

# Lenovo IdeaPad S10-2 User Guide v1.0

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P/N: 147002310  
Printed In China

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**ideapad**

**Note**

Before using this information and the product it supports, be sure to read the following:

- Important safety information on page iii.
- Chapter 6. Troubleshooting on page 64.
- Appendix E. Notices on page 108.
- *OneKey Rescue System User Guide* included in the package with this publication.

**lenovo**



**If your product is not working correctly,  
DO NOT RETURN IT TO THE STORE.**

For technical assistance, contact a Lenovo support specialist 24 hours a day by calling toll free **1-877-4 LENOVO (1-877-453-6686)**.

Additionally, you can find support information and updates on the Lenovo Web site located at **<http://consumersupport.lenovo.com>**.

\* Only for the users from the United States.

First Edition (April 2009)

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## Respective Users

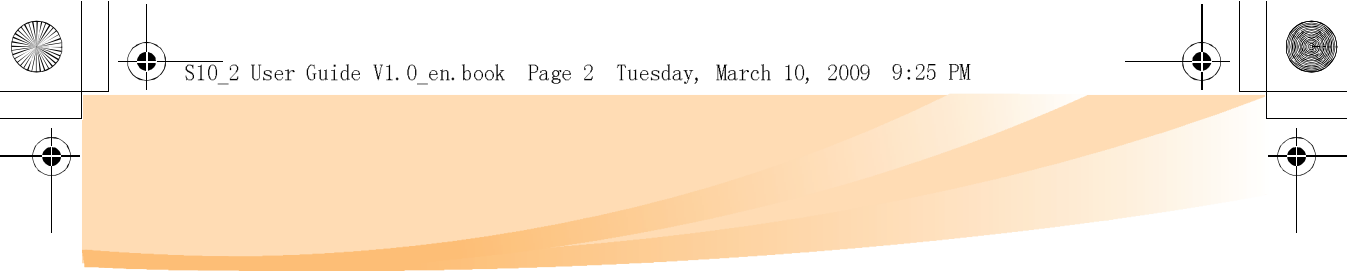
**Dear user,**

**Thanks for purchasing Lenovo notebook! Before using this product, please make sure to read this User Guide carefully.**

We are most honored to have you as our customer. In order to make sure you master the usage of Lenovo notebook soon, we have prepared this User Guide for you. This manual has been made very simple and comprehensive. In this manual, you can get information on the system configuration, installation steps and the basic operating systems. We strongly recommend that in using this product, please be sure to carefully read the manual. It will actually help you make better use of the computer. **(If you did not operate the computer according to the requirements in the manual, Lenovo (Beijing) Co., Ltd. will not assume any responsibility for any losses caused there from.)**

We have done our best to avoid human errors in making sure that the information provided in the manual is accurate and reliable. On the other hand, we cannot completely guarantee that there will not be any mistakes that were not found and checked out before printing.

Please bear with us because there might also be some uncontrolled omissions while printing, binding or distributing.

