

kogan

Agora-Laptop

USER MANUAL



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Overview

About this book

This book provides you the main information about various components in your Notebook and demonstrates how to use them. The following are the major chapters of this book.

Chapter title	Description
Overview	Introduction to this book
Getting started	Information about beginning to use your Notebook
Touring your Notebook	Introduction to the hardware components of your notebook
Using your Notebook	Basic and advanced information about operating your Notebook
Using BIOS setup	Information about how to use the BIOS setup utility
Replacing the memory	Information about how to replace RAM memory

FAQ and troubleshooting	Information about frequently asked questions and troubleshooting
Cleaning and battery maintenance	Information about cleaning and battery maintenance
Appendix	Important safety information

Typography

The usage of notes, tips, and warnings in this manual is specifically for different purposes, which are described as follows:

Icon/ Symbol	Item	Meaning
	Warning	Information mainly to prevent the damage to components, data, or personal injury caused by misuse and improper operation or behavior.
	Tip	Useful information for completing a task.
	Note	Supplementary information.
< > or []	Keys on the keyboard; User Interface (UI) on the screen	Indicates a key on the keyboard, or the UI on the screen. Do not actually type the symbols together with the enclosed letters.

When you first set up your Notebook, you may want to find more information on setups. Refer to the user manual that is supplied with your operating system, or search from **Help and Support** in the **Start** menu in Windows Operating system .

Getting started



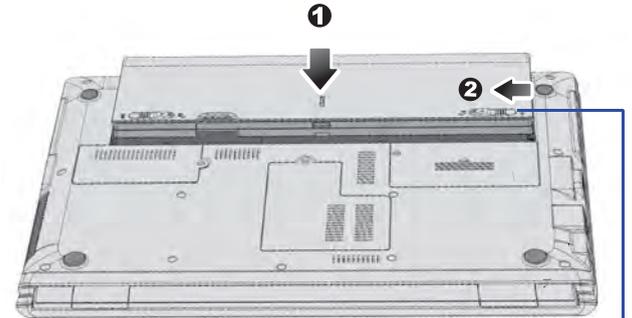
Depending on the model of your Notebook, the appearance may be different from the illustrations shown in this manual.

Package contents

Before using your Notebook for the first time, please check if you have all the items with you. For details about what should be included in the package, refer to the Product Specification label on the product carton. If any of the items are missing or appear damaged, contact your dealer immediately. Save the packaging in case you need to ship your Notebook for service.

Getting your Notebook ready for use

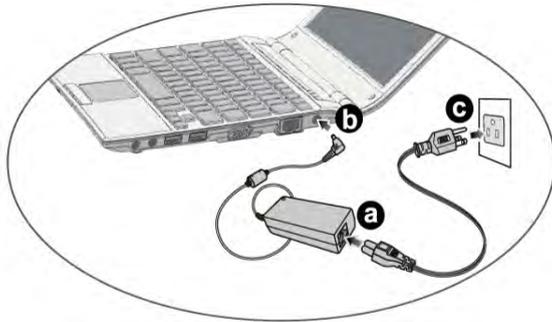
1. Installing the battery pack



Battery retainer B

Close the lid of your Notebook (if open). Turn your Notebook upside down and place it on a soft clean cloth. With the label side of the battery pack facing down, slide it gently into the battery compartment until it snaps into place (1). Move “Battery retainer B” to the left as shown to lock the battery pack into place (2).

2. Connecting the power



- a. Connect the power cord to the power adapter.
- b. Connect the power adapter to the power jack on your Notebook .
- c. Connect the power cord to a power outlet. The Notebook will automatically start charging the battery.



- The battery pack is shipped with low charge from the factory. You can still use your Notebook while the battery is charging.
- Power systems and plug types may vary depending on your country/region.
- For details about the colors and meanings of the indicators, refer to "Indicators" on [page 15](#).

