speed fax/data software modem
- Ethernet LAN
- ExpressCard (ExpressCard/34 or ExpressCard/54 module)
- 802.11b/802.11b+g/802.11a+b+g wireless LAN (option)
- USB 2.0
- IEEE 1394
- 4-in-1 card slot: Secure Digital (SD), Memory Stick (MS), xD-Picture Card (xD) or MultiMediaCard (MMC)
- Built-in Bluetooth (option)

Human-centric design and ergonomics

- Sleek, smooth, slim and stylish design
- Full-sized keyboard
- Ergonomically-centered touchpad pointing device
- Launch keys

Expansion

- Upgradeable memory and hard disk

Display

The graphics display offers excellent viewing, display quality and desktop-performance graphics. The computer supports a large Thin-Film Transistor (TFT) liquid crystal display (LCD) displaying up to 16.7 million colors at 1024x768 XGA resolution.

Simultaneous display

The computer's crisp display and multimedia capabilities are great for viewing movies or giving presentations. If you prefer, you can also connect an external monitor when giving presentations. This computer supports simultaneous LCD and external display output via the external display port or the S-video output port.

Simultaneous display allows you to control the presentation from your computer and at the same time face your audience. You can also connect other output display devices such as LCD projection panels for large-audience presentations.

Power management

The power management system incorporates an "automatic LCD dim" feature that automatically dims the LCD when the computer is powered by a battery pack to conserve battery power.

Opening and closing the display

To open the display, slide the display cover latch to the right and lift up the cover, then tilt it to a comfortable viewing position.

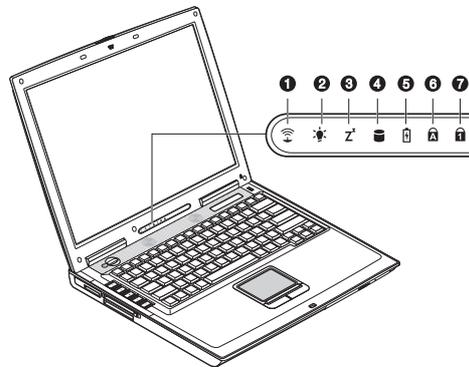
The computer employs a microswitch that turns off the display (e.g., enters standby mode) to conserve power when you close the display cover, and turns it back on when you open the display cover. To close the display cover, fold it down gently until the display cover latch clicks into place.

Caution: To avoid damaging the display, do not slam it when you close it. Also, do not place any object on top of the computer when the display is closed.

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Indicators

The computer has seven easy-to-read status indicators (LEDs) under the display screen.



The Power and Standby indicators are visible even when you close the display cover so you can see the status of the computer while the cover is closed.

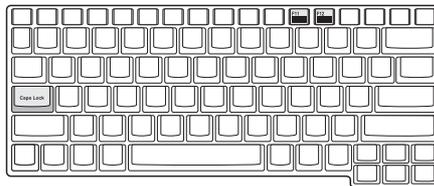
#	Function	Icon	Description
1	Wireless communication		Lights when the wireless LAN (optional) capabilities are enabled.
2	Power		Lights when the computer is on. When battery-low condition occurs, will blink when turning on the computer.
3	Standby		Blinks when computer enters Hibernation mode.
4	Media activity		Lights when the hard disk, or CD or DVD drive is active.
5	Battery charge		Lights when the battery is being charged.
6	Caps lock		Lights when Caps Lock is activated.
7	Num lock (Fn-F11)		Lights when Numeric Lock is activated.

Keyboard

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

Special keys

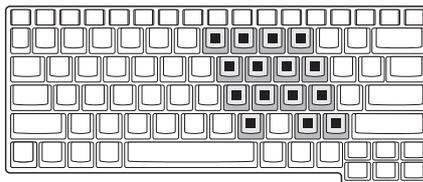
Lock keys



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

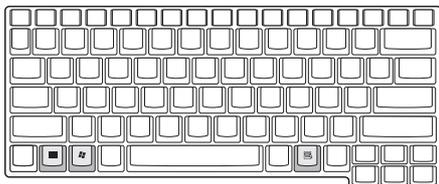
Embedded numeric keypad



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

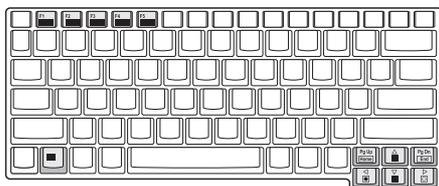
Windows keys



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

Key	Description
Windows logo key 	Start button. Combinations with this key perform special functions. 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 Run dialog box)
Application key 	Opens the application's context menu (same as right-click).

Hotkeys



The computer uses hotkeys or key combinations to access controls such as screen contrast and brightness, volume output and the BIOS setup utility.

Hotkey	Function	Icon	Description
Fn-F1	Hotkey help	?	Displays a list of the hotkeys and their functions.
Fn-F2	Sleep		Puts the computer in Sleep mode, which can be defined via the advanced section of the Power Management Properties in the Windows Control Panel.
Fn-F3	Display toggle		Switches display output between the display screen, external monitor (if connected) and both the display screen and external monitor.
Fn-F4	Screen blank		Turns the display screen backlight off to save power. Press any key to return.
Fn-F5	Speaker on/off		Turns the speakers on and off; mutes the sound.
Fn-F6	Touchpad toggle		Enables or disables the touchpad.