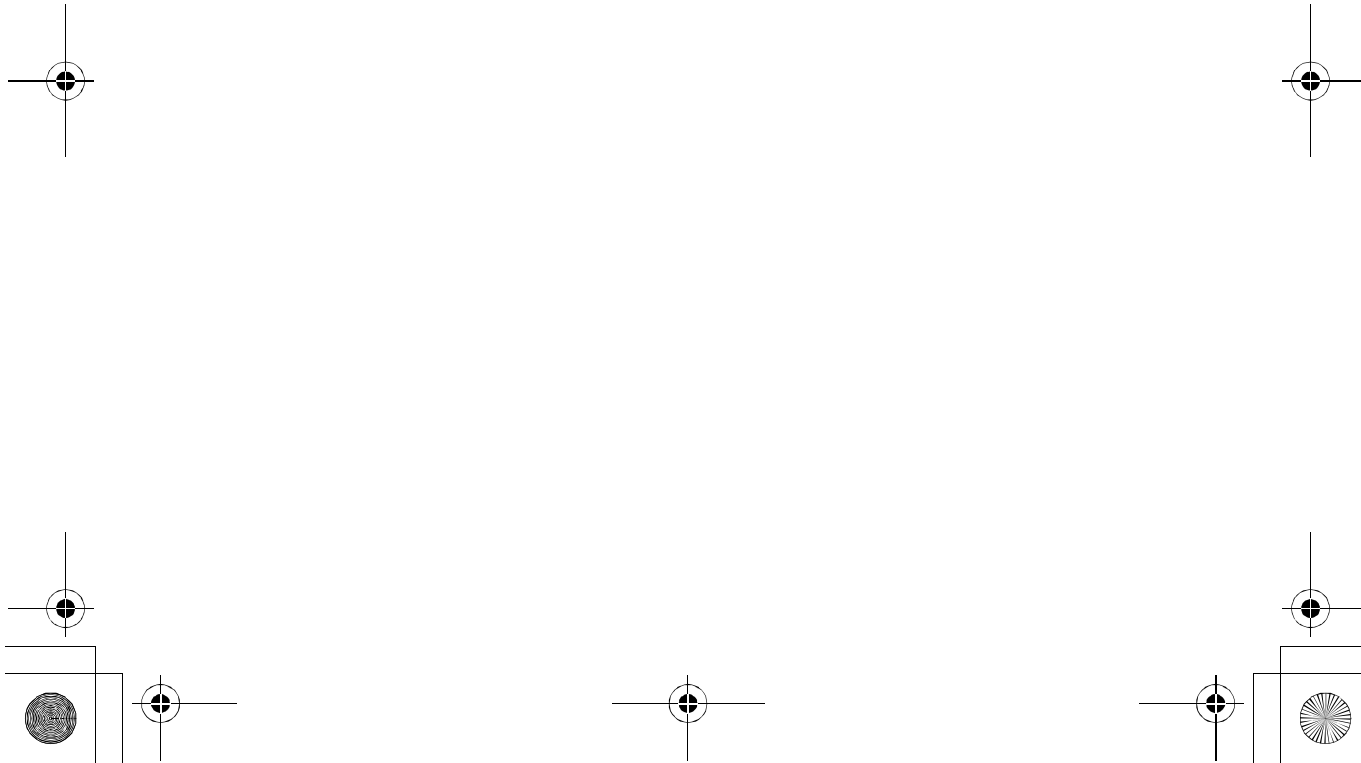


**Because we are trying to improve the full performance and reliability of our equipment, the hardware and software components might need some little adjustment. In this case, this might lead to an inconsistency in the actual make up of the equipment to that of the information stated in the manual, but it will not substantially affect your use. Thanks for your understanding.**

**Thanks for your cooperation!**

**LENOVO (BEIJING) CO., LTD.**

**Address: NO.6, Shangdichuangye Road, Haidian District, Beijing, China**



## Explanation of hard disk capacity

**Dear user,**

**While using your computer, you may find that the nominal hard disk capacity indicated is somewhat different from the disk capacity displayed by the operating system. For example, a nominal 40GB hard disk will appear as less than 40GB in the operating system. This discrepancy is not an error in hard disk installation nor any other problem, but a normal phenomenon of computers. This phenomenon is primarily due to the following reasons:**

### **I. Different standards used by the manufacturer and operating system when calculating hard disk capacity**

Hard disk manufacturers use a radix of 1000, i.e. 1G = 1,000MB, 1MB = 1,000KB, 1KB = 1,000 bytes. However, when identifying hard disk capacity, operating systems use a radix of 1024, i.e. 1GB = 1,024MB, 1MB = 1,024KB, 1KB = 1,024 bytes. The standard adopted by your computer is that of the hard disk manufacturers. Since the standards adopted by the hard disk manufacturer and operating system are different, the hard disk capacity displayed by the operating system will be different from the nominal hard disk capacity.

For example, if the hard disk is nominally X G, even when it is completely empty, the capacity displayed by the operating system will be:

$$X \times 1000 \times 1000 \times 1000 / (1024 \times 1024 \times 1024) \approx X \times 0.931 \text{ G}$$

If a portion of the hard disk space has been used for some specific purpose, then the capacity indicated by the operating system will be even less than  $X \times 0.931$  G.

## II. A portion of the hard disk space is used for specific purposes

Lenovo computers come with preinstalled OneKey Rescue System, so the hard disk has a special portion partitioned before delivery, which is used to store hard disk mirror and OneKey Rescue System program files. The size of the reserved space for this partition varies according to the model, operating system and software of the computer. For the sake of safety, this partition is not apparent, which is commonly referred to as a "hidden partition".

In addition, after the hard disk is partitioned or formatted, the system will assign a certain amount of hard disk space for the system files.

**For the above reasons, the available hard disk space indicated by the operating system is always less than the computer's nominal hard disk capacity.**

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## Important Safety Information

### ■ Important safety information

This information can help you safely use your notebook personal computer. Follow and retain all information included with your computer. The information in this document does not alter the terms of your purchase agreement or the Lenovo Limited Warranty. For more information, see "Appendix C. Lenovo Limited Warranty" on page 93.

#### ■ Read this first

Personal computers are electronic devices. Power cords, power adapters, and other features can create potential safety risks that can result in physical injury or property damage, especially if misused.

The safety risks are categorized as follows:

##### \* **Danger:**

Physical injury or even death may be caused.

##### ⦿ **Attention:**

Property damage or even minor injury may be caused.

To protect yourself from hazards and create a safer computer work environment, follow the instructions hereafter.

## Important Safety Information

### Unpack



Inspect the cover of the computer and the AC adapter, especially the parts with the following label attached for any crack or damage.



**\* Danger:**

- Hazardous voltage, current, and energy levels are present inside any component that has this label attached.

## Important Safety Information

### Working place



Do NOT use the computer in humid places such as a bathroom.  
Keep the computer and other parts away from liquids.

**\* Danger:**

- An electric shock may be caused by spilled liquid.



Do NOT use the computer during a lightning storm.

**o Attention:**

- Lightning storm may damage the computer and result in an electric shock.



Keep a good ventilation of the computer and other parts.

**\* Danger:**

- Placing the working computer or other parts on a bed, sofa or other flexible surface may block the ventilation slots causing overheating of your computer or other parts to overheat or even catch a fire.



Turn off wireless devices where they may cause interference, such as in a hospital or airport.

## Important Safety Information

### On using



Use **ONLY** the power cord, power adapter and battery pack shipped with the computer and never use them with another product.

Be sure the power outlet is suitable for the plug and provides the correct voltage and current for the product you are installing.

**\* Danger:**

- An Unsuitable power supply may damage your computer or cause an electric shock or fire.



Do **NOT** use a power outlet, power cord, power adapter or battery pack that appears to be damaged or corroded



Do **NOT** share an electrical outlet with other home or commercial appliances that draw large amounts of electricity.

