ACY 25

USER'S MANUAL

Safety Instructions

Use the following safety guidelines to help protect yourself and your computer.

When Using Your Computer

CAUTION: Do not operate your portable computer for an extended period of time with the base resting directly on your body. With extended operation, heat can potentially build up in the base.

Allowing sustained contact with the skin could cause discomfort or, eventually, a burn.

- Do not attempt to service the computer yourself. Always follow installation instructions closely.

- Do not carry a battery in your pocket, purse, or other container where metal objects (such as car keys) could short-circuit the battery terminals. The resulting excessive current flow can cause extremely high temperatures and may result in damage from burns.

- Be sure that nothing rests on your AC adapter's power cable and that the cable is not located where it can be tripped over or stepped on.

- Place the AC adapter in a ventilated area, such as a desk top or on the floor, when you use it to run the computer or to charge the battery. Do not cover the AC adapter with papers or other items that will reduce cooling; also, do not use the AC adapter while it is inside a carrying case.

- Do not push objects into air vents or openings of your computer. Doing so can cause fire or electric shock by shorting out interior components.

- Use only the AC adapter and batteries that are approved for use with this computer. Use of another type of battery or AC adapter may risk fire or explosion.

- Danger of explosion if battery is incorrectly replaced.

- Replace only with the same or equivalent type battery recommended by by the manufacturer.

- Dispose of used batteries according to the manufacturer's instructions.

- Before you connect the computer to a power source, ensure that the voltage rating of the AC adapter matches that of the available power source.

  - 115 V/60 Hz in most of North and South America and some Far Eastern   countries such as South Korea and Taiwan.

  - 100 V/50 Hz in eastern Japan and 100 V/60Hz in western Japan.

  - 230 V/50 Hz in most of Europe, the Middle East, and the Far East.

- If you use an extension cable with your AC adapter, ensure that the total ampere rating of the products plugged in to the extension cable does not exceed the ampere rating of the extension cable.

- To remove power from the computer, turn it off, remove the battery, and and disconnect the AC adapter from the electrical outlet.

- To help avoid the potential hazard of electric shock, do not connect or disconnect any cables or perform maintenance or reconfiguration of this this product during an electrical storm.

- Do not dispose of batteries in a fire. They may explode. Check with local authorities for disposal instructions.

- When setting up the computer for work, place it on a level surface.

- When traveling, do not check the computer as baggage. You can put your computer through an X-ray security machine, but never put your computer through a metal detector. If you have the computer checked by hand, be sure to have a charged battery available in case you are asked to turn on the computer.

- When traveling with the hard drive removed from the computer, wrap the drive in a non-conducting material, such as cloth or paper. If you have the drive checked by hand, be ready to install the drive in the computer. Your can put the hard drive through an X-ray security machine, but never put the drive through a metal detector.

- When traveling, do not place the computer in overhead storage compartments where it could slide around. Do not drop your computer or subject it to other mechanical shocks.

- Protect your computer, battery, and hard drive from environmental hazards such as dirt, dust, food, liquids, temperature extremes, and overexposure to sunlight.

- When you move your computer between environments with very different temperature and/or humidity ranges, condensation may form on or within the computer. To avoid damaging the computer, allow sufficient time for the moisture to evaporate before using the computer.

➔ **NOTICE: When taking the computer from low-temperature conditions into a warmer environment or from high-temperature conditions into a cooler environment, allow the computer to acclimate to room temperature before turning on power.**

- When you disconnect a cable, pull on its connector or on its strain relief relief loop, not on the cable itself. As you pull out the connector, keep it evenly aligned to avoid bending any connector pins. Also, before you connect a cable make sure both connectors are correctly oriented and aligned.

- Before you clean your computer, turn if off, unplug it from its power source, and remove the battery.

- Handle components with care. Hold a component such as a memory module by its edges, not its pins.

⚠ **CAUTION: When using your telephone equipment, basic safety precautions should always be followed to reduce the risk of fire, electric shock and injury to persons, including the following:**

- Do not use this product near water, for example, near a bathtub, washing bowl, kitchen sink or laundry tub, in a wet basement or near a swimming pool.

- Avoid using a telephone (other than a cordless type) during an electrical

electrical storm. There may be a remote risk of electric shock from lightning.

* Do not use the telephone to report a gas leak in the vicinity of the leak.

* Use only the power cord indicated in this manual.

Appendix: Regulatory Notices

The FCC wants you to know

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.

Any changes or modifications made to this equipment may void the user's authority to operate this equipment.

This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, 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 equipment and receiver.

- Connect the equipment into an outlet on a circuit different from that that to which the receiver is connected.

- Consult the dealer or an experienced radio/TV technician for help.

- All external cables connecting to this basic unit must be shielded. For cables connecting to PCMCIA cards, see the option manual or installation instructions.

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Federal Communications Commission (FCC) PART 68 Warning

This equipment complies with Part 68 of the FCC Rules. On the bottom of the computer is a label that contains, among other information, the FCC Registration Number and Ringer Equivalence Number (REN) for this equipment. You must, upon request, provide this information to your your telephone company.

FCC Part 68 Registration Number: 6CTTAI - 25876 - FB - E

top

REN: 0.8B

The REN is useful to determine the quantity of devices you may connect connect to your telephone and still have all of those devices ring when your number is called. In most, but not all areas, the sum of the REN's of all devices should not exceed five (5.0). To be certain of the number of devices you may connect to your line, as determined by the REN, you you should call your local telephone company to determine the maximum REN for your calling area.

If your MODEM causes harm to the telephone network, the local Telephone Company may discontinue your service temporarily. If possible, they will notify you in advance.

However, if advanced notice isn't practical, you will be notified as soon as possible. You will be informed of your right to file a complaint with the the FCC.

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

top

CE Notice (European Union)

Marking by the symbol $C\epsilon$ indicates compliance of this Compal computer to the EMC Directive and the Low Voltage Directive of the European Union. Such marking indicates that this Compal system meets the following technical standards:

- EN 55022 - "Limits and Methods of Measurement of Radio Interference Characteristics of Information Technology Equipment."

- EN 55024 - "Information technology equipment - Immunity characteristics - Limits and methods of measurement."

- EN 61000-3-2 - "Electromagnetic compatibility (EMC) - Part 3: Limits - Section 2: Limits for harmonic current emissions (Equipment input current up to and including 16 A per phase)."

- EN 61000-3-3 - "Electromagnetic compatibility (EMC) - Part 3: Limits - Section 3: Limitation of voltage fluctuations and flicker in low-voltage supply systems for equipment with rated current up to and including 16 A."

- EN 60950 - "Safety of Information Technology Equipment."

NOTE: EN 55022 emissions requirements provide for two classifications:

- Class A is for typical commercial areas.

- Class B is for typical domestic areas.

To determine which classification applies to your computer, examine the FCC registration label located on the back panel of the computer. If the label indicates a Class A rating, the following warning applies to your computer:

RF INTERFERENCE WARNING: This is a Class A product. In a domestic environment this product may cause radio frequency (RF) interference, in which case the user may be required to take adequate measures.

This Compal device is classified for use in a typical Class B domestic environment.

A "Declaration of Conformity" in accordance with the preceding directives and standards has been made and is on file at Compal Computer Corporation.

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CCIB Notice (China Only)

On Class A systems, the following warning will appear near the regulatory label:

Warning: This is a Class A product. In a domestic environment this this product may cause radio interference, in which case the user may be required to take adequate measures.

声明

此为 A 级产品，在生活环境中，该产品可能会造成无线电干扰 在这种情况下，可能需要用户对其干扰采取切实可行的措施

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BSMI Notice (Taiwan Only)

Most Compal computer products are classified by the Bureau of Standards, Meteorology and Inspection (BSMI) as Class B information technology equipment (ITE).

R 31199

This Compal device is classified for use in a typical Class B domestic environment.

top

Canadian Doc Notice

This digital apparatus does not exceed the Class B limits for radio noise noise emissions from digital apparatus as set out in the Radio Interference Regulation of the Canadian Department of Communications.

"Le présent appareil numérique n'èmet pas de bruits radioélectriques dépassant les limites applicables aux appareils numériques de la class B prescrites dans le Règlement sur le brouillage radioélectrique édicté par le ministère des Communications du Canada"

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About this user's manual

This user's manual is designed to let you easily find the information you you need to get the most from your notebook.

Chapter 1 introduces you to the features of your computer.

Chapter 2 gives you useful details on using your computer.

Chapters 3 and 5 give information on expanding your computer's capabilities with an additional memory module, printer or PC Cards, and and let you know how best to look after your computer.

Chapter 4 tells you how to look after your notebook computer, whether at home or traveling.

Chapter 6 goes into more detail about power management and explains explains how to conserve power while on the move.

Chapter 7 gives tips on solving typical problems you may run up against.

There is no need to read the manual from the beginning to end. Simply find your way to the section that interests you using the index, or browse through the manual.

You will come across the following icons in the manual:

Helpful pointers and tricks to get more from your notebook

To help you note and avoid possible damage to your notebook's hardware or software, or loss of your work

Points out possible damage to property, personal injury or death

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Other trademarks and trade names may be used in this document to refer to either the entities claiming the marks and names or their products.

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| 捷徑文字	Internet 網址
The FCC wants you to know	file:///C:/WINDOWS/TEMP/A-1.html
Federal Communications Commission (FCC) PART 68 Warning	file:///C:/WINDOWS/TEMP/A-2.html
REN: 0.8B	file:///C:/WINDOWS/TEMP/A-3.html
CE Notice (European Union)	file:///C:/WINDOWS/TEMP/A-4.html
CCIB Notice (China Only)	file:///C:/WINDOWS/TEMP/A-5.html
BSMI Notice (Taiwan Only)	file:///C:/WINDOWS/TEMP/A-6.html
Canadian Doc Notice	file:///C:/WINDOWS/TEMP/A-7.html
About this user's manual	file:///C:/WINDOWS/TEMP/A-8.html
top	file:///C:/WINDOWS/TEMP/Appendix.html

Introducing Your Notebook

Front
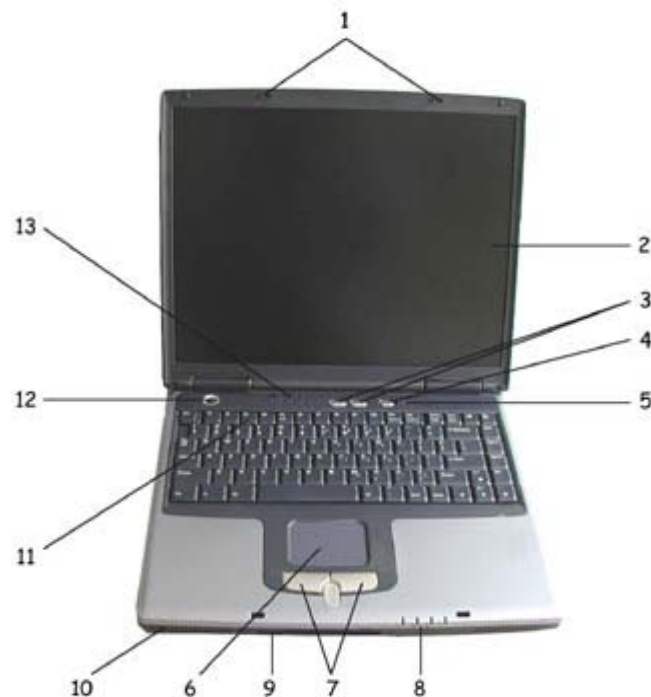
1.	Case Latch	8.	Device Status Lights
2.	Display	9.	Floppy Disk Drive
3.	Easy Buttons	10.	Speaker
4.	Wireless Communication Switch	11.	Keyboard
5.	Built-in Microphone	12.	Power Button
6.	Touch Pad	13.	Keyboard Status Lights
7.	Touch Pad Buttons		

[Case Latch](#)

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[Device Status Lights](#)

[Floppy Disk Drive](#)

[Speaker](#)

[Keyboard](#)

[Power Button](#)

[Keyboard Status Lights](#)

[Top](#)

Case Latch

Secures the display case to your notebook. To open the display, slide the case latch to the right and lift the display. When you close the display the case latch will secure it automatically.

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Display

Your display is either a 14.1" COLOR TFT/XGA, 15.0" TFT/XGA or 15.0" COLOR TFT/SXGA+ LCD. To find out more about the display's functions, see the Display section in Chapter 2.

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Easy Buttons

These buttons launch your favorite programs.

⊠ ↗   Launches Outlook Express (or your default email program).

⊕ ↗   Launches your default Internet browser.

[Top](#)

Wireless Communication Switch

Turns the wireless communication function on or off. The wireless communication LED 📶 on the front panel lights when the function is activated.

Top

Built-in Microphone

Your computer's built-in microphone is ideal for home recording or Internet telephony.

Top

Touch Pad

The Touch Pad works like a desktop mouse. For more information see Keyboard and Touch Pad in Chapter 2.

Top

Touch Pad Buttons

The left and right Touch Pad buttons work like the left/right buttons on a standard mouse. The central button is a scroll up/down button that makes navigating through text more convenient.

Top

Device Status Lights

Indicates power on; flashing indicates standby mode.

Indicates notebook reading or writing data.

Indicates battery status. For details, see Battery.

Indicates wireless communication status.

To avoid losing your data, never turn your notebook off if this indicator is flashing.

Top

Floppy Disk Drive

The FDD provides a means for you to import/export data and small files into/from your computer.

Top

Speaker

To adjust the system speaker volume, look under the Sounds and Audio Audio Devices Properties of the Control Panel. See Chapter 2 for more

details. Many software programs, such as multimedia applications, also include their own volume controls.