3. Opening your Notebook



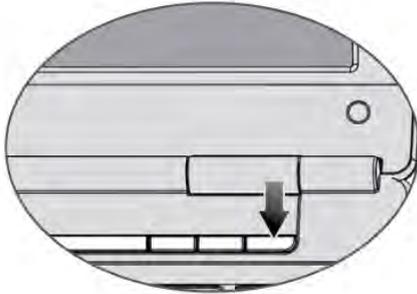
Gently lift up the latchless lid that allows you to open the case easily.

4. Performing initial setup



Press the Power button to start up your Notebook, the Power button indicator then lights up in white. And then follow the

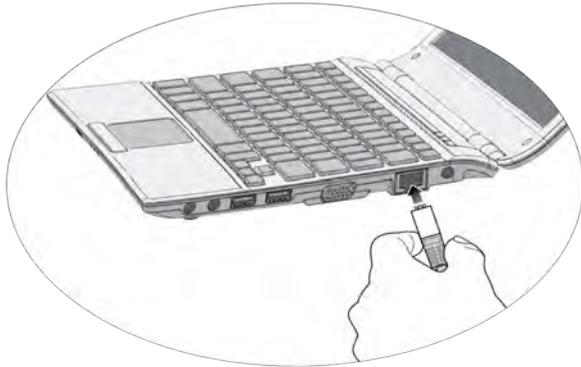
on-screen instructions to complete the initial Operating system setup.



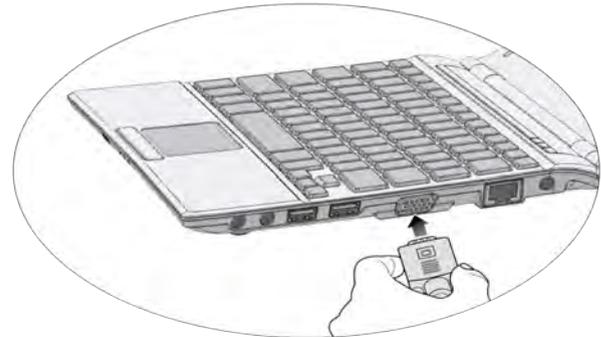
- The actual operating system that comes with your Notebook may vary. For details, refer to the Product Specification label on the product carton.
-

Expanding the capabilities of your Notebook

 Pay attention to the plug direction when making the following connections. Incorrect direction may cause damage to the device.



Access local area network (LAN) by connecting a network cable to the LAN port of your Notebook.

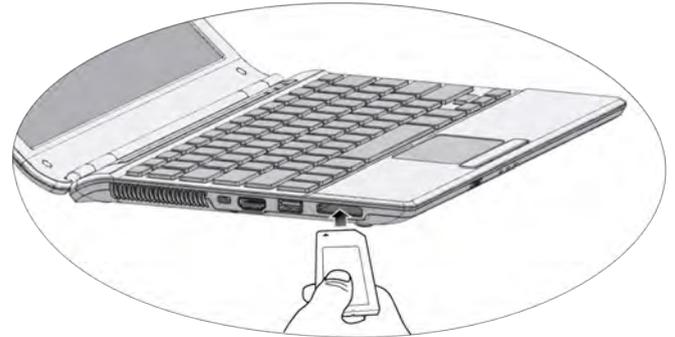


Connect an external display device (such as a monitor or projector) to the 15-pin D-sub video jack of your Notebook with a VGA cable.

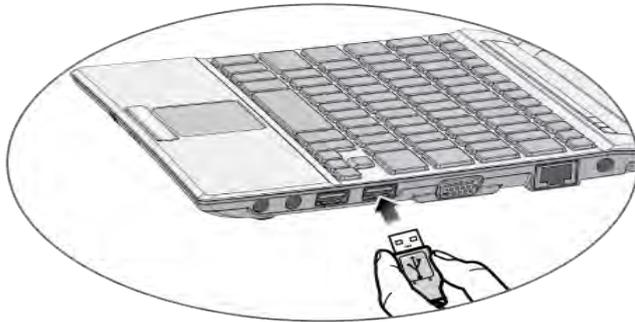
 To switch to the external display device or simultaneous display, press the <Fn> + <F7> hotkey combination.