If power strips are used, the load should **NOT** exceed the power strip. Unplug the power cord if there is a cracking, hissing, or a popping sound, or a strong odor comes from the computer.

**\* Danger:**

- Overloading the power supply may cause unstable voltages which might damage the computer, data, or attached devices, or even cause a fire.

## Important Safety Information



Do NOT wrap a power cord around a power adapter or other object.  
Do NOT squeeze or pinch the cord, or place heavy objects on it.

○ **Attention:**

- Stressing the cord may cause the cord to fray, crack or crimp which may present a safety hazard.



Avoid keeping your hands, your lap, or any other part of your body in contact with a hot section of the working computer for any extended length of time.

○ **Attention:**

- Extended contact with your body, even through clothing, could cause discomfort or even a skin burn.



Do not drop, bump, scratch, hit or place heavy objects on the liquid crystal display (LCD) of your computer.

○ **Attention:**

- Direct contact of liquid crystal material from a broken LCD is hazardous; contact occurs, rinse with large amount of running water for more than 15 minutes.

## Important Safety Information

### Service and upgrades



Do NOT attempt to service a product yourself unless instructed to do so by the Customer Support Center or your documentation.

ⓘ **Attention:**

- DO NOT take risks or attempt to diagnose the situation yourself. Contact the Customer Support Center for further guidance. For a list of Service and Support phone numbers, see <http://consumersupport.lenovo.com>.

Lenovo provides documentation with instructions when it is appropriate for customers to install options or replace units (CRUs). Closely follow all instructions when installing or replacing parts.

Disconnect the attached power cords, battery pack, and all the cables before you open the device covers, unless instructed otherwise in the installation and configuration procedures.

Keep the cover closed whenever the computer is plugged in.



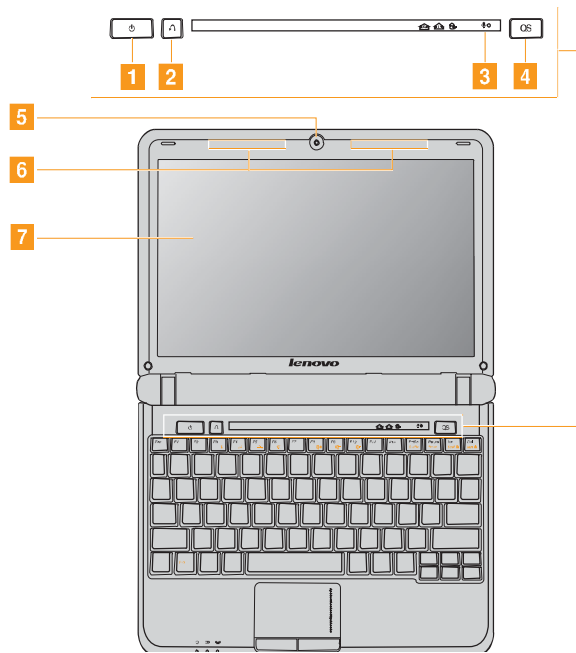
Do NOT remove the cover of CD/DVD drive, power adapter, battery pack or other unserviceable parts.

\* **Danger:**

- Open the cover of CD/DVD drive or power adapter may result in an electric shock, laser radiation or even an explosion.

## Chapter 1. Getting to Know Your Computer

### ■ ■ Top view



**Note:** The illustrations in this manual may differ from the actual product. Please refer to the actual product.

## Chapter 1. Getting to Know Your Computer

- 1 Power button** Press this button to turn the computer on/off or to preset status.
- 2 OneKey Rescue System button** Press this button to open **OneKey Rescue System**, which returns the computer to a backup-point.

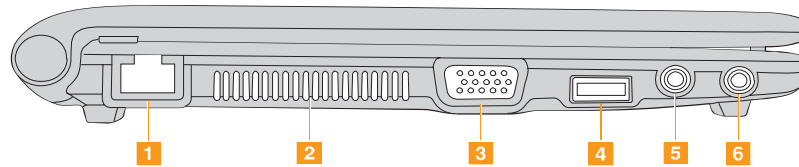
**Note:** For details see "Chapter 5. OneKey Rescue System" on page 50.

- 3 Built-in array microphone** The built-in microphone (with noise reduction) can be used for video conferencing, voice narration, or simple audio recordings.
- 4 Quick Start button** Press this button to enter the **QS** interface when the computer is powered-off.
- 5 Integrated camera** Use the camera for video communication.
- 6 Wireless LAN antennas** The built-in antennas ensures an optimal reception of wireless communication radio.
- 7 Computer display** The LCD display screen provides a brilliance visual output.
- 8 System status indicators** For details see "System status indicators" on page 22



## Chapter 1. Getting to Know Your Computer

### ■ Left-side view



- 1 RJ-45 port** Connect the AC adapter to the computer here.

**Note:** For details see "Ethernet connection" on page 42.

- 2 Fan louvers** Ensure a straightway heat emanation.

**Note:** Make sure that none of the fan louvers are blocked, otherwise, overheating of the computer may occur.

- 3 VGA port** Connect with VGA port display.

- 4 USB port** Connect with USB port device.