Top

Keyboard

The keyboard includes a numeric keypad and the Microsoft® Windows® logo key.

See Keyboard and Touch Pad in Chapter 2 for more on using keyboard shortcuts.

Top

Power Button

Press to turn your notebook on. For more on power settings see Power Management.

Always turn off your notebook by clicking on the Turn Off Computer icon icon on the Windows Start men to avoid losing data.

Top

Keyboard Status Lights

Indicates uppercase letter function enabled

Indicates numeric keypad enabled

Indicates scroll lock function enabled

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Right Side

1. Audio Port

2. PC Card Slot

3. Modem Jack

4. Network Jack

5. PS/2 Jack

   Audio Port

   PC Card Slot

   Network Jack

   Modem Jack

   PS/2 Jack

   Top

Audio Port

You can connect a headphone or an external speaker to the ⌒ port and and a microphone to the 🎤 port. The built-in speakers are disabled when a device is connected to the ⌒ port.

Top

PC Card Slot

Supports two type II PC Cards or one type III card. For more information, see PC Cards in Chapter 5.

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Network Jack

The RJ-45 network jack allows you to connect your computer to a local area network (LAN).

Be careful not to plug the telephone line into the slightly larger network connector.

Top

Modem Jack

The modem jack allows you to connect your notebook to a telephone line with a standard RJ-11 connector.

Never connect the modem jack to a digital line. The high current of a digital line could damage the modem.

Top

PS/2 Jack

The PS/2 jack allows you to connect PS/2-compatible devices, such as a mouse or keyboard.

PS/2-compatible devices are "hot swappable", meaning you can install or remove them while your notebook is running. If the device does not run, ensure that the correct device drivers are installed, from the floppy disk or CD that came with the device. Then restart your notebook.

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Left Side

1. CD-ROM / CD-RW / DVD-ROM Drive/Combo

   CD-ROM / CD-RW / DVD-ROM Drive

   Top

CD-ROM / CD-RW / DVD-ROM Drive

Your notebook supports CD-ROM, CD-RW, DVD-ROM and DVD/CD-RW combo modules. For details on your notebook's specifications, check with your computer dealer. For more information on using the drive, see Playing CDs and Movies in Chapter 2.

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Back

1. Air Vents	6. RS-232 DB9 Connector
2. Security Cable Connector	7. TV-out Port
3. AC Power Connector	8. IEEE 1394 Port
4. External Monitor Port	9. USB Ports x 3
5. Parallel Port	

Air Vents

Security Cable Connector

AC Adapter Connector

External Monitor Port

Parallel Port

RS-232 DB9 Connector

TV-out Port

IEEE 1394 Port

USB Connectors

Top

Air Vents

An internal fan creates airflow through the vents, preventing your notebook from overheating.

When it gets hot, your notebook will switch on the fans, which may make some noise. This is normal, and does not mean there is a problem.

Never block, push objects into, or allow dust to gather in the air vents. Doing so may damage your notebook or cause a fire.

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Security Cable Connector

To protect your notebook from theft, you can purchase an antitheft device. Instructions for use are included with such devices.

Before purchasing any antitheft device, check that it will work with your notebook's security cable connector.

Top

AC Adapter Connector

Use this connector to attach the AC adapter to your notebook. You can connect an AC adapter when your notebook is switched on or off.

While the AC adapter works with electrical outlets worldwide, power connectors and power strips vary from country to country. Ensure you use compatible cable or correctly connect the cable to the power strip or or electrical outlet. Failure to do so may cause fire or damage to equipment.

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External Monitor Port

Use this port to connect an external monitor to your computer. See Display, Chapter 2.

Top

Parallel Port

Use this port to connect parallel devices, such as a printer.

To protect your notebook, wait 5 seconds after turning it off before disconnecting any external device.

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RS-232 DB9 Connector

IOIOI This male, nine-pin RS-232 connector allows connection of serial devices.

Top

TV-out Port

Use this port to connect a television set. See Display, Chapter 2, for details.

Top

IEEE 1394 Port

The IEEE 1394 port allows you to connect devices that utilize IEEE 1394 technology to your computer. This technology is widely used in consumer products such as digital cameras.

Top

USB Connectors

Use these ports to connect up to three USB devices, such as a mouse, full-size external keyboard, or printer.

USB is a peripheral expansion standard that supports a data-transfer rate of up to 12 Mbps. USB peripherals have a single standard for cables and connectors. You can install and remove USB devices while the computer is on. This is known as "hot swapping".

Top

Bottom

1. Battery Release Latch

2. Battery Latch Lock

3. Battery Pack

4.   HDD Cover

5.   Memory Module Cover

6.   CPU Cover

Battery Release Latch

Battery Latch Lock

Battery Pack

HDD Cover

Memory Module Cover

CPU Cover

Top

Battery Release Latch

The battery release latch secures the battery pack. To release, simply slide the latch across. The battery pack will pop up.

Top

Battery Latch Lock

The battery latch lock prevents the latch being released accidentally. To To release the lock, press down.

Top

Battery Pack

With a charged battery pack installed, you can use your notebook without connecting it to an electrical outlet. For more details, see Battery, Chapter 6.

Top

HDD Cover

The HDD Cover should only be removed if you need to repair or replace replace the installed HDD unit.

Top

Memory Module Cover

The memory module(s) is (are) housed beneath the memory module cover. For more information on replacing memory modules, see Expanding Memory, Chapter 3.

Top

CPU Cover

The CPU Cover should only be removed if you need to repair or replace replace the installed CPU unit.

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Operating Your Notebook

Turning Your Notebook On and Off

Turning Your Notebook On

Ensure the diskette drive is empty before turning your notebook on.

Press the power button ⏻ to turn on your notebook.

Do not turn off the computer until the operating system has loaded completely. Turning the computer off during its initial startup will result in an error the next time you start your notebook.

*Always turn your notebook off by performing a Windows shutdown (click (click **Start -> Turn Off Computer -> Turn Off**) rather than by pressing the power button. Failure to do so may result in data loss.*

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Turning Your Notebook Off

If your notebook is using Microsoft Windows XP Professional operating system, there are security and networking features not available in Windows XP Home Edition. You will see different options in some

windows, related to security and networking.

Save and close any open files, exit any open programs. Click **Start -> Turn Off Computer -> Turn Off**.

Your notebook will automatically turn off after the shutdown process is finished.

Top

Logging Off

With Microsoft Windows XP, multiple users can access a single computer with their own, personal settings. Using their own password, each user logs on to the computer, meaning other users cannot access their settings or files. To log off:

1.   Save and close any open files, exit any open programs, click **Start -> Log Off -> Log Off**.

2.   To switch users, click **Start -> Log Off ->Switch User**.

     Using **Fast User Switching**, programs that previous users were running remain running in the background. This means a possible slower computer response. It may also stop multimedia programs, including games and DVD software, from running.

     Fast User Switching does not work if your notebook is running Windows XP Professional and is a member of a computer domain or if the notebook has less than 128 MB of memory.

     Top

Adding User Accounts

Different account options are available when a computer is running the Windows XP Professional operating system and is connected to a domain.

With Windows XP installed, the system administrator or a user with administrator rights can create additional user accounts:

1.   Click **Start -> Control Panel -> User Accounts**.

2.   Under **Pick a task**, click **Create a new account**.

3.   Under **Name the new account**, enter the name of the new user. Click **Next**.

4.   Under **Pick an account type**, choose one of the following options:

     *   **Computer administrator**: Can change all computer settings.

     *   **Standard (Windows XP Professional only)**: Can install some programs and hardware.

     *   **Limited**: Can only change your own personal settings, such as your password. You are not able to install programs or use the Internet.

5.   Click **Create Account**.

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Standby Mode

To find out how to conserve power using the Standby Mode, see Power Management, Chapter 6.

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Tips For Using Windows

[Microsoft Windows XP Help](#)

[Windows Desktop](#)

[Desktop Cleanup Wizard](#)

[Start Button](#)

[Taskbar](#)

[Notification Area (System Tray)](#)

[Recycle Bin](#)

[Control Panel](#)

[My Computer](#)

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Microsoft Windows XP Help

For Microsoft Windows XP help, right click **Start -> Explore**.

In Windows Explorer, click the search icon then opt to search for **Information in Help and Support Center**. In the **Help and Support Center** you can search for specific information or click on the Home icon to view the **Help and Support Center** home page.
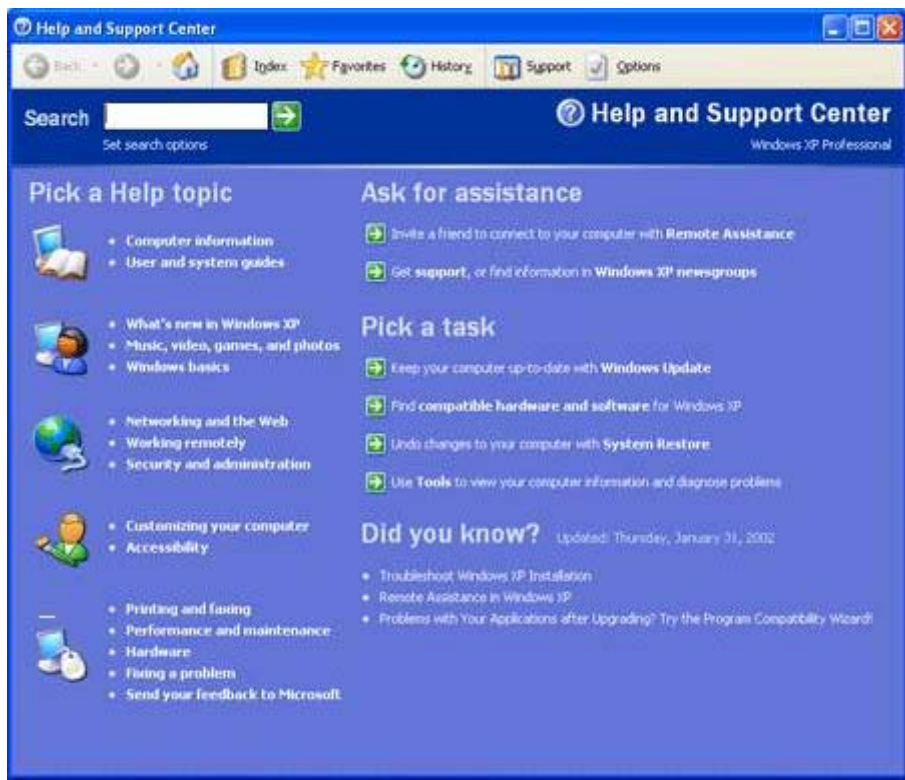
Top

Windows Desktop

Depending on your notebook setup and software, your desktop may have different or additional shortcuts. See Personalizing Your Desktop, Section 2.4, for more information.

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Desktop Cleanup Wizard

The Desktop Cleanup Wizard moves programs not frequently used to a folder 7 days after you first start your notebook and every 60 days after that. The Start menu's appearance changes as programs are moved. To To turn off the Desktop Cleanup Wizard:

Right-click an empty spot on your desktop -> **Properties -> Desktop -> Customize Desktop** -> click **Run Desktop Cleanup Wizard every 60 days** to remove the check mark -> **OK**.

The Desktop Cleanup Wizard can be run any time by simply clicking **Clean Desktop Now** under **Run Desktop Cleanup Wizard every 60 days**.

Top

Start Button

The **Start** button allows easy access to your notebook's programs.

The **Start** menu is designed to change, to show the programs you use most frequently. To always keep an item on the **Start** menu, no matter how often it's used, right-click the item and click **Pin to Start menu**.

Log Off allows the current user to log off so a new user can log on to the notebook using their personal settings.

Turn Off Computer provides options for turning off, restarting, and placing your notebook in power saving modes. If your notebook is running Windows XP Professional and is connected to a domain, different options appear in the **Shut Down** window.

Top

Taskbar

The **Start** button is on the left and the notification area on the right. Each time you open a program, a button for that program appears on the taskbar. To move between programs, simply click on the relevant button. Windows XP will group multiple instances of the same program on a single taskbar button if more space is needed. Toolbars can be added to or removed from the taskbar:

Right-click an empty spot on the taskbar, and select **Toolbars** -> **choose the toolbar you want to add**.

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Notification Area (System Tray)

The icons in this area allow quick access to programs and computer functions, including the clock and printer status. Windows XP hides icons that are not used frequently. To see hidden icons, click to see hidden icons. To prevent Windows XP from hiding icons:

Right-click an empty spot on the **Taskbar** -> **Properties** -> ensure that **Hide inactive icons** is not checked.
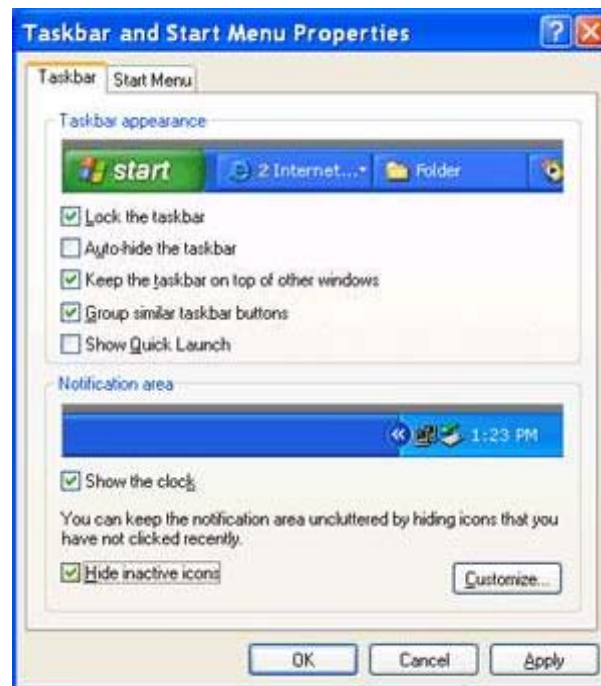
Top

Recycle Bin

When you delete a file, it is moved to the **Recycle Bin**. Files can be restored from the **Recycle Bin**.