Hotkey	Function	Icon	Description
Fn-PgUp	Home		Functions as the "Home" key.
Fn-PgDn	End		Functions as the "End" key.
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.

Activating hotkeys

When activating hotkeys, press and hold the Fn key before pressing the other key in the hotkey combination.

Keyboard ergonomics

Located below the keyboard, the wide and curved palm rest is ergonomically designed to provide you with a very comfortable place to rest your hands while you type.



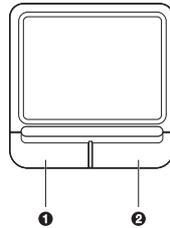
Touchpad

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 palm rest provides optimum comfort and support.



Touchpad basics

The following teaches you how to use the touchpad:



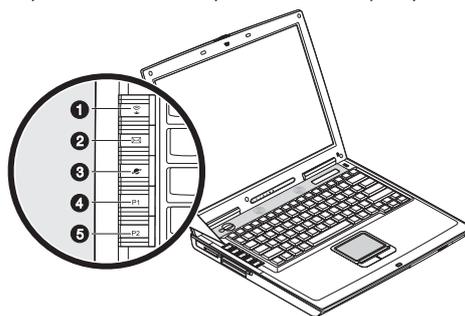
- Move your finger across the touchpad to move the cursor.
- Press the left (1) and right (2) buttons located on the edge of the touchpad to do selection and execution functions. These two buttons are similar to the left and right buttons on a mouse. Tapping on the touchpad produces similar results.

Function	Left Button	Right Button	Tap
Execute	Click twice quickly.		Tap twice (at the same speed as double-clicking the 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 the mouse button) and hold finger to the touchpad on the second tap to drag the cursor.
Access context menu		Click once.	

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

Launch keys

Located to the left of the keyboard are five launch keys used to launch frequently used applications.



#	Item	Icon	Description
1	Wireless communication		This button is used to enable or disable the wireless LAN (optional) function.

#	Item	Icon	Description
2	Email		The mail button is used to launch the email application.
3	Internet browser		By default, is used to launch your internet browser.
4	P1		This button is user-programmable.
5	P2		This button is user-programmable.

Storage

This computer supplies you with the following media storage:

- High-capacity Enhanced-IDE hard disk
- DVD, DVD-CDRW Combo or DVD Dual drive
- Multi-media reader
- External USB 3.5-inch floppy drive (option)

Hard disk

The high-capacity hard disk is where your programs and data are stored.

Optical drive

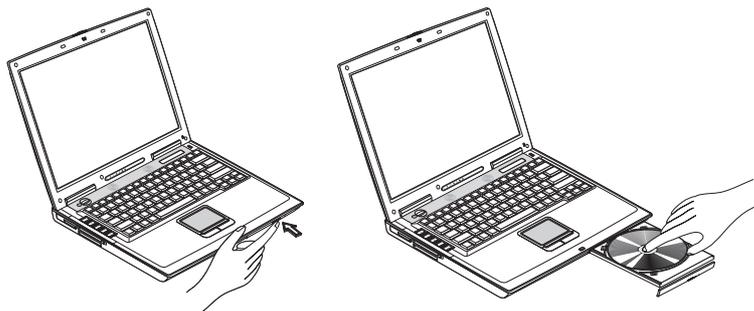
A high-speed DVD, DVD-CDRW Combo or DVD Dual drive gives you portable multimedia access. The drive allows you to watch DVD movies, and the combo drive, in addition, lets you burn your data onto a CD recordable disc. The DVD-Dual drive lets you burn data onto a CD or DVD recordable disc.

Inserting the disc

To insert a disc into the optical drive, press the eject button to eject the drive tray. Pull out the drive tray and place a disc securely on the spindle; then close the drive tray.

Removing a disc

Before ejecting a disc, make sure that no programs or applications are using the disc. Then press the eject button to eject the drive tray. Pull out the drive tray and remove the disc from the spindle. Close the drive tray.



Playing DVD movies

To play DVD movies in your computer, just insert a DVD movie disc into the drive and the DVD movie will automatically play after a few seconds.

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

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

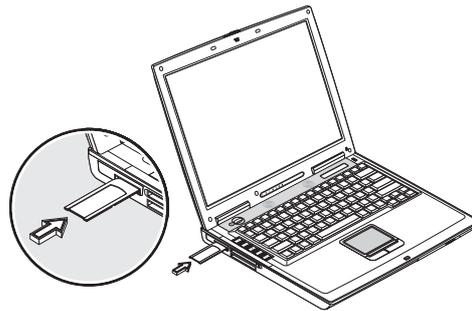
Note: To change the region code, insert a DVD movie of a different region into the DVD drive. Please refer to the online help for more information.

Burning CDs and DVDs

Your computer comes with a DVD, DVD-CDRW Combo or DVD Dual drive, allowing you to burn DVDs and CDs on your computer. Please refer to the online help of the DVD or CD recording software on your hard disk for more information.

Multi-Media reader slot

The computer comes with a Multi-media reader slot. The slot accepts a Memory Stick, SD, xD-Picture Card or MMC for easy transfer of photos and data from your digital camera.





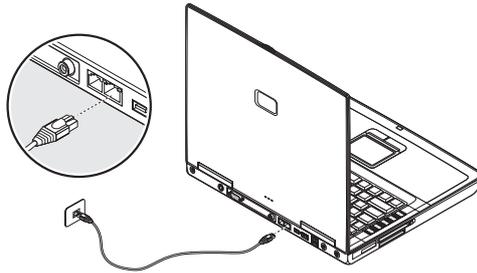
Connectivity options

The computer has built-in features for connecting to a network and communicating with other computers.