**Note:** For details see "Connecting a Universal Serial Bus (USB) Device" on page 26.

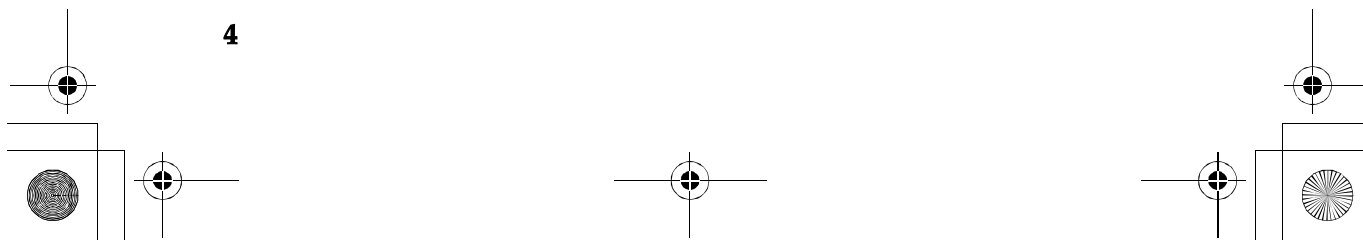
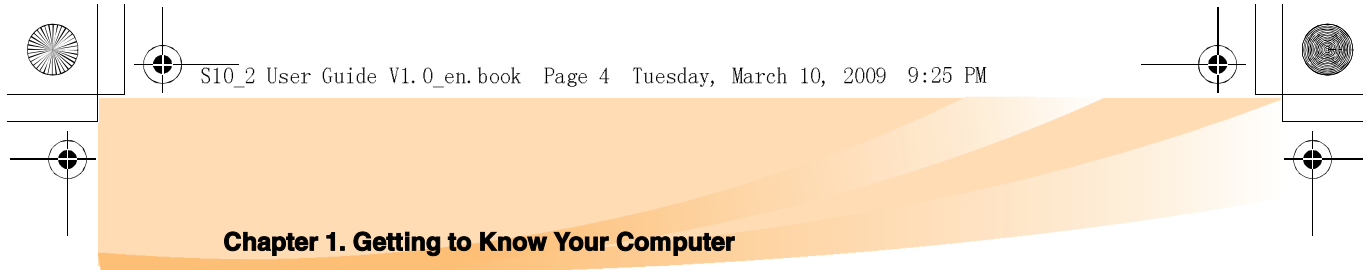
- 5 Microphone jack (external)** Connect to external microphone devices.

**Note:** For details see "Using memory cards" on page 25.

## Chapter 1. Getting to Know Your Computer

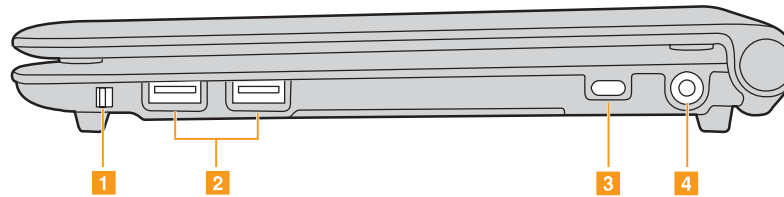
- 6 Headphone jack (external)** Connect to external headphone devices.

**Note:** Listening to music at high volume over extended periods of time may damage your hearing.



## Chapter 1. Getting to Know Your Computer

### ■ ■ Right-side view



**1 Integrated wireless device switch**

Use this switch to turn on/off the wireless radio of all the wireless devices on your computer.

**2 USB port**

Connect with USB port device.

**Note:** For details see “Connecting a Universal Serial Bus (USB) Device” on page 26.

**3 Security keyhole** Connect to a security lock (not supplied).

**Note:** For details see “Attaching a security lock (optional)” on page 22.

**4 AC power adapter jack**

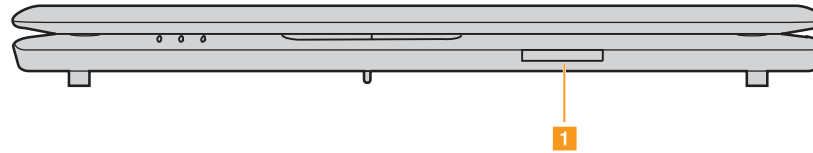
Connect the AC adapter to the computer here.

**Note:** For details see “Using AC adapter and battery” on page 13.

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## Chapter 1. Getting to Know Your Computer

### 1 Front view



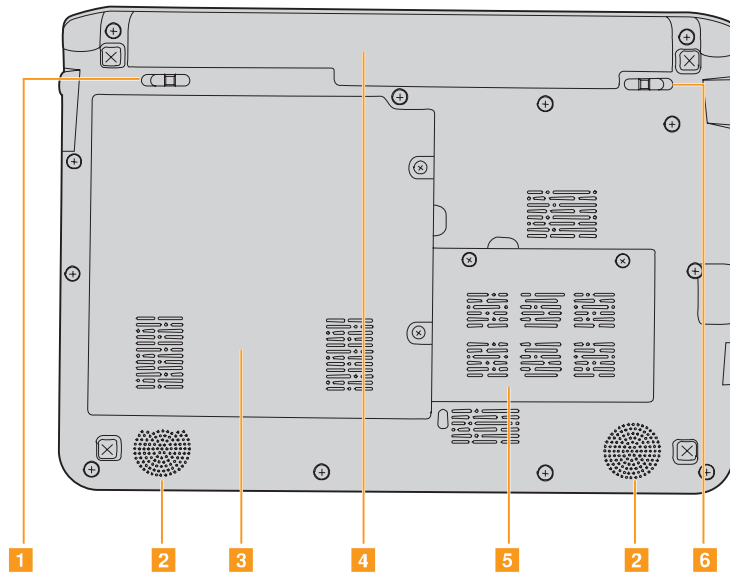
**1 Card reader slot** Insert memory cards here.