By emptying the **Recycle Bin**, files are permanently deleted.

Top

Control Panel

In the **Control Panel** you can change how Windows looks and works.

Click the **Start** button and click **Control Panel**.

There are two interfaces - you can choose either **Classic View** or **Category View**. You can switch interfaces in the upper left hand window of the **Control Panel** window.

Under **Pick a Category**, choose the category of the task you wish to complete, click, then choose the task in the next window.

Top

My Computer

My Computer allows you to see the contents of your notebook's drives. drives. The **My Computer** icon appears on your Desktop. To see the contents of a drive or folder, click on the **My Computer** icon then double-click the icon for the drive or folder you want to view (for example, drive C).

*You can also use **Windows Explorer** to see the contents of your notebook and find files. To open **Windows Explorer**, right-click the **Start** button and click **Explore**. Find the drive or folder that you want to view. To find out more about **My Computer** and **Windows Explorer**, see the **Help and Support Center**.*

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Keyboard and Touch Pad

Numeric Keypad

Keyboard Shortcuts

Windows Logo Key Functions

Easy Buttons

Touch Pad

Customizing the Touch Pad

Using an External Mouse

Top

Numeric Keypad

Keypad numbers and symbols are marked in green on the right of the keypad keys.

To enable the numeric keypad, press [Fn] [F11 Num Lk] .

The 🔒 indicator will light when the numeric lock is on.

To disable the numeric keypad, press [Fn] [F11 Num Lk] again.

To use the primary function of a dual-function key when the numeric keypad is enabled, press [Fn] and the desired key.

When Num Lock and Scroll lock are disabled, you can move the cursor using the [Fn] key with the u, o, 8, and k keys.

Top

Keyboard Shortcuts

[Fn] [F5] Switches Display Mode (LCD->CRT->Simultaneous). Switches the video image to the next display in the following sequence: the integrated display, an external monitor, and both displays simultaneously

[Fn] [F11 Num Lk] Number Lock

[Fn] [F12 Scroll Lk] Scroll Lock

[Fn] [▲] Brightness Up

[Fn] [▼] Brightness Down

When using an external PS/2 keyboard, the Fn key can be simulated by using the left-Ctrl + left-Alt keys. USB keyboards do do not support this function.

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Windows Logo Key Functions

[⊞] [E] opens Windows Explorer

	opens the Run dialog box
	opens the Search Results dialog box
	opens the Search Results - Computers dialog box (when your notebook is connected to a network)
	opens the System Properties dialog box

To adjust keyboard operation, including character repeat rate, in the **Control Panel** click **Printers and Other Hardware -> Keyboard**.

The Application key (to the right of the Windows key) works in the same way as the right button on the touch pad or a mouse.

Top

Easy Buttons

The Easy Buttons are designed to give you fast access to the mail and Internet browser program.

The key launches your default email program.

The key launches your default Internet browser.

StickyKeys

The StickyKeys function lets you use the SHIFT, CTRL, ALT, FN keys or the Windows logo key (referred to as modifier keys) in conjunction with other keys by pressing one key at a time instead of simultaneously. simultaneously.

To activate StickyKeys mode, press the Shift key five times and then click OK.

Alternatively, you can click on **Start -> Control Panel -> Accessibility Options** and check **Use StickyKeys** before clicking **OK**.

To further customize **StickyKeys**, click on **Settings** in either of the above dialogue boxes. The following dialogue box will appear.
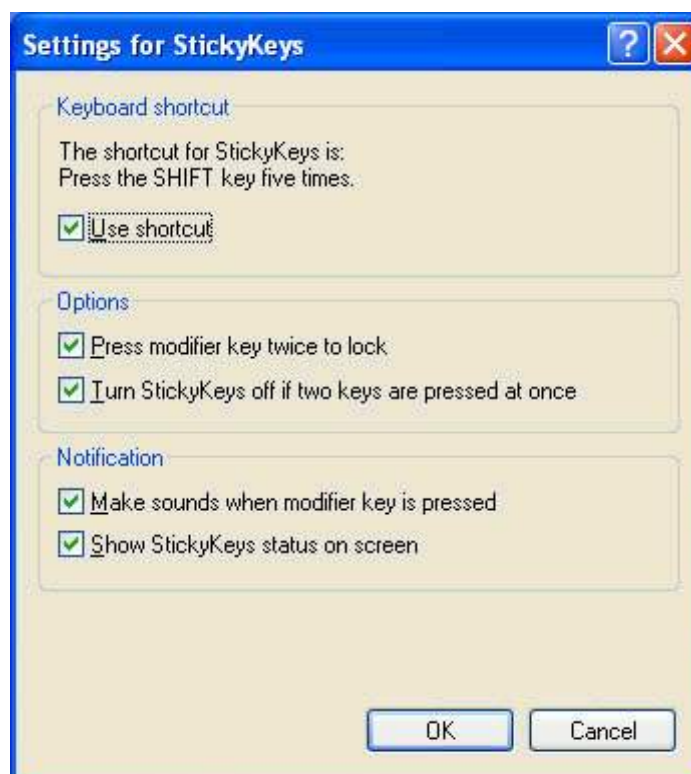
Click **Use shortcut** to enable the listed shortcut to activate StickyKeys mode.

By checking **Press modifier key twice to lock**, pressing the **SHIFT**, **CTRL**, **ALT**, **FN** or the Windows logo key twice will 'lock' the key until it is pressed again. This allows you to perform multiple commands with these keys in succession without having to press the modifier key again each time.

Check **Turn StickyKeys off if two keys are pressed at once** to have StickyKeys automatically disable whenever any two keys are pressed simultaneously.

If **Make sounds when modifier key is pressed** is checked, a tone will be heard each time a modifier key is pressed. Different tones are heard when activating and deactivating modifier keys.

Check **Show StickyKeys status on screen** to display the StickyKeys icon in your toolbar whenever the StickyKeys mode is activated. The icon will change to indicate which modifier key, if any, is currently active.

Click on **OK** to confirm your changes, or **Cancel** to exit the dialogue box box without making any changes.

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Touch Pad

The touch pad responds to the movements and pressure of your finger, finger, allowing you to move the cursor around the screen, in the same way you would with a mouse.

Place your fingers on the keyboard in the normal typing position.

You can use the touch pad by moving either your right or left thumb off the space bar and on to the touch pad.

Gently move your thumb across the touch pad in the direction you want want the cursor to move. The pad detects the change in pressure and moves the cursor in the corresponding direction.

The touch pad buttons have essentially the same function as mouse buttons. Clicking these buttons makes selections, drags objects, or performs a variety of other functions depending on the software. To select an object, first move the pointer over the object you want to select, and then press the left button one time and release it. The functionality of these buttons depends on your software.

Double-clicking is a common technique for selecting objects or launching programs. Move the pointer over the object you wish to select select then quickly press the left button twice.

You may also select object or execute applications from icons by double-tapping. This is similar to double-clicking, but instead of pressing pressing the touch pad buttons, you tap the touch pad itself.

The central mouse button allows you to scroll easily through windows. Press the upper part of the button to move your cursor upwards, press the lower part of the button to move the cursor down the window.

Be patient, it may take a little practice to master the touch pad.

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Customizing the Touch Pad

To adjust touch pad settings, use the Mouse Properties window, which you can open by clicking **Control Panel**—>**Printers and Other Hardware**—>**Mouse**.

Select the desired settings and click **Apply**.

Click **OK** to save the settings and close the window.

Top

Using an External Mouse

You can connect a mouse or trackball as an option to using your notebook's touch pad. Your notebook supports PS/2-compatible pointing devices.

When a mouse or trackball is connected, you can still use your notebook's touch pad.

1. Attach the PS/2 mouse cable to the PS/2 port. If the mouse is not responding, you may need to adjust your BIOS settings. For BIOS set up information, refer to the BIOS help field by pressing F2 while your notebook is booting up.

2. For additional steps, refer to your mouse documentation.

To connect more than one PS2 device at a time, such as a keyboard and mouse, you will need to purchase a Y-cable.

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Personalizing Your Desktop

Choosing Wallpaper

Choosing a Screen Saver

Choosing a Desktop Theme

Creating a Shortcut on the Desktop

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Choosing Wallpaper

To make your notebook reflect your style, you can set background

colors and patterns, the wallpaper, on the desktop.

Control Panel -> Appearance and Themes -> Pick a task -> Change the desktop background.

The **Display Properties** window offers a choice of wallpapers. Choose the name of the wallpaper you want to display, or click (None) if you prefer not to use a wallpaper image.

You can also choose your own images by choosing Browse, and

Top

Choosing a Screen Saver

Control Panel -> Appearance and Themes -> Pick a task -> Choose a screen saver.

Select a screen saver from the **Screen Saver pull-down menu**, or click click (None) if you prefer not to activate a screen saver.

You can customize your screen saver by choosing **Settings**. To check your selections, choose **Preview**.

To accept the settings, click **OK** and close the **Display Properties** window.

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Choosing a Desktop Theme

Desktop themes changes the appearance of your desktop and add sound effects:

Control Panel -> Appearance and Themes -> Pick a task -> Change the computer's theme.

Select a theme from the Theme pull-down menu in the Display Properties Window, then click **OK**.

Top

Creating a Shortcut on the Desktop

A shortcut is an icon that is placed on the desktop let you quickly access access programs, files, folders, and drivers. To create a shortcut:

Open **My Computer** or **Windows Explorer**, and highlight the file or program you want to create a shortcut to.

Click and hold down the right touch pad button, drag the highlighted item to the Windows desktop, and then release the right touch pad button to display a pop-up menu.

Click **Create Shortcut(s) Here**.

An icon will appear on your desktop - double-click to activate the shortcut.

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Display

Adjusting Brightness

To conserve power when running your notebook from the battery, set the brightness to the lowest comfortable setting using the keyboard shortcuts.

Top

Using an External Monitor or Television

When you start your notebook with an external display device such as an external monitor or television attached and turned on, the image may may appear on either the display or the external device. Alternatively, you can

Press [Fn] [F5] to switch the video image to the display only, the

display and the external device simultaneously, or the external device only.

Top

Setting Display Resolution

To view a program at a specific resolution, both the video controller and display must support the program and the necessary video drivers must must be installed.

Before changing any of the original display settings, note the original settings for future reference.

Start -> Control Panel -> Pick a category -> Appearance and Themes.

Under **Pick a task...**, click the area you want to change, or under or **pick a Control Panel icon**, click **Display**.

You can try different settings for Color quality and Screen resolution.

If you choose a resolution or color palette that is higher than the display supports, the settings will automatically adjust to the closest possible setting.

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Networks

To access a network:

At the office, you can access a network via the built-in PCI LAN. For specific information about connecting to the LAN or WAN, consult your systems administrator.

If you are working from home or while traveling, you need a dial-up connection. Ask your system administrator for the telephone number of the network.

To set up the connection, go to **Start->Control Panel->Network and Internet Connections** (in Classic Interface, Network Connections). Enter the details for your connection and click **OK**.

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Managing Programs

Running Programs

Adding Software

Removing Software

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Running Programs

Programs are any software that process data - like a word processing program or an email program. They require an operating system - like Windows XP - to run on.

To run a program, click **Start -> Programs**.

Click the program you want to run.

On the right side of the title bar in the window of any open program, there are three icons:

minimizes the program. That is, it is removed from the screen, but is is still running. It will appear as a button on your bottom taskbar. To restore the program, simply click the button.

enlarges (maximizes) the window to fill your entire screen. When the window is maximized, the button switches to , which will reduce the size of the window when clicked.

closes the program or document.

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Adding Software

To check what software is already installed on your computer, click **Start -> All Programs**. If a program is listed in the **All Programs** menu menu or the **Start** menu, the software is already installed.

Before installing software, check the software's technical requirements to ensure that it is compatible with your notebook and that there is enough memory and hard drive space for installation and operation.

Temporarily disable your notebook's antivirus software before installing software. See the documentation that came with the antivirus software for detailed procedure.

Be sure to enable your antivirus software once you have installed any

new software.

Insert the software installation CD into the CD drive and follow the instructions that came with the software to help you respond to the prompts on the screen.

If the software installation CD does not automatically run, click **Start -> Run**. In the dialogue box, type x:\setup.exe (where x is the letter of your your CD drive [usually D or E]). Then click **OK** and follow the prompts on your screen.

Top

Removing Software

Once you've begun removing software, do not interrupt the process. To do so may result in data loss and corruption of your operating system.

Start -> Control Panel -> Add or Remove Programs -> Change or Remove Programs.

Select the program that you want to remove and click the **Change/Remove** button. Instructions for removing programs will appear on the screen.

Some programs may not be listed and cannot be removed via this window. In this case, check the documentation that came with the specific program.

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Managing Files

Updating Antivirus Software

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Copying a File to a Floppy Disk

Moving Files

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Emptying the Recycle Bin

Retrieving Files From the Recycle Bin

Top

Updating Antivirus Software

There are thousands of known viruses, and more appear all the time. Installing antivirus software is the only way to protect your data, software and hardware. Regular updates are necessary to ensure

protection.

~~Your computer dealer can advise you regarding purchasing antivirus~~

Before installing any software from unlicensed sources, scan for viruses. Regularly backup your data to safeguard against loss if your notebook is infected.