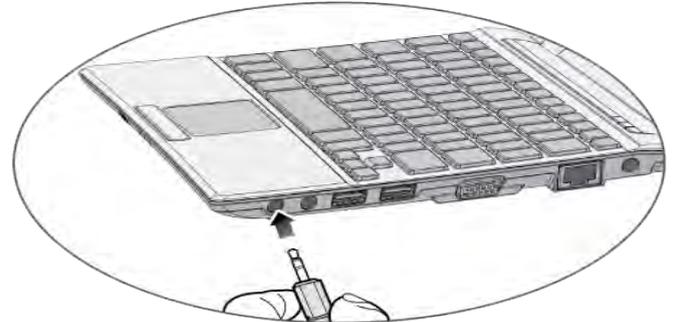
Connect HDMI peripherals to the HDMI ports of your Notebook.



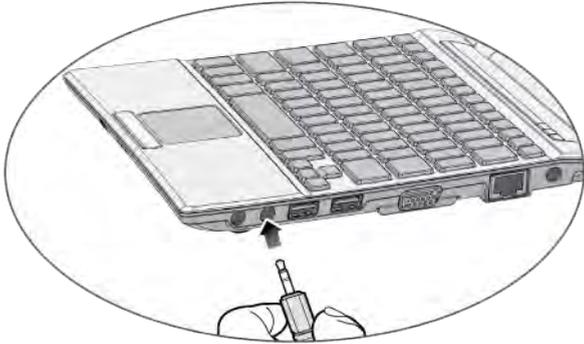
Insert a SD or MMC memory card following the direction indicated on the card to exchange files.



Connect USB peripherals to the USB ports of your Notebook.



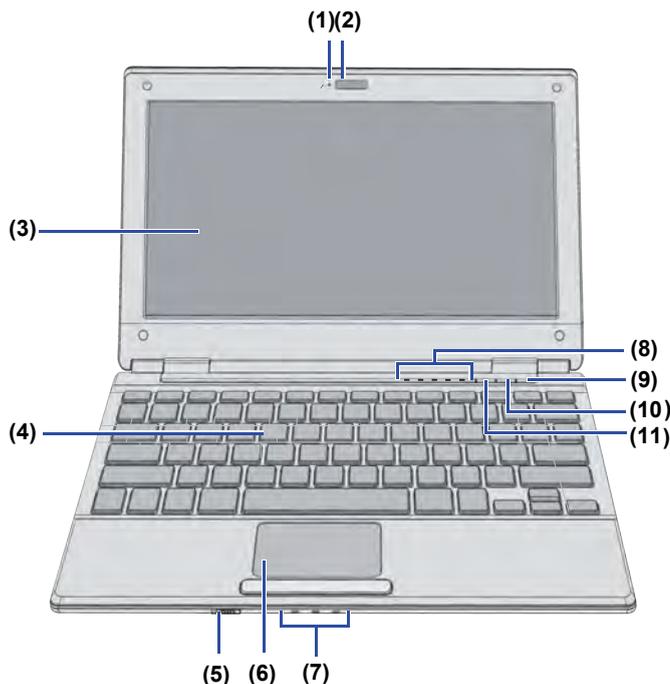
Connect a microphone to the microphone input jack to record sounds.



Connect an earphone to the audio output jack to output sounds.

Touring your Notebook

Front view



No. Front components

- (1) **Built-in microphone**
Receives sounds and voices for recording.

- (2) **Built-in webcam**
A built-in 1.3 megapixel webcam that allows you to capture still images, record videos, and chat online.