**Note:** For details see "Using memory cards" on page 25.

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## Chapter 1. Getting to Know Your Computer

### Bottom view



## Chapter 1. Getting to Know Your Computer

- 1 Battery latch - manual** The manual battery latch is used to keep the battery pack secured in place.
- 2 Speakers** The stereo speakers provide rich and powerful sound.
- 3 Wireless LAN/ Hard Disk Drive(HDD)** Wireless LAN card and HDD are secured in the compartment.
- 4 Battery pack** For details see "Using AC adapter and battery" on page 13
- 5 Memory (RAM)** RAM is secured in the compartment.
- 6 Battery latch - spring loaded** The spring-loaded battery latch keeps the battery pack secured in place.

## Chapter 2. Learning the Basics

### ■ First use

#### ■ Read the manuals

Read the supplied manuals before handling your computer.

#### ■ Connect to the power

The power to run your computer comes either from the battery pack or from AC power through the AC adapter. When you cannot use the AC adapter to power your computer, you may use battery power to keep your computer running. Connect your computer with the supplied battery pack and AC adapter.

##### To install the battery pack


Refer the supplied Setup Poster to install the battery pack.

##### To connect the computer with AC adapter

- 1 Connect the power cord to the transformer pack.
- 2 Connect the AC adapter to the AC power adapter jack of the computer.
- 3 Plug the power cord into an electrical outlet.

## Chapter 2. Learning the Basics

### ■ Turn on the computer

Press the  to turn on the computer.

### ■ Configure the operating system

You need to configure the operation system when it is first used. The configure process may including the steps below.

- Accept the End User License Agreement
- Enable/disable the update
- Enter the computer name and description
- Internet connection
- Register the Windows
- Configure the user's account



## Chapter 2. Learning the Basics

### ■ Putting your computer to standby or shutting it down

When you finish working with your computer, you can put it to standby or shut it down.

#### ■ Putting your computer to standby

If you will be away from your computer for only a short time, put the computer to standby.

When the computer is in standby state, you can quickly wake it to resume use, and bypass the startup process.

To put the computer to standby, do one of the following.

- Click **start** and select **Stand By** from the **Turn Off Computer**.
- Press **Fn + F4**.

#### ➤ **Warning:**

Wait until the power indicator light starts blinking (indicating that the computer is in standby state) before you move your computer. Moving your computer while the hard disk is spinning can damage the hard disk, causing loss of data.

To wake the computer, do one of the following.

- Press the power button.
- Press any key.

## Chapter 2. Learning the Basics

### ■ Putting your computer to hibernation

When putting your computer into hibernation mode, all the status information is written to the hibernation file which is saved to the hard disk before the computer is shut down.

When you turn your computer back on, the status, including running applications and memory contents are restored to RAM and you return to where you were before the computer was put into hibernation mode.

You may set the way to enter hibernation mode in the **Power Options of Control Panel**.

#### Notes:

- You must enable hibernation in **Power Options** before you use it.
- When Hibernation is enabled some hard disk space is used to save the hibernation file.
- The computer is powered-off in hibernation mode.

### ■ Shutting down your computer

If you are not going to use your computer for a day or two, shut it down. To shut down your computer, click **start** and select **Turn Off** from the **Turn Off Computer** menu.

## Chapter 2. Learning the Basics

### ■ Using AC adapter and battery

#### ■ Checking battery status

You can determine the percentage of battery power remaining by using Windows **Power Options**.

**Note:** As each computer user has different habits and needs, it is difficult to predict how long a battery charge will last. There are two main factors:

- The amount of energy stored in the battery when you commence work.
- The way you use your computer: for example, how often you access the hard disk drive and how bright you make the computer display.

#### ■ Charging the battery

When you check the battery status and find that the battery is low, you need to charge the battery or replace it with a charged battery.

The battery is charged when AC adapter is connected to the computer and the battery is installed.

Charging time will depend on the usage environment.

You need to charge the battery in any of the following situations:

- When you purchase a new battery
- If the battery status indicator starts blinking
- If the battery has not been used for a long time

## Chapter 2. Learning the Basics

**Note:** Before you charge the battery, make sure that its temperature is at least 10°C (50°F).

### ■ Handling the battery

**Notes:**

- Do not disassemble or modify the battery pack, otherwise, it can cause an explosion or liquid leakage.
- A battery pack other than the one specified by Lenovo, or a disassembled or modified battery pack is not covered by the warranty.
- Do not put the battery pack in trash that is disposed of in landfills. When disposing of the battery, comply with local ordinances or regulations and your company's safety standards.

If the rechargeable battery pack is incorrectly replaced, there may be danger of an explosion. The battery pack contains a small amount of harmful substances. To avoid possible injury, to pay attention to the following points.

**Notes:**

- Replace only with a battery of the type recommended by Lenovo.
- Keep the battery pack away from fire.
- Do not expose the battery pack to water or rain.
- Do not attempt to disassemble the battery pack.
- Do not short-circuit the battery pack.
- Keep the battery pack away from children.