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Ethernet (LAN)

The built-in network feature allows you to connect your computer to an Ethernet-based (10/100 Mbps) 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.

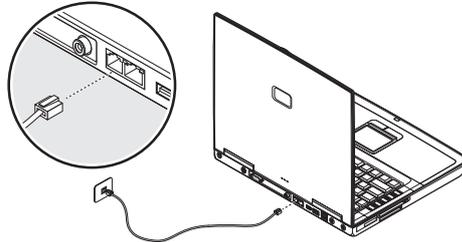


Fax/data modem

The computer has a built-in fax/data modem (available in select countries).

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

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



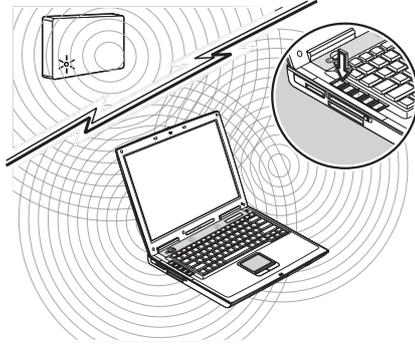
Note: Computer housing design might differ from the illustration.

Wireless communication

This computer can be equipped with a wireless communication feature (option). This feature allows you to connect to an Ethernet-based network wirelessly and communicate with other wireless communication devices.

You can manually turn off your wireless communication feature.

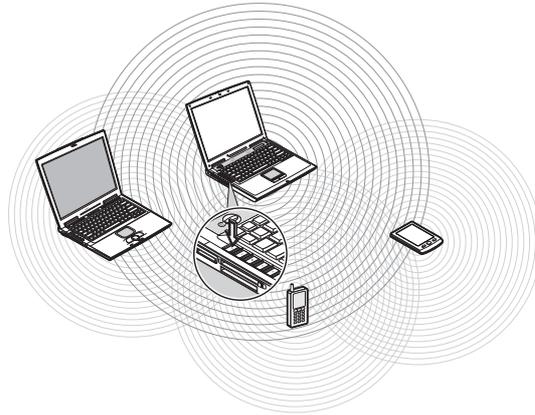




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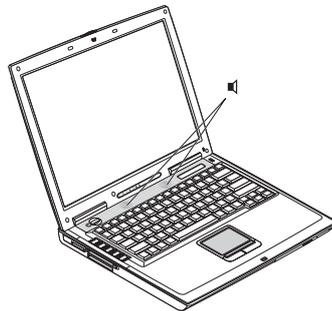
Bluetooth (option)

The Bluetooth feature allows you to connect and communicate to another Bluetooth enabled devices.



Audio

Your computer includes 16-bit high-fidelity stereo audio and a built-in microphone. The speaker located near the keyboard, direct sound towards you to further enhance sound output. There are audio ports on the rear panel of the computer.





Securing your computer

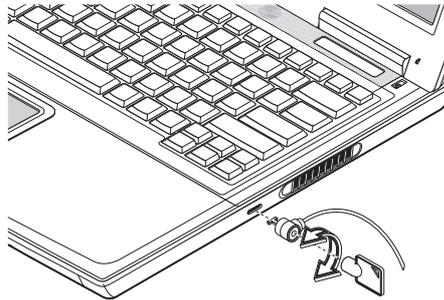
Security features include hardware and software locks - a security notch and password.

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Security notch

A security notch located on the right 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.



Passwords

Passwords protect your computer from unauthorized access. When set, no one can access the computer without entering the correct password.

There are two types of passwords you can set:

- Supervisor Password secures your computer against unauthorized entry to critical parameters in the BIOS Utility.
- User Password secures your computer against unauthorized use, and allows limited access to the BIOS Utility.
- Hard Disk Password protects your data by preventing unauthorized access to your hard disk (even if the hard disk is physically removed from the computer and installed in another computer).

Important: Do not forget your Setup and Hard Disk password! If you forget your password, please get in touch with your dealer or an authorized service center.

Battery pack

The computer uses a battery pack that gives you long use between charges.

Battery pack characteristics

The battery pack has the following characteristics:

- Employs current battery technology standards

The computer uses a Lithium-Ion battery pack which does not have the memory effect problem of Nickel Cadmium (NiCd) batteries. Li-Ion batteries consistently provide the longest battery life, best-suited for road warriors.

- Battery-low warning

When the battery charge level becomes low, the status indicator of the computer flashes at regular intervals. This tells





you that the battery power is critically low (and you should save your work). You can correct this situation by recharging the battery pack.

Whenever possible, use the AC adapter. 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.

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Using a battery pack for the first time

When using a battery pack for the first time, follow these steps:

1. Connect the AC adapter to a power source and to the computer and fully recharge the battery.
2. Disconnect the adapter to use up the battery before recharging again.

You only need to do this once or twice with a new battery or with a battery that's been stored without being used for a long time. If the computer is to be stored for more than two weeks, we suggest you remove the battery pack. Battery power from a fully charged battery pack depletes in roughly a day with the computer in Standby mode, a month in Hibernation mode or when power is off.