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Backing Up Files

Regularly backing up your files will protect you from losing data from accidental file deletion, viruses or hard drive failure. Programs can be reinstalled, but unless you have backed up your work, you will lose your your data files.

The most convenient way to back up your files is to a CD-RW drive, although for smaller files, you can use a floppy disk.

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Finding Files

Right click on **Start -> Search**.

In the search window, type either **All or part of the file name** or **A word or phrase in the file**.

Specify where you want the system to look by specifying a drive or folder in the **Look in** pull-down menu.

Windows will search the entire hard drive (or drive C partition) if the default setting of C: is unchanged.

Click **Search** to begin searching.

Files found that match your search criteria are listed in the **Search Results** window.

Top

Copying a File on the Hard Drive

From the **Desktop**, select **My Computer**.

Locate the file you want to copy, and click the file to select (highlight) it.

Under **File and Folder Tasks -> Copy this file**.

In the **Copy Items** window, select the location where you want to copy the file.

Click **Copy**.

Top

Copying a File to a Floppy Disk

Insert a floppy disk into the floppy drive.

From the **Desktop**, select **My Computer**.

Locate the file you want to copy, and click the file to select (highlight) it.

Under **File and Folder Tasks -> Copy this file -> Copy Items -> 3½ Floppy (A:)**.

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Moving Files

 Never move files that are part of an installed program. Doing so may make the program unusable.

From the **Desktop**, select **My Computer**.

Locate the file you want to move, and click the file to select (highlight) it.

Click **Move this file**.

In the **Move Items** window, click the location where you want to move the file.

Click **Move**.

Top

Renaming Files

Use **Windows Explorer** or **My Computer** to locate the file you want to rename, and click the file to select (highlight) it.

Click the **File** menu and click **Rename**.

 Never change a file's extension (the last three characters after the period). Doing so may render the file unusable.

Type the new filename and press **Enter**.

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Deleting Files

 Never delete files that are part of an installed program. Doing so may render the file unusable.

Use **Windows Explorer** or **My Computer** to locate the file you want to delete, and click the file to select (highlight) it.

Click the **File** menu and click **Delete**.

Click **Yes** to send the file to the **Recycle Bin**.

If you accidentally delete a file, see **Retrieving Files From the Recycle Bin**.

Top

Emptying the Recycle Bin

Files remain in the **Recycle Bin** and take up space on the hard drive until you empty them from the **Recycle Bin**.

⚠ *Files deleted from a floppy disk or from a network are permanently*

Double-click the **Recycle Bin** icon.

The **Recycle Bin** window appears and lists all deleted files, their previous locations, and the date you deleted them.

Click the **File** menu, and click **Empty Recycle Bin**.

When the confirmation dialog box appears, click **Yes** to delete all file (s).

All files disappear from the **Recycle Bin** and are removed from your notebook.

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Retrieving Files From the Recycle Bin

Deleted files are moved to the **Recycle Bin** and remain there until you empty the Recycle Bin. If you delete a file in error, you can retrieve it from the **Recycle Bin**:

Double-click the **Recycle Bin** icon .

The **Recycle Bin** window will appear, listing all deleted files, their previous locations, and the dates you deleted them.

Select the file you want to retrieve, click the **File** menu, and then click **Restore**.

The file disappears from the **Recycle Bin** and is moved to its original location.

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Playing CDs and Movies

Inserting Discs

Adjusting Volume

Adjusting Picture

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Inserting Discs

⚠ *Be careful not to press down on the drive tray when opening or closing it. When the drive is not in use, keep the tray closed.*

⚠ *Do not move the computer when playing CDs or DVDs.*

- Press the eject button on the front of the drive.

- Pull the tray out.

- With the label side up, place the disc in the center of the tray.

- Snap the disc onto the spindle.

- Gently push the tray back into the drive.

  If your notebook has a CD-RW/DVD or DVD, you can watch movies.

  For more information on playing CDs or watching movies, click **Help** on the CD player software or DVD player software.

  Top

Adjusting Volume

If you do not hear anything when playing a CD or DVD, check that the speakers are not muted.

Start -> All Programs -> Accessories -> Entertainment -> Volume Control.

In the Volume Control window, click and drag the bar in the Volume Control column and slide it up or down to increase or decrease the volume.

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Adjusting the Picture

If you receive an error message that the current resolution and color depth are using too much memory and preventing DVD playback, adjust adjust the display properties:

Start -> Control Panel -> Pick a category -> Appearance and Themes -> Pick a task... -> Change the screen resolution.

In the **Display Properties** window, click and drag the bar in **Screen resolution** to change the setting to 1024 x 768 pixels.

Click the pull-down menu under **Color quality -> Medium (16 bit) -> OK**.

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捷徑文字	Internet 網址
Turning Your Notebook On and Off	file:///C:/WINDOWS/TEMP/2-1.html
Tips For Using Windows	file:///C:/WINDOWS/TEMP/2-2.html
Keyboard and Touch Pad	file:///C:/WINDOWS/TEMP/2-3.html
Personalizing Your Desktop	file:///C:/WINDOWS/TEMP/2-4.html
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Playing CDs and Movies	file:///C:/WINDOWS/TEMP/2-9.html
Turning Your Notebook On	file:///C:/WINDOWS/TEMP/2-1-1.html
Turning Your Notebook Off	file:///C:/WINDOWS/TEMP/2-1-2.html
Logging Off	file:///C:/WINDOWS/TEMP/2-1-3.html
Adding User Accounts	file:///C:/WINDOWS/TEMP/2-1-4.html
Standby Mode	file:///C:/WINDOWS/TEMP/2-1-5.html
Top	file:///C:/WINDOWS/TEMP/Chapter%202.html
Microsoft Windows XP Help	file:///C:/WINDOWS/TEMP/2-2-1.html
Windows Desktop	file:///C:/WINDOWS/TEMP/2-2-2.html
Desktop Cleanup Wizard	file:///C:/WINDOWS/TEMP/2-2-3.html
Start Button	file:///C:/WINDOWS/TEMP/2-2-4.html
Taskbar	file:///C:/WINDOWS/TEMP/2-2-5.html
Notification Area (System Tray)	file:///C:/WINDOWS/TEMP/2-2-6.html
Recycle Bin	file:///C:/WINDOWS/TEMP/2-2-7.html
Control Panel	file:///C:/WINDOWS/TEMP/2-2-8.html
My Computer	file:///C:/WINDOWS/TEMP/2-2-9.html
Numeric Keypad	file:///C:/WINDOWS/TEMP/2-3-1.html
Keyboard Shortcuts	file:///C:/WINDOWS/TEMP/2-3-2.html
Windows Logo Key Functions	file:///C:/WINDOWS/TEMP/2-3-3.html
Easy Buttons	file:///C:/WINDOWS/TEMP/2-3-4.html
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Adjusting Volume	file:///C:/WINDOWS/TEMP/2-9-2.html
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The BIOS Setup Program

Introduction

The BIOS (Basic Input and Output System) Setup program is a menu driven utility that enables you to make changes to the system configuration and tailor the operation of your Notebook to your individual individual work needs. A ROM-based configuration utility displays the system's configuration status and provides you with a tool to set system parameters. These parameters are stored in nonvolatile battery backed backed-up CMOS RAM, which saves this information even when the power is turned off. When the computer is turned back on, the system is is configured with the values found in CMOS. Using easy-to-use menus, menus, you can configure such items as:

- Hard drives, diskette drives and peripherals

- Video display options

- Password protection from unauthorized use

- Boot devices

  The settings made in the Setup program intimately affect how the Notebook performs. It is important, therefore, first to try to understand all all the available options, and second, to make settings appropriate for the way you use the Notebook. This chapter will guide you through the Setup program by providing clear explanations for all Setup options.

  A standard configuration has already been set in the Setup program by the factory technicians, so you will very likely have little to worry about for now. However, eventually you may want to customize your system to to suit your own performance needs. It is recommended that you read this chapter and become familiar with the adjustments that can be made made in the BIOS.

  The next section explains how to move around in the Setup program, as as well as how to specify and save your new settings. A brief discussion discussion of the optional settings among the different submenus follows.

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Navigating through the BIOS Setup Program

The Setup program has been designed to make it as easy to use as possible. It is a menu driven program, which means you can scroll through the various directories and make your selections among the various predetermined choices. If you accidentally make a setting and do not know which one to switch back to, use the BIOS hot keys to return to the previous value. The hot keys are discussed in more detail later in this chapter.

When turning on the Notebook for the first time you may get a message message prompting you to run the BIOS Setup program. A warning message may appear on the screen if the hardware configuration is changed or the POST fails. This message will inform you of any errors or invalid settings and prompt you to run the Setup program to correct the problem.

Even if you are not prompted by a message instructing you to use the Setup program, at some time in the future you may want to change the configuration of your computer. For example, you may want to make changes to the display option settings or enable the Notebook's password function for security purposes. It will then be necessary to reconfigure your system using the Setup program so that the computer can recognize these changes.

The list below gives a few examples of reasons why you may want or need to run the BIOS Setup program.

- You have set up the computer for the first time and you got a message stating that you should run the BIOS Setup program.

- You want to redefine the communication ports to prevent any conflicts.

- You want to change the password or make other changes to the security setup.

The few examples listed above are by no means a complete list.

Accessing the BIOS Setup program

Launching submenus

General Help

Saving Changes and Exiting the Setup Program

Top

Accessing the BIOS Setup program

To access the BIOS Setup program, press the F2 key after the Notebook has run through its POST.

The Menu Bar

The top of the Setup screen has a menu bar with the following selections:

Main   Use this menu to make changes to the basic system configuration.

System Devices	Use this menu to enable and make changes to the advanced features available on your system.
Security	Use this menu to set System and Boot passwords.
Boot	Use this menu to specify the order in which the Notebook is to check for a device to boot the system.
Info	This menu lists hardware information about your system. The items cannot be modified.
Exit	Use this menu to specify how to exit the Setup program.

To move between menu bar items, use the [◀] and [▶] arrow keys until the desired item is highlighted. For example, if you want to move from the Main menu to the System Devices menu, press the right arrow key [▶] once. The System Devices menu item should now be highlighted.

The Legend Bar

At the bottom of the Setup screen, you will notice a legend bar. The keys in the legend bar allow you to navigate through the various individual setup menus. The following table lists the keys found in the legend bar with their corresponding functions:

Legend Key	Function
[Fl] or [Alt] + [H]	*Displays the General Help window.*
[Esc]	*Exits the current menu and moves you to the Exit menu.*
[◀] or [▶]	*Selects a different menu bar item.*
[▲] or [▼]	*Moves the cursor up and down between fields.*
[F5] / [-]	*Scrolls backwards through the values for the highlighted field.*
[F6] / [+] / [Space]	*Scrolls forward through the values for the highlighted field.*
[F9]	*Sets the parameters to their default values.*
[Fl0]	*Saves any changes and exits Setup.*
[Enter]	*Executes commands or selects a submenu.*

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Launching submenus

A submenu contains additional options for a field parameter. To call up a submenu, simply move the highlight to the desired field and press the [Enter] key. The submenu will then immediately appear. Use the legend keys to enter values and move from field to field within a submenu just as you would within a menu.

If you are a first time user or are not familiar with BIOS Setup programs, programs, it is highly recommended that you take a few minutes to familiarize yourself with each of the legend keys and their corresponding corresponding functions. Practice navigating through the various menus menus and submenus. If you accidentally make unwanted changes to

the current configuration, pressing the function key [F9] will return the activated menu to its factory set values.

Note that on the right side of each of the BIOS screens there is a section labeled *Item Specific Help*. While moving around through the Setup program, explanations for the currently highlighted field appear in the *Item Specific Help* window.

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General Help

In addition to the Item Specific Help window, the BIOS Setup program also provides a General Help screen. This screen can be called up from from any menu by simply pressing the function key [Fl], or the [Alt] + [H] combination. The General Help screen lists the legend keys with their corresponding alternates and functions.

When a scroll bar appears to the right of a help window, this indicates that there is more information to be displayed that will not fit in the window. Use the [Page Up] and [Page Down] keys or the up and down arrow keys [▲] [▼] to scroll through the entire help document. Press [Home] to display the first page. Press [End] to go to the last page. To exit the help window, press the [Enter] or the [Esc] key.

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Saving Changes and Exiting the Setup Program

Refer to the Exit Menu section of this chapter for detailed information on on saving changes and exiting the Setup program.

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The Main Menu

When the Setup program is accessed, the Information screen appears. Use the [▶] key to select the Main Menu.

Figure 3-1: The Setup Main Menu

Enter the Main Menu of the BIOS setup program to make changes to the Notebook's basic system configuration. Each of the fields displayed in this menu is covered below below in detail.

System Time

Sets your system to the time that you specify (usually the current time). The format is hour, minute, and second, using the 24-hour clock. Insert the appropriate information. information. Use the tab key to move between the hour, minute, and second fields.

System Date

Sets your system to the date that you specify (usually the current date). The format is is month, day, year. Type in the appropriate information. Use the tab key to move between the month, day, and year fields.

Floppy Disk Drive

The Floppy Drive status is auto detected by the system.

Internal Hard Disk

The hard disk types and capacity are auto detected and set by the system. If there is no hard disk present or unknown type, "None" should be shown on this field, otherwise the capacity should be shown.

ATAPI Device

The CD-ROM, DVD-ROM or CD-RW is auto detected and set by the system. If there is no ATAPI Device present or unknown type, "None" should be shown on this field, otherwise the model name should be shown.