- (3) **LED BL panel**

- (4) **Keyboard**

- (5) **Offline mode switch**
Turn on/off your notebook network.

- (6) **Touchpad**
Refer to "[Using the touchpad](#)" on page 16 for details.

- (7) **(HDD,Battery,Power) Indicators**
Refer to "[Indicators](#)" on page 15 for details.

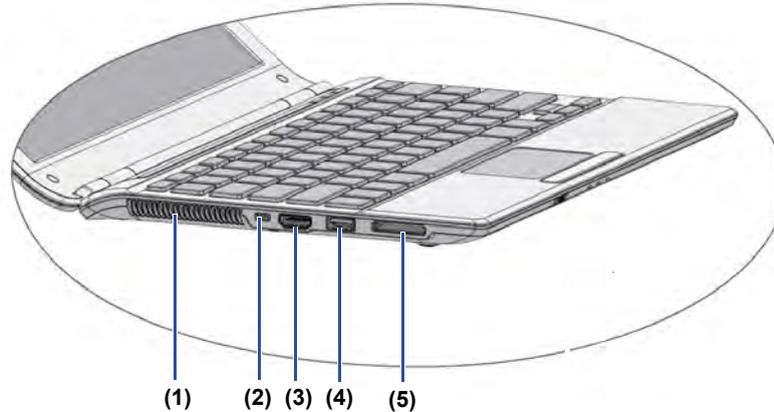
(8) Indicators
Refer to "[Indicators](#)" on page 15 for details.

(9)  Power button
Turns your Notebook on or off.

(10)  Wireless LAN (WLAN) button
Refer to "[Indicators](#)" on page 15 for details.

(11)  E-mail button
Open your default e-mail program.

Left side view



No. Left-side components

(1) Vents

Dissipate heat and keep your Notebook at an optimal temperature.

 To prevent overheating, do not obstruct the vents. For example, do not use the Notebook in bed where a blanket may inadvertently cover the vents and block the airflow.

(2) Kensington lock slot

Secure your computer to an object by connecting a Kensington cable lock to this slot.

(3) HDMI port

Connects an optional video or audio device, such as a high-definition television, or any compatible digital or audio component.

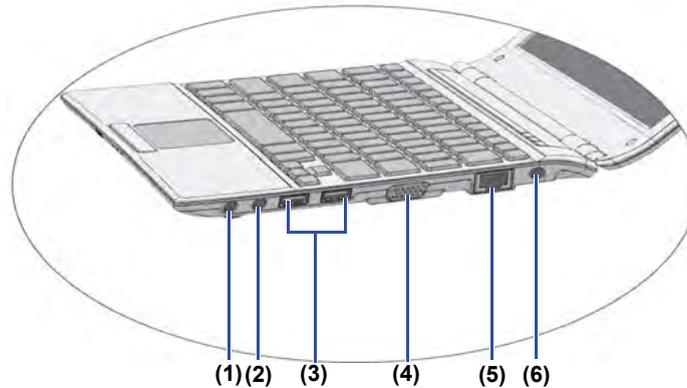
(4) USB port

Connects peripherals such as mice, digital cameras and MP3 players that use the USB 2.0 interface.

(5) Four-in-One memory card slot

Support the following optional digital card formats: Secure digital (SD) memory card, MultiMediaCard (MMC), Memory Stick (MS), Memory Stick Pro (MSP).

Right side view



No. Right-side components

(1)  **Microphone input jack**

Connects to a microphone for recording sounds.

 This jack is for 3.5mm analog audio plugs. It accepts both mono and stereo plugs.

(2)  **Audio output jack**

Connects to an earphone/headset or external speaker for playing the Notebook audio.

(3)  **USB port**

Connects peripherals such as mice, digital cameras and MP3 players that use the USB 2.0 interface.

(4)  **15-pin D-sub video jack**
monitors and projectors.