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

Installing and removing the battery pack

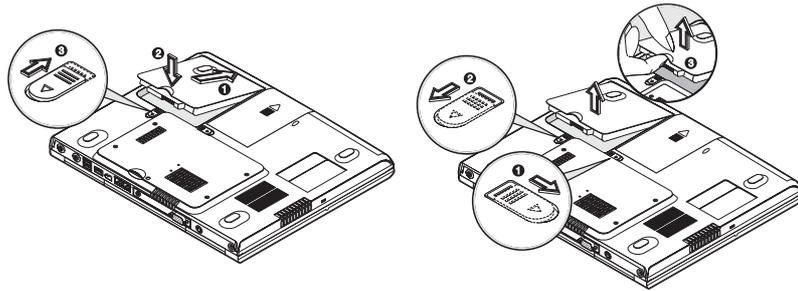
Important! Before removing the battery pack, make sure that you have an AC adapter connected to the computer; otherwise, turn off the computer.

To install a battery pack:

Insert the battery at an angle (1); press gently on the battery (2) until it clicks into place. Then slide the battery lock to the lock position (3).

To remove the battery pack:

Slide the battery lock to the unlock position (1); slide and hold the battery release latch (2); insert your finger in the slot to lift up and remove the battery pack (3).



Charging the battery

To charge the battery, install the battery pack and plug the AC adapter into the computer and an electrical outlet.



Charging modes

The adapter has two charging modes:

- Rapid mode

The computer uses rapid charging when power is turned off and a powered AC adapter is connected to it. In rapid mode, a fully depleted battery gets 95% charged in approximately 1.5 hours.

- Charge-in-use mode

When the computer is in use with the AC adapter plugged in, the computer also charges the battery pack if installed. This mode will take longer to fully charge a battery than rapid mode. In charge-in-use mode, a fully depleted battery gets 95% charged in approximately 2.5 to 4 hours.

Note: We suggest that you charge the battery pack before retiring for the day, letting it charge overnight before traveling. This ensures a fully charged battery for use the next day.

Checking the battery level

The Windows battery meter indicates the present battery level. Simply rest your cursor on the battery meter (or AC plug) icon on the taskbar to see the present charge level of your battery.

Optimizing battery life

This section helps you get the most out of battery operation. Optimizing battery life prolongs the charge/recharge cycle and improves recharge efficiency. Follow these suggestions to optimize and maximize battery power:

- Purchase an extra battery pack.
- Use the AC adapter whenever possible so that the battery is reserved for on-the-go computing.
- Keep the battery pack in the computer powered by the AC adapter. The constant trickle charge maintains the battery level to eliminate the battery self-discharge effect. The charge-in-use function also charges the battery pack.
- Eject the PC card from the card slot when it is not in use, since the PC card draws extra power.
- Store the battery pack in a cool, dry place. The recommended storage temperature for battery packs ranges from 10 to 30 degrees Celsius. The higher the storage temperature, the faster the battery pack self-discharges.
- The batteries can be recharged about 400 times when used as directed. Excessive recharging decreases battery life.
- Take care of your battery pack and AC adapter.

Battery-low warning

You never have to worry about battery power as long as you are using the AC adapter. However, when you operate the computer on battery power, pay extra attention to the power indicator on the display panel. During a battery-low condition, the power indicator flashes at regular intervals until battery power is depleted.

Warning! Connect the AC adapter to the computer as soon as possible. Data is lost when computer power is cut off during Standby mode.



The following table shows the recommended course of action to take when you encounter a battery-low condition.

Situation	Recommended Action
AC adapter and power outlet available	<ol style="list-style-type: none"> 1. Connect the AC adapter to the computer. 2. Save all necessary files. 3. Resume work. Power off the computer if you wish to recharge the battery rapidly.
An extra fully-charged battery pack available	<ol style="list-style-type: none"> 1. Save all necessary files. 2. Exit the application. 3. Power off the computer. 4. Replace the battery pack. 5. Power on the computer and resume work.
AC adapter or power outlet not available	<ol style="list-style-type: none"> 1. Save all necessary files. 2. Exit the application. 3. Power off the computer.

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Power management

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

This computer employs a power management scheme that supports ACPI (Advanced Configuration and Power Interface) which allows for maximum power conservation and maximum performance at the same time. Windows handles all power-saving chores for your computer.

Advanced Configuration and Power Interface

Advanced Configuration and Power Interface (ACPI) is a power management specification jointly developed by Compaq, Intel, Microsoft, Phoenix and Toshiba. ACPI enables Windows to control the amount of power given to each device attached to the computer. With ACPI, Windows can turn off peripheral devices when they are not in use, thereby saving power.

Note: We recommend you enable power management to prolong your battery life. Refer to Windows help for more details.

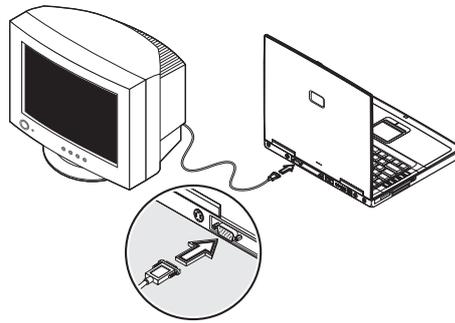


Peripherals and options

Your computer offers excellent expansion capabilities with its built-in ports, connectors and bays. This chapter describes how to connect peripherals and hardware options that help you use your computer with ease. When connecting peripherals, read the manual included with the peripheral for operating instructions. You can purchase most of these and other options directly from authorized dealers.

External monitor

You can connect an external monitor to the external monitor port on the rear panel. Read the monitor manual for additional instructions.