## Chapter 2. Learning the Basics

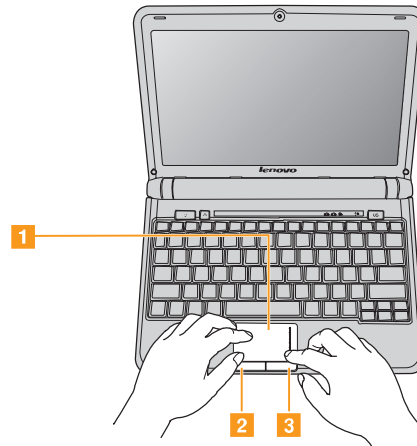
### ■ Setting the Power Options

In order to have your computer working in an effective and power-saving way, you need to set the power options, especially when the computer is powered by the battery pack.

You can select a power schemes in the **Power Options in Control Panel**.

## Chapter 2. Learning the Basics

### ■ ■ Using the touch pad



**1 Touch pad**

To move the cursor on the screen, slide your fingertip over the pad in the direction in which you want the cursor to move.

**2 Left click button**

The function corresponds to those of the left mouse button on a conventional mouse.

**3 Right click button**

The function corresponds to those of the right mouse button on a conventional mouse.

**Note:** You can enable/disable the touch pad using **Fn+F5**.

## Chapter 2. Learning the Basics

### ■ Using the keyboard

Your computer has a numeric keypad and function keys incorporated in the standard keyboard.

#### ■ Numeric keypad

The keyboard has keys that, when enabled, work as a 10-key numeric keypad.

To enable or disable the numeric keypad, press **Fn+DEL**.

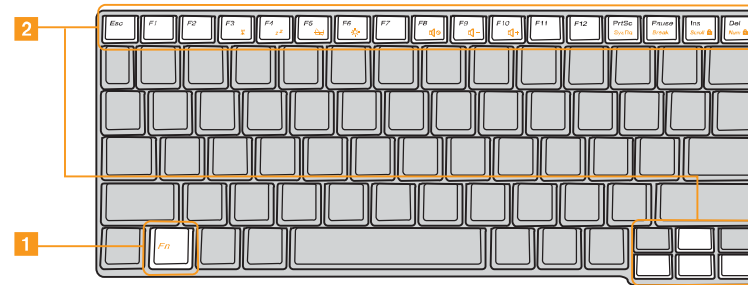


**Note:** The illustrations in this manual may differ from the actual product. Please refer to the actual product.

## Chapter 2. Learning the Basics

### ■ Function key combinations

Through the use of the function keys, you can change operational features instantly. To use this function, press and hold **Fn** **1**; then press one of the function keys **2**.





## Chapter 2. Learning the Basics

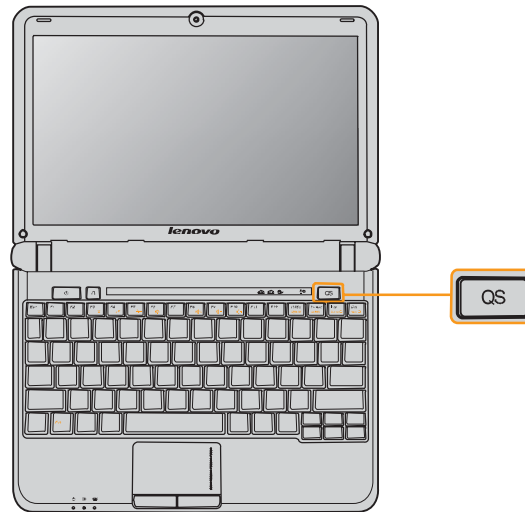
The following describes the features of each function key.

<b>Fn + F4:</b>	Enter Stand by mode.
<b>Fn + F6:</b>	Decrease display brightness.
<b>Fn + F3:</b>	Open the interface for integrated wireless devices settings (enable/disable).
<b>Fn + F5:</b>	Enable/disable the touch pad.
<b>Fn + F7:</b>	Increase display brightness.
<b>Fn + F8:</b>	Enable/disable mute.
<b>Fn + F9:</b>	Decrease sound volume.
<b>Fn + F10:</b>	Increase display brightness.
<b>Fn + F11:</b>	Enter hibernation mode.
<b>Fn + Ins</b>	Enable/disable the Scroll Lock.
<b>Fn + Del</b>	Enable/disable the Numeric keypad.

## Chapter 2. Learning the Basics

### Special button

#### Quick Start button



## Chapter 2. Learning the Basics

### Quick Start button

- When the computer is powered-off, press this button to open the QS interface.

**Note:** For details see "Using Lenovo Quick Start" on page 29.




- In Windows, press this button to launch a self-defined program, file or a Website.

**Note:** To re-define the Quick Start button select **Self-defined program setting** in **start- All Programs-Lenovo-Energy Management**.

## Chapter 2. Learning the Basics

### ■ System status indicators

These indicators inform you of the computer status.

- Power Indicator 
- Battery Status Indicator 
- Wireless/Bluetooth Indicator 

### ■ Securing your computer

This section provides information about how to help protect your computer from theft and unauthorized use.

#### ■ Attaching a security lock (optional)

You can attach a security lock to your computer to help prevent it from being removed without your permission.

Attach a security lock to the keyhole of the computer; then secure the chain on the lock to a stationary object. Refer to the instructions shipped with the security lock.

Refer to the "Right-side view" on page 5 for the location of the security keyhole.

## Chapter 2. Learning the Basics

### Notes:

- Before purchasing any security product, verify that it is compatible with this type of security keyhole.
- You are responsible for evaluating, selecting, and implementing the locking devices and security features. Lenovo makes no comments, judgements, or warranties about the function, quality, or performance of locking devices and security features.