(5)  **LAN (Local Area Network) port (RJ-45 connector)**

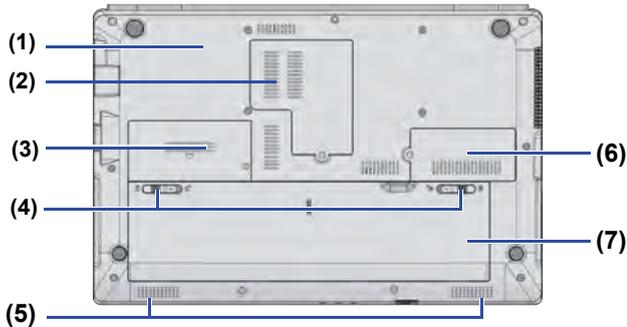
fast Ethernet 100BASE-T network.

 Please be careful to avoid plugging a RJ-11 phone cable connector in the RJ-45 port. This will damage the LAN port. They look similar, but the RJ-45 connector is wider than the RJ-11 connector, and has more conductors.

(6)  **Power jack**

Connects AC power supply to power the Notebook and charge the battery.

Bottom view



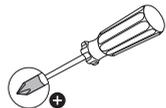
No. Bottom components

(1) Back cover

Inside the cover, you can find the memory slot of the Notebook. You can replace the existing memory module of your Notebook from here.



- To remove the cover, a small Phillips head screwdriver is required.



- For more information about replacing the memory module, refer to "[Replacing the memory](#)" on page 28

(2) **Wi-Fi module and Memory module compartment**
Contains the Wi-Fi module and two memory slots that support replaceable memory modules.

(3) **Hard drive bay**
Holds the internal hard drive.

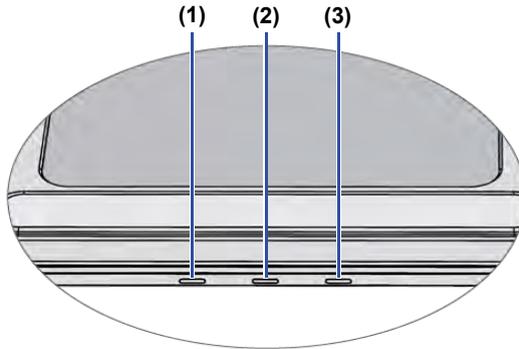
(4) **Battery retainers**
Secure the battery in place.

(5) **Speakers**

(6) **3G module (option)**
Contains the 3G module slots.

(7) **Battery pack**
Supplies power to the Notebook when external power is not connected.

Indicators

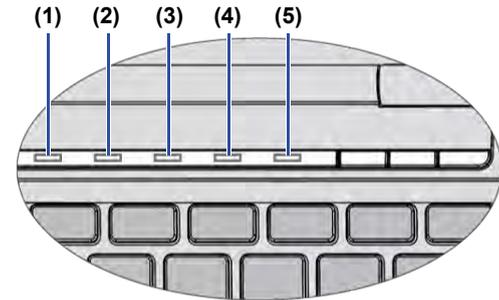


No. Indicators

- (1)  **Power indicator**
When the system is on, it lights up in blue.
When the system is in Sleep mode, it flashes in blue.
When the system is off or in Hibernation mode, the light goes off.

- (2)  **Battery status indicator**
Flashes in red when the battery is low.
Light up in red when the battery is charging.
Light up in blue when the battery is fully charged.

- (3)  **Hard disk activity indicator**
Flashes in blue when the Notebook is accessing data in the hard disk.



No. Indicators

- (1)  **Caps Lock indicator**
Lights up in blue when the <CapsLock> key is enabled.

- (2)  **Num Lock indicator**
Lights up in blue when the <Num LK> key is enabled.