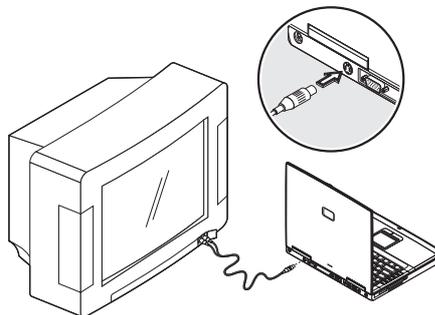
Note: If an external monitor is not connected, closing the display cover puts the computer into Standby mode.

Using simultaneous display

Your computer takes advantage of Windows multi-display capability, allowing you to use your computer for presentation purposes. So whatever is displayed in your computer will likewise be displayed on the other external display. To use simultaneous display, connect an external display device to the external monitor port or S-video output jack. You can then toggle the display output location by pressing Fn-F3 to make the image appear on both the computer LCD and external display device.

S-video

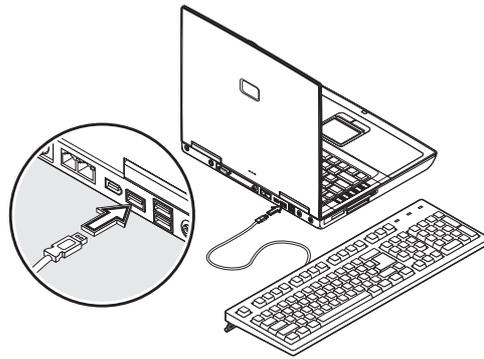
The S-video port allows you to output to a television or display devices that support S-video input. This is useful if you want to do some presentations or watch movies on a bigger screen.





External keyboard

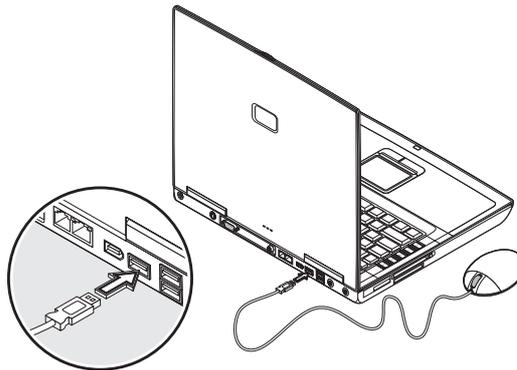
This computer has a keyboard with full-sized keys and an embedded keypad. If you feel more comfortable using a desktop keyboard, you can connect a USB external keyboard to an available USB port.



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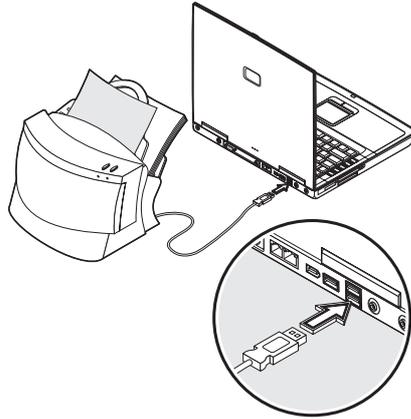
External pointing device

This computer accepts a USB mouse or a similar pointing device. Simply plug it into an available USB port.



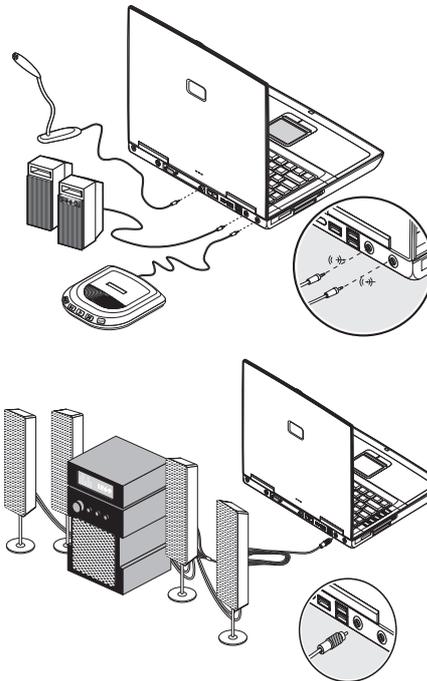
Printer

You can connect a USB printer to an available USB port. See your printer manual for operating instructions.



Audio devices

Audio devices are easy to connect with the audio ports accessible from the rear of the computer. You can plug an external microphone (or an audio line-in device) into the line-in jack. Amplified speakers or headphones connect to the line-out jack. The line-out jack also supports digital audio output (S/PDIF).





PC Card

The computer has a built-in CardBus PC Card slot that can accommodate one type II PC Card. Please consult your dealer for PC Card options available that you can purchase for your computer.

PC Card slot

The type II CardBus PC Card slot found on the left panel of the computer accepts credit-card-sized cards that enhance the usability and expandability of the computer.

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

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

Inserting a card

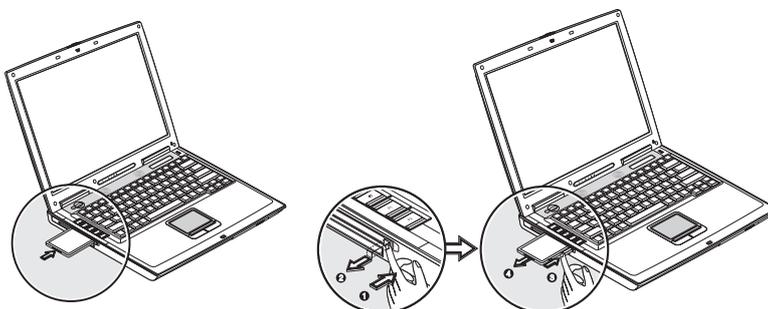
Insert the card into the slot and make the proper connections (e.g., network cable), if necessary. See your card manual for details.