### ■ Using VeriFace™

VeriFace is a face recognition software which takes a digital snapshot, extracts key features of your face, and creates a digital map that becomes the system's "password".

**Note:** The face registration and verification works best in an environment with steady and even light.

For more instructions on VeriFace, see the help file on your software.

### ■ Using passwords

Using passwords helps prevent your computer from being used by others. Once you set a password and enable it, a prompt appears on the screen each time you power on the computer. Enter your password at the prompt. The computer cannot be used unless you enter the correct password.

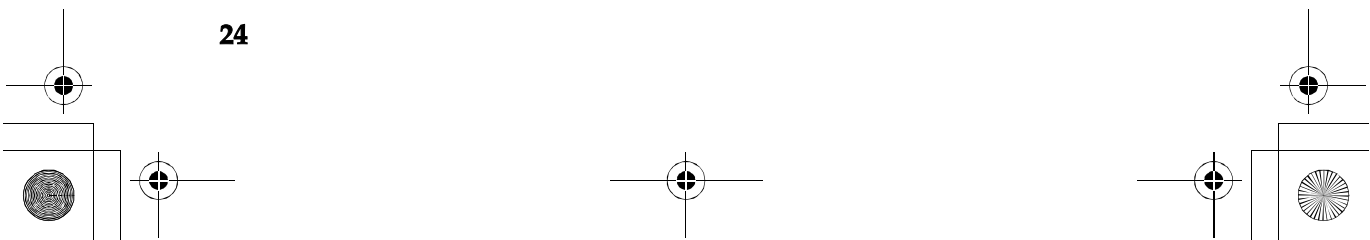
Make sure that only authorized individuals access your computer. Establishing different kinds of passwords requires that other possible users know the proper passwords in order to access your computer or your data.

## Chapter 2. Learning the Basics

This password can be from one to seven alphanumeric characters in any combination.

For details about how to set the password, see the help to the right of the screen in BIOS setup utility.

**Note:** To enter BIOS setup utility, press **F2** when starting up your computer.



## Chapter 2. Learning the Basics

### ■ Using external devices

Your computer has many built-in features and connection capabilities.

**Note:** Do not connect or disconnect any external device cables other than USB while the computer power is on; otherwise, you might damage your computer. To avoid possible damage to attached devices, wait at least five seconds after the computer is shut down to disconnect external devices.

### ■ Using memory cards

Use **ONLY** the following memory cards with the Multi media Card reader. For more information on usage, read the instructions shipped with the memory card.

- Secure Digital (SD)
- MultiMediaCard (MMC)
- Memory Stick (MS)
- Memory Stick PRO (MS PRO)

**Notes:**


- Insert **ONLY** one card in the slot at a time.
- This card reader does not support SDIO devices (e.g. SDIO Bluetooth, etc.).

## Chapter 2. Learning the Basics

### ■ Connecting a Universal Serial Bus (USB) Device

Your computer comes with USB ports compatible with USB devices such as a keyboard, mouse, camera, hard disk drive, printer and scanner.

#### Notes:

- When you attach a USB cable to the port, make sure that the USB mark  is to the upper side, otherwise the port might be damaged.
- When using a high power consumption USB device such as USB ODD, use external device power adapter. Otherwise, the device may not be recognized, or system shut down may result.

### ■ Connecting a *Bluetooth* device (specific models only)

If your computer has an integrated *Bluetooth* adapter card, it can connect to and transfer data wirelessly to other *Bluetooth* enabled devices, such as laptop computers, PDAs and cell phones. You can transfer data between these devices without cables and up to 10 meters range in open space.

#### Enabling *Bluetooth* communications

- 1 Slide the integrated wireless device switch open.
- 2 Press Fn + F3 to make configuration.

**Note:** When you do not need to use the *Bluetooth* function, turn it off to save battery power.



## Chapter 2. Learning the Basics

### Pairing wireless device

- 1 Enable the *Bluetooth* function of the wireless device that need to connect to the computer.
- 2 Open the **Bluetooth Devices** in the **Control Panel**, click **Add Wireless Device**, select the wireless device you need to connect and click **NEXT**.
- 3 Select a pairing option, and pairing the device with pairing code or without pairing code.
- 4 Pairing succeed. Files can be transferred between the device and computer.

#### Notes:

- If you pair the *Bluetooth* connection from the wireless device, Open **Bluetooth File Transfer Wizard** from **Accessories** of the **Start** menu and then click **Receive a file** to let other device searched the computer.
- For details on Pairing wireless device, please refer to the instructions shipped with the devices that you have purchased separately.

### To send files from the computer to the paired wireless device

- 1 Open **Bluetooth File Transfer Wizard** from **Accessories** of the **Start** menu.
- 2 Click **Send a file**, select the wireless device where you want to save the file and click **NEXT**.
- 3 Select the file and send it.

## Chapter 2. Learning the Basics

### To receive files from the paired wireless device to the computer

Refer to the instructions shipped with the wireless devices to send files to the computer.

The files are saved in **Bluetooth Exchange Folder**.

**Note:** You can change the path of **Bluetooth Exchange Folder** in **Control Panel** → **Bluetooth Devices** → **Bluetooth Settings** → **Share**.