Boot Display Device

This field allows you to specify display type options. They are:

- Auto-Selected

- Both

Auto-Selected: During the power on process, the system will detect if any display device is connected on the external video port. If any external display device is connected, the power on display will be in CRT (or projector) only mode. Otherwise it will be in LCD only mode. will automatically select the external display if a CRT monitor is connected to the Notebook.

Both allow you to simultaneously view the Notebook's LCD display and an external CRT monitor display or projector.

The default value for this field is: Both

Screen expansion

This field allows you to enlarge the LCD viewing area when you operate in lower resolution. There are two possible settings:

- Enabled

- Disabled

The default value for this field is: Enabled

Television Type

This field allows you to select the television system mode. There are two possible settings:

- NTSC

- PAL

The default setting for this field is: NTSC

VGA Memory

This field displays the amount of shared memory available for the Video Graphics Array. There are three possible settings: 16MB, 32MB and 64 MB. The default value for this field is 16MB.

NOTE: The sub-items under each device will not be shown if the device control is set to disable or auto. This is because the user is not allowed to control the settings in these cases.

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The System Devices Menu

Selecting *System Devices* from the menu bar displays the System Devices Menu. Please see *Figure 2-2*.

Figure 3-2: The System Devices Menu

This menu allows you to configure the Notebook's PS/2 pointing devices, and serial and parallel ports options. Each field on this menu is covered below.

PS/2 Pointing Device

This field allows you to select whether the internal pointing device is enabled or disabled when an external PS/2 mouse is present. Available options for this field are: are:

* Auto-Selected

* Both

Auto-Selected mode will automatically disable the internal pointing device if an external PS/2 mouse is present.

Both will allow both internal pointing device and external PS/2 mouse to be used simultaneously.

The default value for this field is: Both

Serial Port

This field allows you to configure the Notebook's Serial Port. The following options are available:

* Enabled: configuration set by user

* Disabled: no configuration

* Auto: BIOS or OS chooses configuration

The default value for this field is: Enabled

Changing the default address and IRQ settings for the Serial and Parallel Port can cause conflicts with other system devices or installed peripherals

Base I/O address

When the Serial Port field is set to Enabled, the "Base I/O address" field becomes available and you can set the serial port's I/O address. The following I/O options are available:

- 3F8

- 2F8

- 3E8

- 2E8

The default value for this field is: 3F8

Interrupt

When the Serial Port field is set to Enabled, the "Interrupt" field becomes available and you can set the serial port's IRQ value. The following IRQ options are available:

- IRQ 4

- IRQ 3

The default value for this field is: IRQ 4

Parallel Port

This field allows you to configure the Notebook's Parallel Port. The following options are available:

- Enabled: configuration set by user

- Disabled: no configuration

- Auto: BIOS or OS chooses configuration

The default value for this field is: Enabled

Changing the default address and IRQ settings for the Serial and Parallel Port can cause conflicts with other system devices or installed peripherals

Mode

This field allows you to configure the Notebook's Parallel Port transmission mode. The following options are available:

- Normal

- Bi-directional

- ECP

- EPP

EPP and ECP are bi-directional modes, allowing both data input and output. The

EPP and ECP modes are only supported with EPP- and ECP-aware peripherals.

The default value for this field is: ECP Mode

Base I/O address

When the Parallel Port field is set to Enabled, and the mode to Normal, Bi-directional directional or ECP, the "Base I/O address" field becomes available and you can set the parallel port's I/O address. The following I/O options are available:

- 378

- 278

- 3BC

The default value for this field is: 378

Interrupt

When the Parallel Port field is set to Enabled, the "Interrupt" field becomes available and you can set the parallel port's IRQ value. The following IRQ options are available:

- IRQ 7

- IRQ 5

The default value for this field is: IRQ 7

DMA Channel

This field is only available when the Parallel Port Mode field is set to ECP. It allows you to configure the Parallel Port's DMA Channel for ECP mode. The following options are available:

- DMA 1

- DMA 3

The default value for this field is: DMA 3

Top

The Security Menu

The Notebook's advanced system of security allows you to set a password to prevent unauthorized access to system resources, data, and the BIOS Setup program. This section covers each parameter of the Security Menu. Selecting *Security* from the menu bar displays the following menu:

```
                         PhoenixBIOS Setup Utility

 Main      System Devices      Security      Boot      Info.     Exit
                                                         Item    specific
                                                         Help

      User Password is               Clear
      Administrator Password is       Clear

      Set User Password              [Enter]
      Set Administrator Password     [Enter]              Supervisor
                                                          Password
                                                          controls access
                                                          to the setup
                                                          utility

      Password Required to:
         Boot:                       [Enabled]




 F1  Help      ↑↓    Select Item    F5/F6  Change Values    F9   Setup defaults
 Esc Exit      ←→    Select Menu    Enter  Select ► Sub-Menu F10  Save and Exit
```

Figure 3-3: The Security Menu

Each field of the Security Menu is covered in detail below.

A Note about Passwords

The BIOS Setup program allows you to specify passwords in the Security menu. The The passwords control access to the BIOS and certain Security menu options during during system startup.

The passwords are not case sensitive. In other words, a password can be entered using either upper or lower case letters; it makes no difference.

Passwords should be composed of characters A-Z, 0-9 and not exceed eight characters in length.

The administrator password controls access to the setup utility. The administrator password must be set before the user password can be set.

The user password controls access to the system at bootup. The format of the password is as follows:

User Password Is / Administrator Password Is

This field will show Set when you have set a System Password as described below. If you have not set the System Password, the field will show Clear. This is a display only field.

Set User Password… / Set Administrator Password…

This field allows you to set the System Password. The System Password allows full access to the BIOS Setup menus. To set the administrator password, highlight this field and press the [Enter] key. The following dialog box appears:

```
┌─────────────────────────────────────────────────────────────────┐
│ Set Administrator Password                                        │
├─────────────────────────────────────────────────────────────────┤
│                                                                   │
```

Enter New Password [ ]

Confirm New Password [ ]

Type the password and press the [Enter] key. You can type up to eight alphanumeric alphanumeric characters. Symbols and other keys are ignored. To confirm the password, type the password again and press the [Enter] key. The System password password is now set. Note that the "Administrator Password is" field automatically changes to **Set**.

To change or clear a password, highlight this field and press the [Enter] key.

The following dialog box appears:

Set Administrator Password

Enter Current Password [ ]
Enter New Password [ ]
Confirm New Password [ ]

Enter the current password, then enter the new password, and finally confirm the new password. To clear the password, enter the current password, then press the [Enter] key twice. The password is now cleared and the "System Password is" field is is automatically set to **Clear**.

When changing or clearing the password a "Setup Notice" will inform you that changes have been saved.

Setup Notice
Changes have been saved.
[continue]

Press the [Enter] key to register your changes.

If the current password entered does not match the actual current password the following message will appear:

Setup Warning
Invalid password
Re-enter Password
[continue]

If the new password and confirm new password strings do not match this message will appear:

Setup Warning
Password do not match
Re-enter Password

Password Required to Boot

When this field is enabled, the system will require the password before the system can bootup. This option is only available once an administrator password has been set. The options for this field are:

- Enabled

- Disabled

The default setting for this field is: Disabled

Top

The Boot Menu

The Boot Menu allows the user to specify the order in which the Notebook is to check for a device to boot the system. To make changes, select Boot from the menu menu bar. The following screen appears:

```
                          PhoenixBIOS Setup Utility
 Main      System Devices     Security      Boot      Info.      Exit
                                                        Item    specific
                                                        Help
    User Password is              Clear
    Administrator Password is     Clear

    Set User Password             [Enter]
    Set Administrator Password    [Enter]             Supervisor
                                                      Password
                                                      controls access
                                                      to the setup
                                                      utility

    Password Required to:
       Boot:                      [Enabled]




 F1  Help       ↑↓    Select Item    F5/F6  Change Values    F9   Setup defaults
 Esc Exit      ← →    Select Menu    Enter  Select ► Sub-Menu  F10  Save and Exit
```

Figure 3-4: The Boot Menu

Boot Sequence

The Boot Menu allows you to alter the priority the system uses to search for the boot boot device on system power up according to numerical order.

Use the up and down arrow keys [▲] [▼] to select a device, then press:

- [F6] to move a device up the list

- [F5] to move a device down the list

Press [Esc] to exit the menu.

Top

The Information Menu

The information menu displays static system information. The fields are read only.

Figure 3-5: The Information Menu

System Memory

This field displays the amount of conventional memory detected by the system during bootup. You do not need to make changes to this field. This is a display only field.

Extended Memory

This field displays the amount of extended memory detected by the system during bootup. You do not need to make changes to this field. This is a display only field. Extended Memory size = Total memory size - 1 MB

Top

The Exit Menu

Once you have made all of your selections from the various menus in the Setup program, you should save your changes and exit Setup. Select Exit from the menu bar to display the following menu:

Figure 3-6: The Exit Menu

Pressing the [Esc] key does not exit this menu. You must select one of the options from this menu or a menu bar item to exit this menu.

Each of the options on this menu is described below.

Save Changes and Exit

Once you are finished making your selections, choose this option from the Exit Menu Menu to ensure the values you selected are saved to Non-Volatile RAM. Changes you made to the Setup program must be changed to Non-Volatile RAM in order to make them operative. Non-Volatile RAM differs from standard RAM memory in that it it is sustained by an on-board battery and stays on even when the Notebook is turned off.

Once your selections have been saved, the Setup program displays the following message:

Setup Confirmation
Save configuration changes and exit now?   **[Yes] [No]**

System will reboot if Yes is selected and will stay in Setup if No is selected.

The next time you bootup the Notebook, the BIOS will attempt to load the values you you saved in Non-Volatile memory. If these values cause the system boot to fail, reboot and press [F2] to enter the Setup program. Once in Setup, you can try to change the values that caused the system boot to fail. If the problem persists, load the default values (see *Get Default Values* below).

If you attempt to exit the Setup program without saving your changes, the program will prompt you with a message asking if you want to save your changes before exiting.

Discard Changes and Exit

This option should only be used if you do not want to save the changes you have made to the Setup program. The default is set to No. If you have made changes to the fields other than system date, system time and password, the system will ask for for confirmation when choosing *Exit Discarding Changes*.

Warning
Configuration has not been saved!
Save before exiting?
[Yes] [No]

The system will reboot after either selection.

Get Default Values

This option allows you to load the default values for each of the parameters on the Setup Menus. When this option is selected, the following message is displayed:

Setup Confirmation
Load default configuration now?
[Yes] [No]

The system will remain in Setup after either selection.

You can now select *Exit Saving Changes* or make other changes before saving the values to Non-Volatile RAM.

Top

捷徑文字	Internet 網址
Introduction	file:///C:/WINDOWS/TEMP/3-1.html
Navigating through the BIOS Setup Program	file:///C:/WINDOWS/TEMP/3-2.html
The Main Menu	file:///C:/WINDOWS/TEMP/3-3.html
The System Devices Menu	file:///C:/WINDOWS/TEMP/3-4.html
The Security Menu	file:///C:/WINDOWS/TEMP/3-5.html
The Boot Menu	file:///C:/WINDOWS/TEMP/3-6.html
The Information Menu	file:///C:/WINDOWS/TEMP/3-7.html
The Exit Menu	file:///C:/WINDOWS/TEMP/3-8.html
Top	file:///C:/WINDOWS/TEMP/Chapter%203.html
Accessing the BIOS Setup program	file:///C:/WINDOWS/TEMP/3-2-1.html
Launching submenus	file:///C:/WINDOWS/TEMP/3-2-2.html
General Help	file:///C:/WINDOWS/TEMP/3-2-3.html
Saving Changes and Exiting the Setup Progr Program	file:///C:/WINDOWS/TEMP/3-2-4.html

Expanding Memory

Memory

Memory

Installing a Memory Module

Removing a Memory Module

Your notebook has 128MB/256MB/512MB DDR-266 installed. You can extend the memory up to 1GB. The available memory modules are 128MB, 256MB and 512MB.

Read through the information below carefully before you begin. If you don't feel completely confident installing a memory module yourself, contact your notebook dealer.

For problems with memory, see Chapter 7, Troubleshooting.

Avoid touching the connectors on the memory module or your notebook. Grease or dirt on the connectors can cause memory access problems.

Static electricity can damage the memory module. Before you handle the module, touch a grounded metal surface to discharge any static electricity you may have.

Before purchasing new memory for your notebook, check with your computer dealer for recommended memory modules.

Installing a Memory Module

Removing a Memory Module

Top

Installing a Memory Module

If you are adding a memory module after you have started to use the computer, begin at step 1. Otherwise, skip to step 3.

1. If the computer is on, click **Start**.

2. In the Shut Down Windows dialog box, select **Shut Down** -> **OK**.

3. Remove all cables connected to the computer.

4. Close the display panel and turn the computer upside down.

5. Remove the battery.

6. Remove the screw securing the memory module cover, then remove the the cover.

7. Hold the memory module by its edges at 45 degrees, so that the goldfinger connector bar fits into the rear slot, then push and press the module gently into the socket.

8. Position the memory module cover on the computer and secure it with the screw.

9. Turn your notebook right side up.

10. Reconnect any cables you disconnected.

11. Turn on your notebook and verify that it correctly recognizes the amount amount of memory currently installed in the computer

Top

Removing a Memory Module

1. If the computer is on, click **Start**.

2. In the Shut Down Windows dialog box, select **Shut Down** -> **OK**.

3. Remove all cables connected to the computer.

4. Close the display panel and turn the computer upside down.

5. Remove the battery.

6. Remove the screw securing the memory module cover, then remove the the cover.

7. Release the memory module by gently pushing the latches on both sides of the memory socket outward. The module will then pop up.