Ejecting a card

Before ejecting a PC Card:

- Exit the application using the card.
- Left-click on the Safely Remove Hardware icon on the taskbar and stop the card operation.

Press the slot eject button once (1) to pop it out (2); then press it again (3) to eject the PC Card (4).



ExpressCard

The computer has a built-in ExpressCard slot that can accommodate one ExpressCard/34 or one ExpressCard/54 module. Please consult your dealer for ExpressCard options available that you can purchase for your computer.

ExpressCard slot

The ExpressCard slot found on the left panel of the computer accepts credit-card-sized cards that enhance the usability and expandability of the computer.

ExpressCard standard was developed by a large number of PCMCIA member companies including technology leaders, system manufacturers, card manufacturers, and representatives from all other parts of the PC Card industry as the next generation of 'plug-in' I/O cards. The ExpressCard standard supports both the USB 2.0 and PCI Express interfaces.



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

Inserting a card

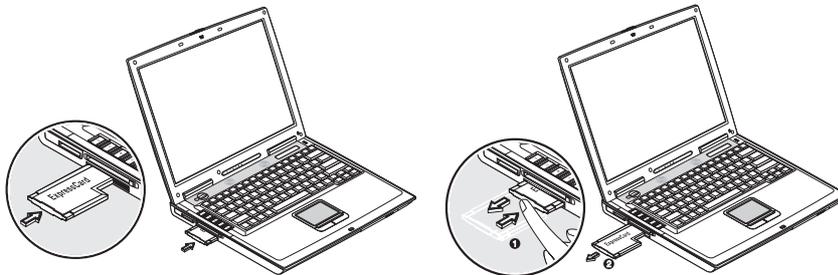
Insert the ExpressCard module into the slot and make the proper connections (e.g., network cable), if necessary. See your card manual for details.

Ejecting a card

Before ejecting a card:

- Exit the application using the card.
- Left-click on the Safely Remove Hardware icon on the taskbar and stop the card operation.

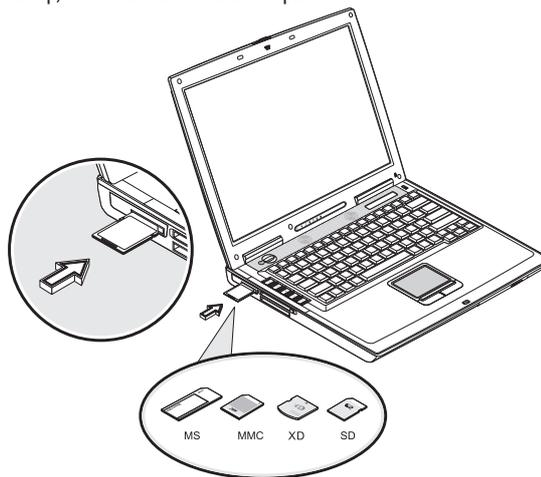
Press the ExpressCard module further into the ExpressCard slot to pop it out (1); then gently pull out the ExpressCard module (2) from the ExpressCard slot.



Multi-Media reader slot

Your computer comes with a Multi-Media reader slot. This slot is useful for transferring data to and from a Memory Stick, SD, xD-Picture Card or MultiMediaCard (MMC). Memory cards are used in a variety of digital devices such as digital cameras, digital camcorders and mobile phones.

Insert a card (label side up) into the slot until it clicks into place.



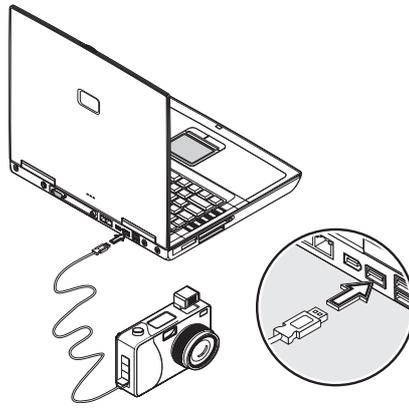
The card now appears on My Computer as a removable storage device that you can copy files to and from.

To remove the card from the slot, do as follows:

1. Make sure no operation (e.g., file copying or deletion) is using the card.
2. Press the card further into the slot to release the card (you hear a click); then pull out and remove the card.

USB devices

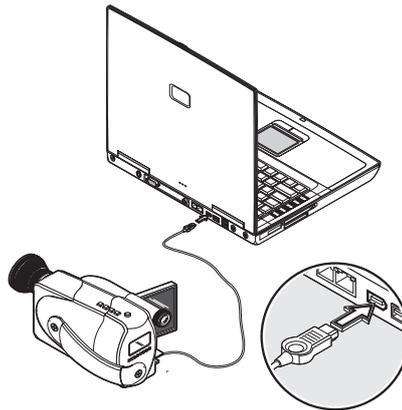
The computer has three USB (Universal Serial Bus) 2.0 ports on the rear of the computer, that allow you to connect peripherals without occupying too many resources. USB 2.0 is the second generation USB standard that allows faster transfer rates and is also backward-compatible with USB 1.1 devices. Common USB devices include a mouse, keyboard, and digital camera.