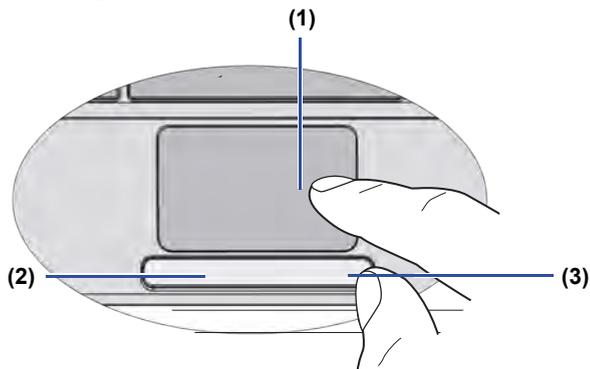
- (3) **3G 3G indicator(option)**
Lights up in blue when the 3G function is turned on.

- (4)  **Wireless LAN (WLAN) indicator**
When WLAN is turned on, it lights up in blue.
When WLAN is turned off, the light goes off.

- (5)  **Bluetooth indicator(option)**
Lights up in blue when the Bluetooth function is turned on.

Using your Notebook

Using the touchpad



The touchpad with its buttons is a pointing device that functions as an optional external mouse, which can perform navigation, scrolling and selection functions. The components of the touchpad are described as follows.

No.	Component	Function
(1)	Touchpad	Moves the pointer, selects or activates items on the screen.
(2)	Left touchpad button	Equivalent to the left button of an optional external mouse.
(3)	Right touchpad button	Equivalent to the right button of an optional external mouse.

- To use the touchpad as an optional external mouse, press the left and right touchpad buttons, which provide the same click functions as an external mouse does.
- To move the pointer, place your finger with slight pressure on the touchpad and move in the direction as desired.



- Do not use a pen, pencil, or marker on the touchpad. Use only your fingertip.
- To set the touchpad preferences in Windows Vista, select **Start > Control Panel > Hardware and Sound > Mouse**.

Function	Left touchpad button	Right touchpad button	Touchpad
Select	Click once.	--	Tap once.
Execute	Click twice quickly.	--	Tap twice quickly.
Drag	Click once and hold the item, and then use your finger on the touchpad to drag.	--	Tap twice quickly and hold the item, and then move your finger on the touchpad to drag.
Display the contextual menu	--	Click once.	--



- The touchpad is a pressure sensitive device that requires proper care to avoid damage.
 - Do not rest heavy objects on the touchpad or its buttons.
 - Do not scratch the touchpad with sharp-pointed objects or your fingernails.
-

Using the keyboard

Function hotkeys

You can use the function hotkeys to access commonly used functions or make quick settings. To use the hotkeys, press and hold the <Fn> (Function) key at the lower left corner of the keyboard, and then press the desired hotkey.



 The appearance of the keyboard legend may vary depending on the country/region of your purchase.

Function hotkey	Description	Function hotkey	Description
<Fn> + <Esc>	Puts your Notebook into Sleep mode.	<Fn> + <F1> <Fn> + <F2>	Turns 3G on or off.(3G option) Turns Bluetooth on or off.(bluetooth option)
<Fn> + <F3>	Decreases volume.	<Fn> + <F4>	Increases volume.
<Fn> + <F5>	Activates or deactivates the speakers.	<Fn> + <F6>	Decreases screen brightness.
<Fn> + <F7>	Increases screen brightness.	<Fn> + <F8>	Activates or deactivates the touchpad.
<Fn> + <F9>	F11	<Fn> + <F10>	F12
<Fn> + <PrtSc>	For Audio or Video 'Pause' .	<Fn> + <NumLK>	Activates or deactivates the numeric keypad (indicated by the light gray shade in the illustration on the previous page.
<Fn> + <Delete>	Switches display between your Notebook and an external display device (such as a monitor or projector), or allows simultaneous display.  Make sure an external display device (such as a monitor or projector) has been connected to your Notebook properly before using this hotkey combination.		

Windows key shortcuts and other keys

You can access features of the Windows operating system quickly using Windows key combinations. To use the shortcut combinations, press and hold the Windows key, and then press the other shortcut key.