8. Remove the memory module.

9. Position the memory module cover and secure it with the screw.

10. Turn your notebook right side up.

11. Reconnect any cables you disconnected.

12. Turn on your notebook and verify that it correctly recognizes the amount amount of memory installed.

Top

捷徑文字	Internet 網址
Memory	file:///C:/WINDOWS/TEMP/4-1.htm
Installing a Memory Module	file:///C:/WINDOWS/TEMP/4-1-1.html
Removing a Memory Module	file:///C:/WINDOWS/TEMP/4-1-2.html
Top	file:///C:/WINDOWS/TEMP/Chapter%204%20.ht 20.htm

Caring For Your Notebook

Caring For Your Notebook

Never spray cleaning products directly onto your notebook's case or display. Only use products designed for cleaning computer displays.

Cleaning Your Notebook and Keyboards

Shut your notebook down, turn it off and disconnect it from the electrical electrical outlet and any external devices, such as a printer.

1. Remove batteries.

2. Using the brush attachment of your vacuum cleaner, gently remove dust dust from your notebook's openings and keyboard.

3. Using a slightly moistened soft, lint-free cloth, wipe your notebook and

keyboard. **Use only water or a recommended computer cleaner**.

Top

Cleaning the Display

1. Shut your notebook down, turn it off and disconnect it from the electrical electrical outlet and any external devices, such as a printer.

2. Remove batteries.

3. Using a slightly moistened soft, lint-free cloth, wipe your notebook's display. **Use only water or a recommended computer cleaner**.

   Top

Cleaning the Touch Pad

1. Shut your notebook down, turn it off and disconnect from the electrical outlet and any external devices, such as a printer.

2. Remove batteries.

3. Using a slightly moistened soft, lint-free cloth, carefully wipe the touch pad, being careful not to allow any moisture into the gaps. **Use only water or a recommended computer cleaner**.

   Top

Cleaning the Diskette Drive

Use only commercial cleaning kits to clean your diskette drive.

Top

Cleaning the CD/DVD Drive

Never touch the lens. Use only compressed air to clean the lens.

If you experience problems playing CDs or DVDs, including skipping, clean the unlabelled side of the disc with a soft, lint-free cloth or using a a commercial product.

Top

Precautions

- Don't spill liquids on the keyboard. If liquid is spilt on the keyboard, turn your notebook off immediately. Leave off overnight to let it completely dry out before using it again.

- Don't turn off your notebook if a drive light indicates a drive is active. Turning off your notebook while it is reading from or writing to a disk may damage the disk, the drive, or both.

- Keep your notebook and disks away from objects that generate strong magnetic fields, such as stereo speakers. Information on disks is stored magnetically. Placing a magnet too close to a disk can erase important files.

- Scan all new files for viruses. This precaution is especially important for files you receive via email, disk or download from the Internet. You will need a special program to scan for viruses. For further information, talk to your computer dealer.

    Top

Traveling

Identifying Your Notebook

Packing Your Notebook

Setting a Password

Travel Tips

If Your Notebook Is Lost or Stolen

Top

Identifying Your Notebook

Attach a name tag or business card to your notebook, or use a permanent marker or stencil to write a unique identifying mark (such as your driver's license number) on the case.

Write down your service tag sequence and store it in a safe place away from the notebook or carrying case. Use the service tag sequence if you you need to report a loss or theft to law enforcement officials.

Create a file on the Desktop called **if found**. Place information such as your name, address, and telephone number in this file.

Contact your credit card company, and ask if it offers coded identification tags.

Top

Packing Your Notebook

Remove any external devices attached to the computer and store them in a safe place. Remove any cables attached to installed PC Cards, and and remove any extended PC Cards.

Fully charge the main battery and any spare batteries you plan to carry with you.

Turn off the computer or put the computer into hibernate mode.

Disconnect the AC adapter.

Remove any extraneous items, such as paper clips, pens, and paper, from the keyboard and then close the display.

Pack your notebook and accessories in their carrycase.

Avoid packing the computer with items such as shaving cream, colognes, perfumes, or food.

Protect the computer, the batteries, and the hard drive from hazards such as extreme temperatures and dirt, dust, liquids, or overexposure to to sunlight.

Pack the computer so that it does not slide around in the trunk of your car or in an overhead storage compartment.

When traveling by air, never check your notebook as baggage.

Top

Setting a Password

To provide extra protection for your data and documents, it is advisable to set a password.

As your notebook is booting (starting up), press **F2** to take you to the **BIOS Setup Utility**. Use the right arrow key to highlight **Security**.

Use the down arrow key to select: **Set Supervisor Password⋯ [Enter]**. Press **Enter**.

Type your password, press **Enter** and re-type to confirm. Press **Enter**. Your changes will be saved. Press **Enter** to continue.

To enable password protection, use the down key to select **Password Required to Boot**. Press **Enter**. To turn on password protection, use the down key to select **Enabled**; to turn password protection off, select **Disabled**. Press **Enter**.

Use the right arrow key to select **Exit**. Your notebook will now boot as normal.

Top

Travel Tips

- If you are traveling internationally, carry proof of ownership-or of your

right to use the computer if it is company-owned-to speed your passage passage through customs. Investigate the customs regulations of the countries you plan to visit and consider acquiring an international carnet carnet (also known as a merchandise passport) from your government.

- Ensure that you know which electrical outlets are used in the countries you will visit, and have appropriate power adapters.

- Check with your credit card company for information about the kinds of emergency travel assistance it offers to users of portable computers.

- When traveling by air, ensure that you have a charged battery available available in case you are asked to turn on the computer.

- Before you use the computer on an airplane, verify that such usage is permitted. Some airlines forbid the use of electronic devices during the flight. All airlines forbid the use of electronic devices during takeoff and landing.

⚠️ *Never walk your notebook through a metal detector. Send it through an X-ray machine, or have it manually inspected.*

Top

If Your Notebook Is Lost or Stolen

Call a law enforcement agency to report your notebook lost or stolen. Include the service tag sequence in your description of the notebook. Ask that a case number be assigned and write down the number, along with the name, address, and telephone number of the law enforcement agency. If possible, obtain the name of the investigating officer.

If the notebook belongs to a company, notify the security office of the firm.

Top

捷徑文字	Internet 網址
Caring For Your Notebook	file:///C:/WINDOWS/TEMP/5-1.htm
Traveling	file:///C:/WINDOWS/TEMP/5-2.htm
Cleaning Your Notebook and Keybo Keyboard	file:///C:/WINDOWS/TEMP/5-1-1.htm
Cleaning the Display	file:///C:/WINDOWS/TEMP/5-1-2.htm
Cleaning the Touch Pad	file:///C:/WINDOWS/TEMP/5-1-3.htm
Cleaning the Diskette Drive	file:///C:/WINDOWS/TEMP/5-1-4.htm
Cleaning the CD/DVD Drive	file:///C:/WINDOWS/TEMP/5-1-5.htm
Precautions	file:///C:/WINDOWS/TEMP/5-1-6.htm
Top	file:///C:/WINDOWS/TEMP/Chapter%205.h 205.htm
Identifying Your Notebook	file:///C:/WINDOWS/TEMP/5-2-1.htm
Packing Your Notebook	file:///C:/WINDOWS/TEMP/5-2-2.htm
Setting a Password	file:///C:/WINDOWS/TEMP/5-2-3.htm
Travel Tips	file:///C:/WINDOWS/TEMP/5-2-4.htm
If Your Notebook Is Lost or Stolen	file:///C:/WINDOWS/TEMP/5-2-5.htm

Peripherals

PC Cards

PC Card Types

The PC Card slot supports two Type II or one Type III cards. The PC Card slot supports CardBus technology and extended PC Cards. "Type" "Type" refers to the card's thickness, not what it does.

A PC Card is not a bootable device.

Top

Extended PC Cards

An extended PC Card is longer than a standard PC Card. When using extended PC Cards, follow these precautions:

- Protect the exposed end of an installed card. If the end of the card is struck, the system board may be damaged.

- Always remove an extended PC Card before packing your notebook in its carry case.

  Top

Installing PC Cards

PC Cards may be 'hot-swapped', which means you can install a card while your notebook is running. The card will be detected automatically.

Usually PC Cards have a mark or symbol to show which end to insert into the slot. Cards are keyed to prevent incorrect insertion. Check the documents that came with your card if the orientation is unclear.

1.   Hold the card with its orientation symbol pointing into the slot and the top side of the card facing up. The push-button latch may need to be in before inserting the card.

2.   Slide the card into the slot until it clicks into the connector.

3.   If you encounter too much resistance, do not force the card. Check the card orientation and try again.

     Your notebook will recognize most PC Cards and automatically load the the appropriate device driver. If the configuration program tells you to
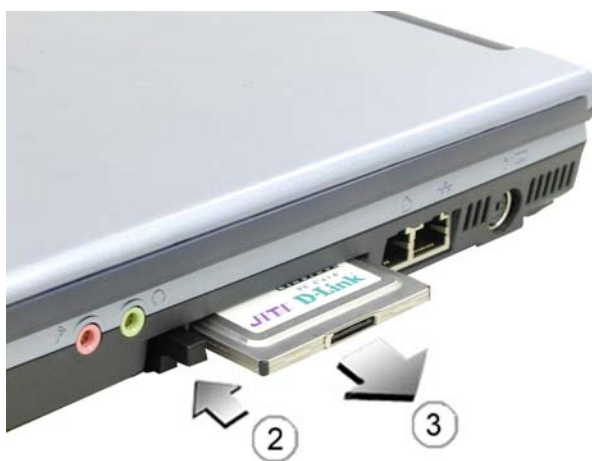
load the manufacturer's drivers, use the floppy disk or CD that came
with the PC Card.

Top

Removing PC Cards

*Before removing a PC Card, stop it running from the configuration utility
utility on the taskbar. Failure to do so could result in data loss. Never try
try to remove a PC Card by pulling on its cable, if one is attached.*

1. Press the release latch.

2. Press the latch again to eject the card.

3. Remove the card.

   Top

Printers

Check the printer documentation to check your printer has a parallel interface. If the printer can be switched between both, choose parallel as it is faster.

If your printer did not come with a suitable printer cable, you can purchase one from a computer or electronics store.

These instructions are for a parallel printer, the most common type of interface.

1. Turn off your notebook.

2. Connect the printer cable to the printer and to your notebook's parallel port.

3. Plug the printer's power cable into an electrical outlet.

   For further steps, refer to the documentation that came with your printer. printer.

   If you started your computer with a printer connected and turned on, it may have been detected automatically (Plug and Play). If not, then you may have to install the printer driver for your printer, either using the instructions provided with your printer, or in Windows XP via **Start -> Control Panel -> Pick a Category··· -> Printers or Other Hardware -> Pick a task··· -> Add a Printer -> Add Printer Wizard** or in the Control Panel Classic Interface, **Printers and Faxes -> Add a Printer -> Add Printer Wizard**.

   The Add Printer Wizard interface will take you through the steps to connect your notebook and printer.

   Top

捷徑文字	Internet 網址
PC Cards	file:///C:/WINDOWS/TEMP/6-1.htm
Printers	file:///C:/WINDOWS/TEMP/6-2.htm
PC Card Types	file:///C:/WINDOWS/TEMP/6-1-1.htm
Extended PC Cards	file:///C:/WINDOWS/TEMP/6-1-2.htm
Installing a PC Card	file:///C:/WINDOWS/TEMP/6-1-3.htm
Removing a PC Card Card	file:///C:/WINDOWS/TEMP/6-1-4.htm
Top	file:///C:/WINDOWS/TEMP/Chapter%206.h 206.htm

Driver Installation

This chapter covers the installation of device drivers in the Windows XP environment. The step-by-step instructions provided in this chapter will help you install and configure the following drivers:

1. Video Adapter

2. Sound Controller

3. Network Adapter

4. PCMCIA Controller

5. Mouse (Touchpad)

6. Modem

7. Combo (Modem + Wireless Network (IEEE 802.11b) Adapter)

You can also perform a BIOS Update from the driver CD.

Insert the driver CD into the CD-ROM drive. The Driver Installation Guide will appear automatically. Follow the instructions in the Guide, or those below, to install the driver you want.

Video Adapter

Sound (Audio) Adapter

Network Adapter

PCMCIA Controller - Cardbus Controller

PCMCIA Controller - ATA Patch

Mouse (Touchpad)

Modem (for modem-only mini-PCI card equipped CY-25)

Combo (Modem + Wireless Network (IEEE 802.11b) Adapter) (for combo mini-PCI card equipped CY-25)

BIOS Update

Video Adapter

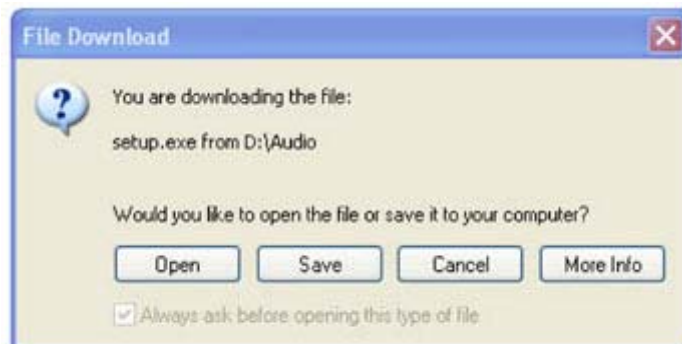1. Click the link in the Driver Installation Guide. The following dialog box will appear.
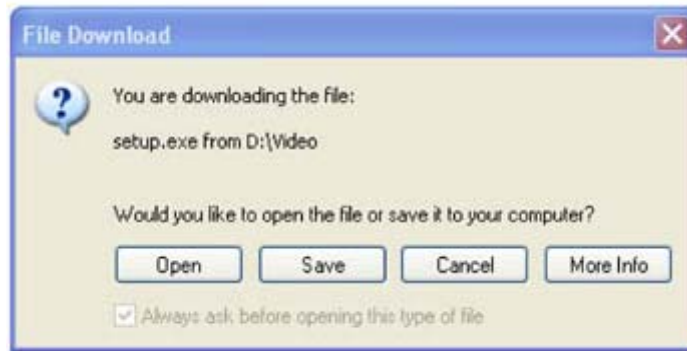
2. Click **Open**.