Before disconnecting a USB device from your computer, click on the Safely Remove Hardware icon on the taskbar and click on the device. When the device can be safely removed, disconnect the device from the computer. See your peripheral's documentation for details.

IEEE 1394 devices

The computer's fast IEEE 1394 (6-pin) port allows you to connect IEEE 1394 supported devices like a digital video camera or external storage devices.



Before disconnecting an IEEE 1394 device from your computer, click on the Safely Remove Hardware icon on the taskbar and click on the device. When the device can be safely removed, disconnect the device from the computer. See your peripheral's documentation for details.

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Miscellaneous options

Additional power packs

You can order an AC adapter and spare batteries.

Battery pack

It is a good practice to have a spare battery around, especially when you travel. The Li-ion battery, coupled with the power management features of your computer, supplies you with more power on-the-go.

AC adapter

The compact AC adapter charges your battery pack and supplies power to your computer. You can order a spare AC adapter so you do not need to carry it from the office to your home or destination.

Moving with your computer

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

Disconnecting from the desktop

Follow these steps to disconnect your computer from external accessories:

1. Save your work in progress.
2. Shut down the operating system.
3. Turn off the computer.
4. Disconnect the cord from the AC adapter.
5. Disconnect the keyboard, pointing device, printer, external monitor, and other external devices.
6. Disconnect the Kensington lock if you are using one to secure the computer.

Moving around

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

Preparing the computer

Before moving the computer, close and latch the display cover to place it in Standby mode. You can now safely take the computer anywhere you go within the building.

To bring the computer out of Standby mode, open the display and press the power button.

What to bring to short meetings

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

What to bring to long meetings

If your meeting will last longer than 3 hours or if your battery is not fully charged, you may want to bring the AC adapter with you to plug in your computer in the meeting room.

If the meeting room does not have an electrical outlet, reduce the drain on the battery by putting the computer in sleep mode. Press Fn-F2 or close the display cover whenever you are not actively using the computer. Then press the power button to resume (open the display if necessary)

Taking the computer home

when you are moving from your office to your home or vice versa

Preparing the computer

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

1. Remove all media from the drives. Failure to remove the media can damage the drive head.
2. Pack the computer in a protective case that can prevent the computer from sliding around and cushion it if it should fall.

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

What to bring with you

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

- AC adapter and power cord
- The printed user's manual

Special considerations

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

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

Setting up a home office

If you frequently work on your computer at home, it may be worthwhile to purchase a second AC adapter for use at home. With a second AC adapter, you can avoid transporting the extra weight to and from home.

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

Traveling with the computer

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

Preparing the computer

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

What to bring with you

Bring the following items with you:

- AC adapter
- Spare, fully charged battery packs
- Additional printer driver files if you plan to use another printer

Special considerations

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

- Always take the computer as carry-on luggage.
- If possible, have the computer inspected by hand. The computer can safely pass through security X-ray machines, but never expose the computer to a metal detector.
- Avoid exposing floppy disks to hand-held metal detectors.

Traveling internationally with the computer

when you are moving from country to country

Preparing the computer

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

What to bring with you

Bring the following items with you.

- AC adapter
- Power cords that are appropriate to the country to which you are traveling
- Spare, fully charged battery packs
- Additional printer driver files if you plan to use another printer

Special considerations

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

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



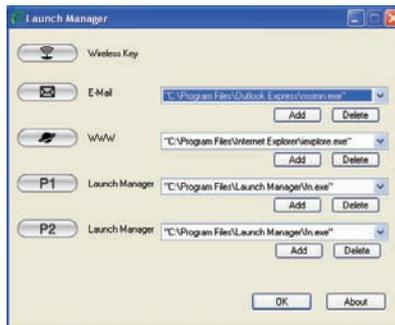
Software

This chapter discusses the important system utilities bundled with your computer.

Launch Manager

Launch Manager allows you to set the launch keys (excluding the wireless LAN button) located to the left of the keyboard.

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Note: Computer housing design might differ from the illustration.

You can access the Launch Manager by clicking on Start, All Programs, and then Launch Manager. Pressing on an unassigned launch key also brings up the Launch Manager.

Troubleshooting

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

Frequently-asked questions

This is a list of possible situations that may arise during the use of your computer, and it gives easy answers and solutions to these questions.

- I press the power switch, but the computer does not start or boot-up.

Look at the Power indicator:

- If it is not lit, no power is being applied to the computer. Check the following:
 - If you are running on battery power, it may be low and unable to power the computer. Connect the AC adapter to recharge the battery pack.
 - Make sure the AC adapter is plugged in properly to the computer and to the power outlet.
- If it is lit, check the following:
 - If the Standby indicator is lit, the computer is in Standby mode. Press the power button to resume.
 - Is a non-bootable (non-system) diskette in the floppy drive? Remove or replace it with a system diskette and press Ctrl-Alt-Del to restart the system.



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 the system. This will diagnose your system and make necessary fixes.

- 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, two things might be the cause:

- The brightness level might be too low. Press Fn-< and Fn-> to adjust the brightness level.
- The display device might be set to an external monitor. Press the display toggle hot key Fn-F3 to toggle the display back to the computer.

- Image is not full-screen.

Make sure 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. Then click on the Settings tab to make sure the resolution is set to the appropriate resolution. Resolutions lower than the specified resolution are not full-screen on the computer or on an external monitor.