## Chapter 2. Learning the Basics

### ■ Using Lenovo Quick Start

With a fast boot in a few second, Lenovo Quick Start offers a handy environment that allows you to enjoy an instant access to functions like web browsing, instant messaging and other entertainment functions without entering the traditional OS.

#### ■ To enter the QS interface

Press the QS button when the computer is powered-off.

#### Web

A full-featured World Wide Web browser, optimized to give you a great Internet experience instantly.

## Chapter 2. Learning the Basics

### Music

Allows you to play music in the MP3 format, using all of the standard playback and navigation controls, and create Playlists of your songs.

### Online Games

Online Games provides a wide variety of games and amusements including a game search function.

### Photo

An image viewer which lets you arrange your photos into albums and display them in different view modes.

### Chat

Starts the Chat instant messaging tool, which lets you use your existing accounts in various IM programs such as AIM, Google Talk, MSN Messenger, Yahoo Messenger, and others, to chat with your friends and set a wide variety of preferences as desired.

### Skype

Starts Skype, communicate free-of-charge with other Skype users. Also, offers affordable, high quality long-distance phone calls to land lines.

### Share Your Ideas

Use this function to access a list of shortcuts to some of the most popular "social network" on-line communities and services.

**Note:** If the applications above stops responding, right-click the icon and select close to stop it.

### ■ To exit the QS interface

- Click the ## to exit the QS interface to main operating system.
- Click the ## to turn off the computer.

## Chapter 3. Upgrading and Replacing Devices

### ■ Replacing the battery

**Note:** Use only the battery specified in the parts list for your computer. Any other battery could ignite or explode.

#### ■ To replace the battery

- 1 Turn off the computer, or enter hibernation mode. Then disconnect the AC adapter and all cables from the computer.

**Note:** If you are using a PC Card, the computer might not be able to enter hibernation mode. If this happens, turn off the computer.

- 2 Close the computer display, and turn the computer over.

### Chapter 3. Upgrading and Replacing Devices

- 3 Unlock the manual battery latch **1**. Hold provides the spring-loaded battery latch in the unlocked position **2**, remove the battery pack in the direction shown by arrow **3**.

- 4 Install a fully charged battery.
- 5 Slide the manual battery latch to the locked position.
- 6 Turn the computer over again. Connect the AC adapter and the cables to the computer again.

## Chapter 3. Upgrading and Replacing Devices

### ■ Upgrading the hard disk drive

You can increase the storage capacity of your computer by replacing the hard disk drive with one of greater capacity. You can purchase a new hard disk drive from your reseller or Lenovo marketing representative.

**Notes:**

- Replace the hard disk drive only if you upgrade it or have it repaired. The connectors and bay of the hard disk drive were not designed for frequent changes, or drive swapping.
- The preinstalled softwares are not included on an optional hard disk drive.

**Handling a hard disk drive**

- Do not drop the drive or subject it to physical shocks. Put the drive on a material, such as soft cloth, that absorbs the physical shock.
- Do not apply pressure to the cover of the drive.
- Do not touch the connector.

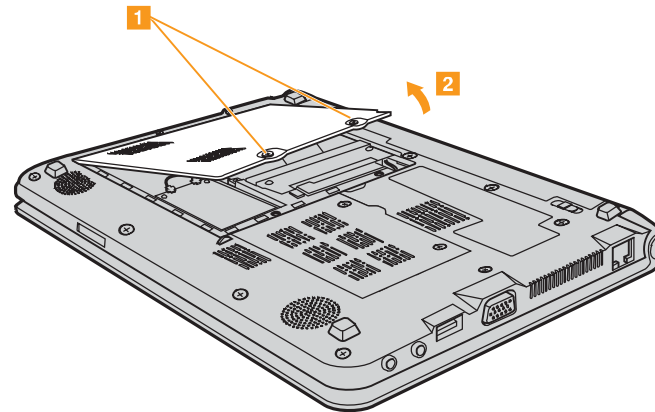
The drive is very sensitive. Incorrect handling can cause damage and permanent loss of data on the hard disk. Before removing the hard disk drive, make a backup copy of all the information on the hard disk, and then turn the computer off. Never remove the drive while the system is operating, in sleep mode, or in hibernation mode.



### Chapter 3. Upgrading and Replacing Devices

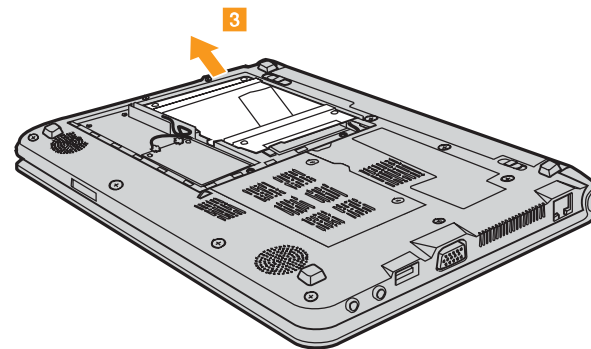
To replace the hard disk drive, do the following:

- ❶ Turn off the computer; then disconnect the AC adapter and all cables from the computer.
- ❷ Close the computer display, and then turn the computer over.
- ❸ Remove the battery pack.
- ❹ Remove the screws that secure the Wireless LAN/Hard Disk Drive(HDD) compartment cover ❶.
- ❺ Remove the cover ❷.



### Chapter 3. Upgrading and Replacing Devices

- 6 Pull the tab in the direction shown by arrow 3.



- 7 Take out the hard disk drive secured in a metal frame 4.