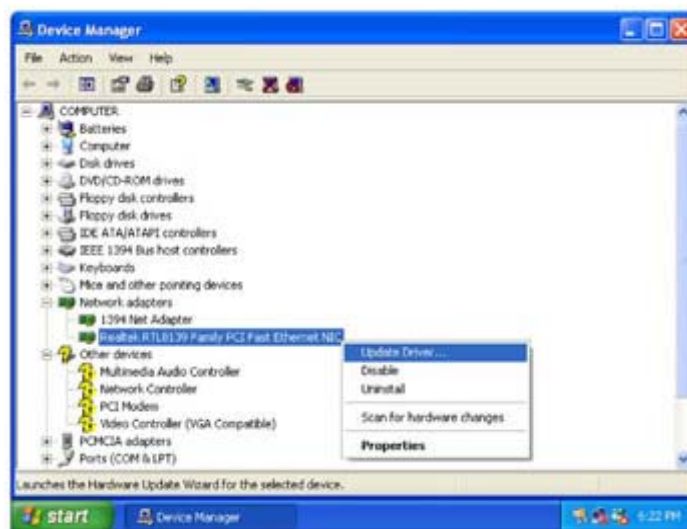3. The setup program will launch. Follow the screen-by-screen instructions instructions to install the driver.

4. When prompted, select "Yes, I want to restart my computer now." Click **Finish** to complete the installation. Your computer will restart with the new driver properly installed.

   Top

Sound (Audio) Adapter

1. Click the link in the Driver Installation Guide. The following dialog box will appear.

2. Click **Open**.

3. The setup program will launch. Follow the screen-by-screen instructions instructions to install the driver.

4. When prompted, select "Yes, I want to restart my computer now." Click **Finish** to complete the installation. Your computer will restart with the new driver properly installed.

   Top

Network Adapter

1. Open "System Properties" by right clicking "My Computer" and choosing choosing "Properties".

2. Open the "Hardware" tab.

3. Click "Device Manager".

4. Open the "Network adapters" catalogue.

5. Right click "Realtek RTL8139 Family PCI Fast Ethernet NIC" and select "Update Driver..."

6. Select "Install from a list or specific location (Advanced)" and click "Next".

7.   Uncheck "Search removable media (floppy, CD-ROM...) and check "Include this location in the search:". Then click "Next".

8.   Click "Finish" when prompted to complete the installation
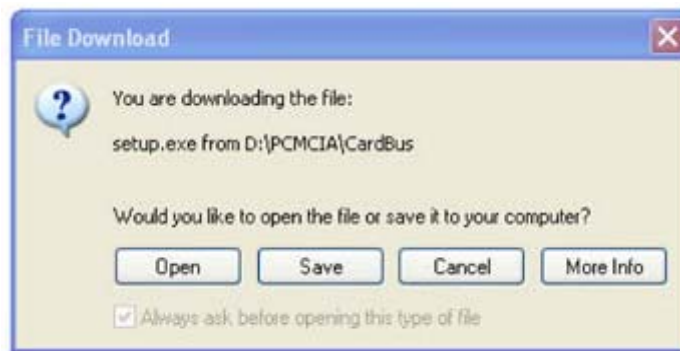
Top

PCMCIA Controller - Cardbus Controller

1. Click the link in the Driver Installation Guide for the CardBus Controller. The following dialog box will appear.
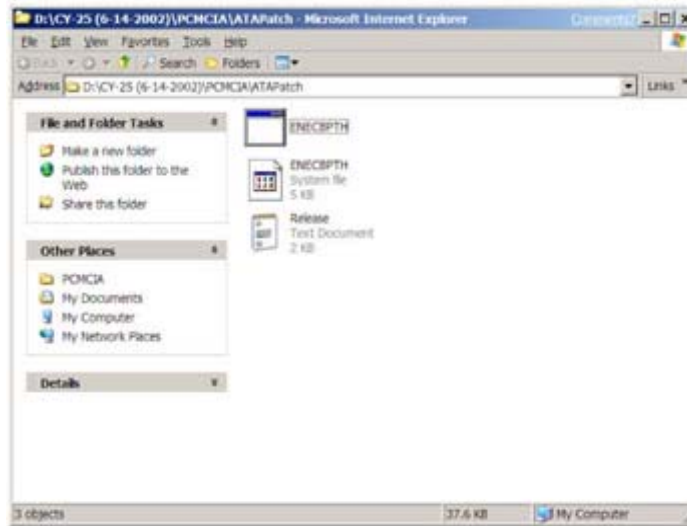

2. Click **Open**.

3. The setup program will launch. Follow the screen-by-screen instructions instructions to install the driver.

4. When prompted, select "Yes, I want to restart my computer now." Click **Finish** to complete the installation. Your computer will restart with the new driver properly installed.

    Top

PCMCIA Controller - ATA Patch

1. Users will receive the following window when clicking the link from Driver Installation Guide:

2. Double click ENECBPTH.EXE (not the one marked as "System file") to setup. Users will be receiving a dialog (listed as below). Click "OK" to restart computer and the installation is end then.

Top

Mouse (Touchpad)

3. Click the link in the Driver Installation Guide for the Mouse (Touchpad) Controller. The following dialog box will appear.
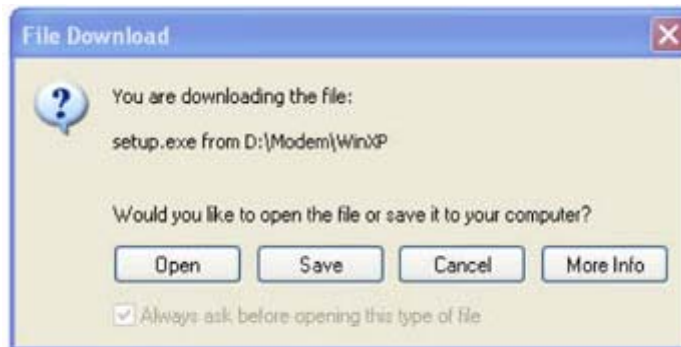
4.   Click **Open**.

5.   The setup program will launch. Follow the screen-by-screen instructions instructions to install the driver.

6.   When prompted, select "Yes, I want to restart my computer now." Click **Finish** to complete the installation. Your computer will restart with the new driver properly installed.

Top

Modem (for modem-only mini-PCI card equippe equipped CY-25)

1.   Click the link in the Driver Installation Guide for the Modem (Touchpad) Controller. The following dialog box will appear.

2.   Click **Open**.

3.   The setup program will launch. Follow the screen-by-screen instructions instructions to install the driver.

4.   When prompted, select "Yes, I want to restart my computer now." Click **Finish** to complete the installation. Your computer will restart with the new driver properly installed.
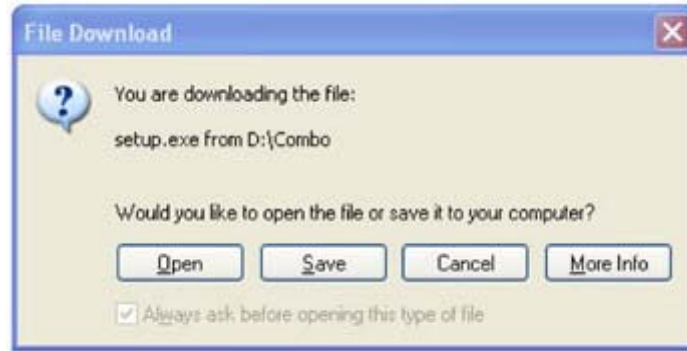
Top

Combo (Modem + Wireless Network (IEEE 802.11b) Adapter) (for combo mini-PCI card equipped CY-25)

1.   Click the link in the Driver Installation Guide for the Mouse Combo

Controller. The following dialog box will appear.

2. Click **Open**.

3. The setup program will launch. Follow the screen-by-screen instructions instructions to install the driver.

4. When prompted, select "Yes, I want to restart my computer now." Click **Finish** to complete the installation. Your computer will restart with the new driver properly installed.

Top

BIOS Update

1. Insert a bootable floppy diskette into the FDD.

2. Click on the Start menu and select Windows Explorer.

3. Select "My Computer".

4. Open the Bios folder on the CD-ROM.

5. Select each of the files in the BIOS folder. Right click **Send To** and then then choose 3½ **Floppy**.

6. Boot laptop computer from the floppy diskette mentioned in Step 1.

7. Make sure the AC adapter is connected and run the **CBIOS rom_file** from the DOS prompt.

8. The program will start to update BIOS and reboot automatically.

9. Press F2 to enter BIOS Setup Menu then press F9 to load default settings of factory. Press F10 to save settings and exit.

If, for some reason, you cannot access the Driver Installation Guide, you can also launch any of the setup programs in the following way:

1. Make sure the driver CD is in the CD-ROM drive.

2. Click the Start button on the Windows desktop, then select Run…

3. **Either**: Use **Browse** to locate the setup file for the driver you want. The The setup files for each driver are stored in the driver's separate directory on the disk. Assuming the CD-ROM Drive letter is "D", the setup file locations are:

    ⇨   D:\Audio\Setup.exe

    ⇨   D:\Combo\Setup.exe

    ⇨   D:\Modem\WinXP\Setup.exe

    ⇨   D:\PCMCIA\Cardbus\Setup.exe

    ⇨   D:\PCMCIA\ATAPatch\enecbpth.exe

    ⇨   D:\Touchpad\Setup.exe

    ⇨   D:\Video\Setup.exe

    Or: Type in the setup file location.

4. Now click OK. The setup program will launch. Follow the screen-by-screen instructions to install the driver.

5. When prompted, select "Yes, I want to restart my computer now." Click **Finish** to complete the installation. Your computer will restart with the new video driver properly installed.

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Video Adapter	file:///C:/WINDOWS/TEMP/7-1.htm
Sound (Audio) Adapter	file:///C:/WINDOWS/TEMP/7-2.htm
Network Adapter	file:///C:/WINDOWS/TEMP/7-3.htm
PCMCIA Controller - Cardbus Controller	file:///C:/WINDOWS/TEMP/7-4.htm
PCMCIA Controller - ATA Patch	file:///C:/WINDOWS/TEMP/7-5.htm
Mouse (Touchpad)	file:///C:/WINDOWS/TEMP/7-6.htm
Modem (for modem-only mini-PCI card equipped CY CY-25)	file:///C:/WINDOWS/TEMP/7-7.htm
Combo (Modem + Wireless Network (IEEE 802.11b) Adapter) (for combo mini-PCI card equipped CY-25)	file:///C:/WINDOWS/TEMP/7-8.htm
BIOS Update	file:///C:/WINDOWS/TEMP/7-9.htm
Top	file:///C:/WINDOWS/TEMP/Chapter%207.htm

The Power System

Power Management

Managing Your Notebook's Power

See Battery for more information on getting the best performance from battery packs.

Use your notebook connected to an electrical outlet as often as possible, as battery life expectancy is affected by the number of times it it is charged.

When leaving your notebook unattended for long periods, place it in standby or hibernate mode. You can exit either power management mode by pressing the power button.

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Power Management Modes

Standby Mode

This mode conserves power by switching off the hard drive and display

after a preset period of inactivity (a time-out). When standby mode is exited, your notebook will return to the same operating state it was in before entering standby.

If your notebook loses power from both the electrical outlet and the battery while in standby mode, data may be lost.

To enter standby mode in Windows XP:

Start -> Turn off computer -> Stand By.

or

You can set your notebook to go to Standby Mode:

* When you close the lid of your notebook

* When you press the power button

via the **Advanced tab** settings in **Power Options Properties** (accessed via **Start -> Control Panel -> Pick a category -> Performance and Maintenance -> Power Options**).

To exit standby mode, press the power button. You can exit standby mode by pressing a key or touching the touch pad. For more information on standby mode, see Turning Your Notebook On and Off, Chapter 2.

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Hibernate Mode

In Hibernate mode, power is conserved by system data being copied to the hard drive, and your notebook completely turning off. When hibernate mode is exited, your notebook will return to the same operating state it was in before entering hibernate mode.

Hibernate Mode can be enabled/disabled in the Power Options Properties window.

If enabled, your notebook will go into hibernate mode if the battery charge level becomes critically low.

Depending on how you set the Power Management Options on the Advanced tab in the Power Options Properties window, use one of the following methods to enter hibernate mode:

* When you close the lid of your notebook

* When you press the power button

* **Start -> Turn Off Computer -> Hibernate** (if the Hibernate option does not show, press **Shift**, and the Standby option will switch to Hibernate).

If the Hibernate option is not available for these methods, Hibernate mode has not been enabled. Check the **Enable Hibernation** box on the the Hibernate tab of the Power Options Properties window and click **Apply** to enable Hibernation.

If your PC Cards do not operate correctly after exiting hibernate mode,

remove and reinsert the card or restart your notebook.

To exit hibernate mode, press the power button. You cannot exit hibernate mode by pressing a key or touching the touch pad. For more information on hibernate mode, see Turning Your Notebook On and Off, Off, Chapter 2.