- No audio from the 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 speakers may be turned off. Press Fn-F5 to turn the speakers on (this hotkey also turns the speakers off).
- The volume level may be too low. In Windows, look at the volume control icon on the taskbar. Click on the icon and adjust the level.

If headphones, earphones or external speakers are connected to the line-out port on the computer's rear panel, the internal speakers automatically turn off.

- The keyboard does not respond.

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

- The printer does not work.

Check the following:

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

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

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

1. Click on Start, Control Panel; then double-click on the Phone and Modem Options icon.
2. Begin setting up your location. Refer to the Windows manual.

- Why can't I charge my battery to 100% charged when it is 99-95% charged?

To preserve the life of the battery, the system only lets you charge the battery when its capacity falls below 95%. However, it is recommended that you bring an extra battery and let the battery in the system use up its power before charging it.

Specifications

Microprocessor

- For 1550: Intel® Pentium® M Processor 1.3~1.73 GHz (North Bridge: 915GM)
- For 1500: Intel® Celeron® M Processor 1.3~1.7 GHz (North Bridge: 910GML)

Memory

- Memory upgradeable to 1 GB with two soDIMM slots (915GM: 533 MHz DDR2; 910GML: 400 MHz DDR2)

Data storage

- One high-capacity, Enhanced-IDE hard disk
- DVD, DVD-CDRW Combo or DVD Dual drive
- One 4-in-1 card slot (Secure Digital (SD), Memory Stick (MS), xD-Picture Card (xD) or MultiMediaCard (MMC))
- External USB floppy drive - option

Display and video

- 15.0-inch TFT LCD displaying 32-bit color depth at 1024x768 XGA resolution
- Simultaneous LCD and CRT display
- Dual display support
- External display support up to 1024x768 (85Hz or higher) resolution

Audio

- Built-in speakers and microphone
- Sound Blaster Pro- and Windows Sound System-compatible
- Separate audio ports for line-in/microphone-in and line-out (S/PDIF) devices
- Digital audio output

Keyboard and pointing device

- 84-/85-/88-key Windows keyboard
- Touchpad pointing device
- Easy launch keys

I/O ports

- One type II/I CardBus PC Card slot
- One RJ-11 phone jack (V.92)
- One RJ-45 network jack (Ethernet 10/100)
- One DC-in jack
- One external VGA port (CRT)
- One ExpressCard slot (ExpressCard/34 or ExpressCard/54 module)
- One audio line-out jack (S/PDIF) (3.5mm mini-jack)
- One audio line-in jack (3.5mm mini-jack)
- One microphone jack
- Three USB 2.0 ports

- One IEEE 1394 port (6-pin)
- One S-video output port
- One 4-in-1 card slot (Secure Digital (SD), Memory Stick (MS), xD-Picture Card (xD) or MultiMediaCard (MMC))
- Built-in Bluetooth (option)
- 802.11b+g wireless LAN (option)

Weight and dimensions

- 2.77 kg (6.1 lbs) including battery pack
- 330 x 270 x 40.5 mm

Environment

Temperature

- Operating: 5°C ~ 35°C
- Non-operating: -10°C ~ 65°C

Humidity (non-condensing)

- Operating: 20% ~ 80% RH
- Non-operating: 20% ~ 80% RH

System

- Microsoft Windows XP operating system

Power

Battery pack

- 65-WattHour Li-Ion battery pack
- 1.5-hour rapid charge/2.5~4-hour charge-in-use

AC adapter

- 65-Watt
- Auto sensing 100~240Vac, 50~60Hz

Options

- 256/512 MB PC2-4200 (DDR2-533) soDIMM memory modules
- Additional AC adapter
- External USB floppy drive

Notices

This appendix lists the general notices of your computer.

Modem notice

TBR 21

This equipment has been approved to Council Division 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.

Important safety instructions

1. Read these instructions carefully. Save these instructions for future reference.
2. Follow all warnings and instructions marked on the product.
3. Unplug this product from the wall outlet before cleaning. Do not use liquid cleaners or aerosol cleaners. Use a damp cloth for cleaning.
4. Do not use this product near water.
5. Do not place this product on an unstable cart, stand, or table. The product may fall, causing serious damage to the product.
6. Slots and openings in the cabinet and the back or bottom 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.
7. 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.
8. Do not allow anything to rest on the power cord. Do not locate this product where persons will walk on the cord.
9. 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.
10. 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.
11. 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.
12. 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 cabinet has been damaged
 - f. If the product exhibits a distinct change in performance, indicating a need for service.
13. Replace the battery with the same type as the product's battery we recommend. Use of another battery may present

a risk of fire or explosion. Refer battery replacement to a qualified serviceman.

14. 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.

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).

Battery statement

CAUTION

Danger of explosion if battery is incorrectly replaced. Replace only with the same or equivalent type recommended by the manufacturer. Discard used batteries according to the manufacturer's instructions.

FCC Rules

This device complies with Part 15/68 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.



WEEE Logo Description

Disposal of Old Electrical & Electronic Equipment (Applicable in the European Union and other European countries with separate collection systems)

This symbol on the product or on its packaging indicates that this product shall not be treated as household waste. Instead it shall be handed over to the applicable collection point for the recycling of electrical and electronic equipment. By ensuring this product is consequences for the environment and human health, which could otherwise be caused

by inappropriate waste handling of this product. The recycling of materials will help to conserve natural resources. For more details information about recycling of this product, please contact your local city office, your household waste disposal service or the shop where you purchased the product.