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Power Options Properties

To access the Windows Power Options Properties window:

Start -> Control Panel -> Pick a category -> Performance and Maintenance -> Power Options

Power Schemes Tab

Alarms Tab

Power Meter Tab

Advanced Tab

Hibernate Tab

Top

Power Schemes Tab

The Power Schemes pull-down menu in the Power Options Properties displays the selected preset power scheme.

To maximize battery power, use the Portable/Laptop power scheme.

In Windows XP the processor's performance level depends on the power scheme you select. You do not need to make any further adjustments to set the performance level. Each preset power scheme has different time-out settings for entering standby mode, hibernate mode, turning off the display, and turning off the hard drive. For more information on power management options, see the Help and Support Center.

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Alarms Tab

Enable audible alarms by clicking each Alarm Action button and selecting Sound alarm.

The Low battery alarm and Critical battery alarm settings alert you when when the battery charge falls below a certain percentage.

When you receive your notebook, the Low battery alarm and Critical battery alarm check boxes are selected. See Battery (Section 6.2) for more information on low-battery warnings.

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Power Meter Tab

Displays the current power source, battery status and charge amount.

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Advanced Tab

With the Advanced tab you can:

- Set power icon and standby mode password options.

- Depending on your operating system, program the following functions by clicking an option from the corresponding pull-down menu, and then clicking **OK**.

  >Set the computer to Stand by/Hibernate/Do nothing when you close the laptop lid.

  >Set the computer to Ask me what to do/Stand by/Hibernate/Shut down/Do nothing when you press the power button.

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Hibernate Tab

The Hibernate tab lets you enable hibernate mode by clicking the **Enable hibernation** check box.

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SpeedStep

Your notebook is equipped SpeedStep technology to better manage power consumption. It changes the processor speed to find the best balance between your computing performance and power consumption needs. Higher speeds enjoy better performance, while slower speeds conserve more power.

In Windows XP, the processor's performance level depends on the Power Scheme you select (see Power Options Properties, section 6.1.3). You do not need to make any further adjustments to set the performance level. Each preset power scheme has different time-out settings for entering standby mode, hibernate mode, turning off the display, and turning off the hard drive. For example, the **Portable/Laptop mode** automatically changes SpeedStep modes depending on if you are running the computer on AC power or batteries in order to prolong battery usage while still providing optimal performance. You can also individually alter and save each of these settings and schemes if desired.
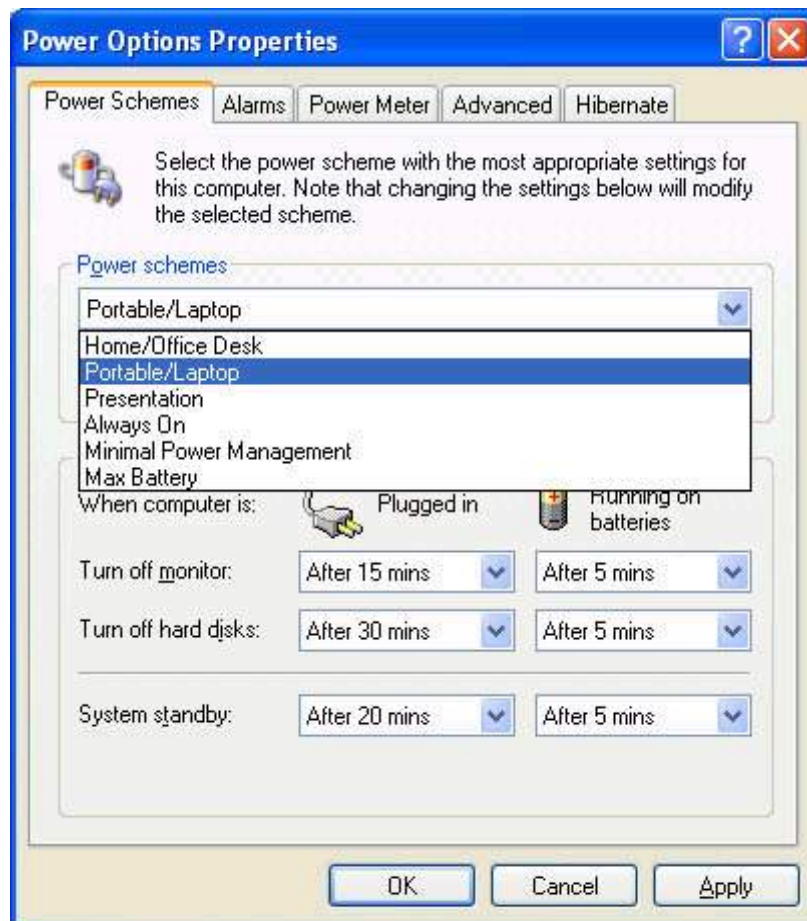
Windows XP automatically chooses the SpeedStep mode to find the
most appropriate speed for your processor according to the Power
Scheme you choose and your current system demands.

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Battery

Battery Performance

Checking the Battery Charge

Power Meter

Low-Battery Warning

Charging the Battery

Removing a Battery

Installing a Battery

Storing a Battery

Working With Extra Battery Packs

Maximizing Battery Life

Top

Battery Performance

Using a battery lets you work with your notebook without connecting it to an electrical outlet. Your notebook comes with one 8-cell Li-Ion battery pack installed, which will give you more than 300 charging/discharging cycles.

The performance of the battery can vary, depending on operating conditions. Your battery may last less time if you are running power-intensive programs, playing CDs or DVDs, using PC cards or have high high display-brightness settings.

The Power Management Options can be set to alert you when the battery charge is low.

Ensure any battery you use is compatible. Failure to do so may risk fire or explosion. For more details on purchasing compatible batteries, talk to your notebook retailer.

Batteries should never be disposed of with household waste. Contact your local waste disposal or environmental agency for advice on disposing of used lithium-ion batteries.

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Checking the Battery Charge

Battery Status	Indicator 🔋 behavior
Charging	blinks green
Fully Charged	solid green
Discharging	off
Low Battery (10%)	solid amber -> approximately 12 minutes left
Critical Low	blinks amber -> approximately 3 minutes left; system beeps

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Power Meter

The power meter 🔋 indicates the remaining battery charge. When your notebook is running on battery power, you can check the remaining remaining battery charge, doubleclick the icon on the taskbar. For more details, including how to make the 🔋 icon appear on the taskbar if it is is not already, see Power Management, section 6.1.

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Low-Battery Warning

After a low-battery warning, save your work immediately, then connect your notebook to an electrical outlet. Hibernate mode will begin automatically if the battery runs completely out of power.

You will hear the low-battery warning when the battery charge is approximately 90 percent depleted. Your notebook will beep once, indicating approximately 10 to 15 minutes of battery operating time remain. If you do not connect your notebook to alternative power source source during that time, there will be a periodic beep. Your notebook will automatically enter hibernate mode if the battery charge reaches a critically low level. For more information, see Power Management, section 6.1.

Top

Charging the Battery

When connected to an electrical outlet, a completely discharged battery battery will charge in 3 to 5 hours (depending on whether your notebook notebook is on or off and what programs, if any, are running). You can leave the battery in your notebook as long as you like. The battery's internal circuitry prevents the battery from overcharging.

Before using the battery for the first time it must be charged. Connect the computer to an electrical outlet and allow the battery to fully charge, charge, indicated by the battery indicator light on the front panel of the notebook.

Once a battery pack is fully charged for the first time, use your notebook notebook on battery power until the battery discharges completely. This This will extend battery life, and helps ensure accurate monitoring of battery capacity.

If necessary, the battery will be charged whenever your notebook is connected to an electrical outlet.

The battery will not be charged if it or your notebook is too hot, either from use or being in a hot environment. If this occurs the battery indicator will light red. Disconnect your notebook from any electrical outlet, and allow it and the battery to cool to room temperature. You can can then reconnect your notebook to the electrical outlet and charge the the battery. The battery indicator will also light red if the battery is bad bad and needs replacing.

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Removing the Battery

Before removing the battery, ensure your notebook is turned off.

1. Unlock the battery by pressing the battery latch lock

2. Slide and hold the battery release latch

3. Remove the battery

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Installing a Battery

1. Slide the battery into the bay

2. Press it into place gently but firmly until the latch locks it into place

    Top

Storing a Battery

If storing your notebook for an extended period of time, remove the battery. Fully charge the battery before using your notebook again.

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Working With Extra Battery Packs

If you spend a lot of time traveling, working without connecting your notebook to an electrical outlet, it may be a good idea to carry additional additional battery packs so you can quickly replace a discharged battery battery and continue working.

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Maximizing Battery Life

A battery can be recharged many times, but over time it will lose its ability to hold a charge. To maximize battery life:

- Don't leave your notebook plugged in and unused for more than a few few hours. Overcharging may shorten battery life.

- If you will not be using your notebook for a long period, remove the battery.

- If you have a spare battery pack, alternate the batteries.

- Ensure your notebook is off when replacing the battery.

- Store spare battery packs in a cool, dry place, out of direct sunlight.

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Power Management	file:///C:/WINDOWS/TEMP/8-1.htm
Battery	file:///C:/WINDOWS/TEMP/8-2.htm
Managing Your Notebook's Power	file:///C:/WINDOWS/TEMP/8-1-1.html
Power Management Modes	file:///C:/WINDOWS/TEMP/8-1-2.html
Power Options Properties	file:///C:/WINDOWS/TEMP/8-1-3.html
SpeedStep	file:///C:/WINDOWS/TEMP/8-1-4.html
Top	file:///C:/WINDOWS/TEMP/Chapter%208.html
Standby Mode	file:///C:/WINDOWS/TEMP/8-1-2-1.html
Hibernate Mode	file:///C:/WINDOWS/TEMP/8-1-2-2.html
Advanced tab	file:///C:/WINDOWS/TEMP/8-1-3-4.html
Power Schemes Tab	file:///C:/WINDOWS/TEMP/8-1-3-1.html
Alarms Tab	file:///C:/WINDOWS/TEMP/8-1-3-2.html
Power Meter Tab	file:///C:/WINDOWS/TEMP/8-1-3-3.html
Hibernate Tab	file:///C:/WINDOWS/TEMP/8-1-3-5.html
Battery Performance	file:///C:/WINDOWS/TEMP/8-2-1.html
Checking the Battery Charge	file:///C:/WINDOWS/TEMP/8-2-2.html
Power Meter	file:///C:/WINDOWS/TEMP/8-2-3.html
Low-Battery Warning	file:///C:/WINDOWS/TEMP/8-2-4.html
Charging the Battery	file:///C:/WINDOWS/TEMP/8-2-5.html
Removing a Battery	file:///C:/WINDOWS/TEMP/8-2-6.html
Installing a Battery	file:///C:/WINDOWS/TEMP/8-2-7.html
Storing a Battery	file:///C:/WINDOWS/TEMP/8-2-8.html
Working With Extra Battery Packs	file:///C:/WINDOWS/TEMP/8-2-9.html
Maximizing Battery Life	file:///C:/WINDOWS/TEMP/8-2-10.html

Troubleshooting

Troubleshooting

Your Notebook Does Not Respond

If your notebook 'locks' and does not respond to your pressing keys or touching the touch pad, hold the **power button** until the notebook turns off (this may take at least four seconds). Press the **power button** again to restart your notebook. Any unsaved data may be lost when your notebook is not shutdown via Windows.

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A Program Stops Responding

Press and hold the **Ctrl**, **Shift**, **Esc** keys or **Ctrl**, **Alt**, **Delete** keys.

When the **Windows Task Manager** dialog box appears, select the program that is not responding.

Click the **End Task** button.

If you need to restart your notebook, you can do so from the Windows Task Manager window. First close all programs to ensure you do not lose unsaved work, then click Shut Down to reveal a drop-down menu.

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Finding Additional Help

Updates

Microsoft Windows Help

Microsoft Windows Guide

Devices and Programs

CD-ROM, DVD, CD-RW or CD-RW/DVD HELP

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Updates

Documentation updates may be included with your notebook. These describe changes to your notebook or software. **Always** read these updates before consulting any other documentation, as they contain the most up-to-date information.

Readme files, which may be installed on your hard drive or found on CDs, provide last-minute updates about technical changes to your notebook, or advanced technical material intended for experienced users or technicians.

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Microsoft Windows Help

Click **Start -> Help and Support** or, if that option is not available, right click **Start -> Search -> Information in Help and Support**.

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Microsoft Windows Guide

For more information on using the Windows operating system, see the Microsoft Windows documentation that came with your computer.

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Devices and Programs

For help on using your computer's devices (such as a modem) and options you purchase separately from your notebook, refer to the accompanying documentation.

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CD-ROM, DVD, CD-RW or CD-RW/DVD HELP

Depending on the CD-ROM, DVD, CD-RW or CD-RW/DVD Drive installed on your computer, you will be supplied with accompanying software (for example, Easy CD Creator, for writing CDs; WinDVD for playing movies). Refer to the separate documentation appropriate to your configuration.

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Your Notebook Does Not Respond	file:///C:/WINDOWS/TEMP/9-1-1.html
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Updates	file:///C:/WINDOWS/TEMP/9-2-1.html
Microsoft Windows Help	file:///C:/WINDOWS/TEMP/9-2-2.html
Microsoft Windows Guide	file:///C:/WINDOWS/TEMP/9-2-3.html
Devices and Programs	file:///C:/WINDOWS/TEMP/9-2-4.html
CD-ROM, DVD, CD-RW or CD-RW/DVD HELP	file:///C:/WINDOWS/TEMP/9-2-5.html