Function hotkey	Description	Function hotkey	Description
	Windows key Provides quick access to the Start menu.	 + <R>	Activates the Run dialog box.
 + <X>	Opens/closes Windows Mobility Center.	 + <E>	Opens the Computer window for browsing disks and files.
 + <M>	Minimizes all open windows that contain Minimize buttons.	<Shift> +  + <M>	Cancel minimization of all windows.
<Alt> + <Tab>	Switches between windows.	<CapsLock>	Capitalizes all text entered.
<Prt Sc>	Copies a bitmap image of the current entire screen to your clipboard, which can be inserted into documents as a screenshot, or pasted into a graphics software, such as Microsoft Paint.	<Ins>	Switches between text insert mode and text overtype mode.

Using built-in wireless connectivity

With the built-in wireless connectivity of your Notebook, you can access other wireless network enabled devices (such as Access Point network stations, Notebook computers, Personal Digital Assistants, or digital projectors) wirelessly without the constraints of network cables.

To connect with a Local Area Network (LAN) at home or in the office, you need the details of an access point, which serves as an air station to make transmission possible. Outdoors in places such as in coffee shops or library, you can inquire the service personnel about an account.



- Wireless LAN (WLAN) is available on select models.
- WLAN connectivity has limited range, depending upon the equipment being used, the chosen frequency band, radio-wave interference, and the physical landscape (including building structure). Circumstances will vary depending upon your particular situation.

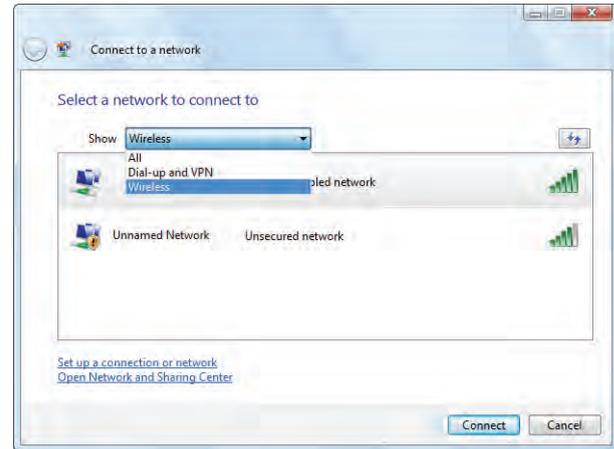
Connecting to a wireless network

1. Make sure you are located within the wireless network service area.
2. Enable WLAN by pressing the <Fn> + <F1> hotkey combination. When the WLAN is on, the WLAN indicator flashes in blue.
3. Click on the WLAN icon  in the notification area located at the lower right corner of the desktop to display a pop-up menu.

4. From the pop-up menu, click **Connect to a network**.



5. Click **Wireless** in the **Show** list. A list of available wireless networks will be displayed.



6. Choose a network and then click **Connect**. If security authentication is not required by the network you are using,

there will be a successful message showing that you have connected to the network.



- To connect to some networks that require security authentication, you may have to undergo another authorization process and enter username and password. For details, please consult your network administrator.



- For data security, it is strongly recommended to connect to security-enabled wireless networks whenever possible.
- When travelling by air, please be sure to turn off wireless networking to avoid any possible risks to flight safety.



There is another way for the Notebook to connect with a network. See "[LAN \(Local Area Network\) port \(RJ-45 connector\)](#)" on page 11.

Using BIOS setup

BIOS (Basic Input/Output System) is a layer of software, called firmware, that translates instructions from other layers of software into instructions that the Notebook hardware can understand. The BIOS settings are needed by the Notebook to identify the types of installed devices and establish special features.



BIOS settings are specific to your Notebook hardware. Do NOT change existing BIOS settings unless you are sure they need to be changed, and are aware of the consequences. Any incorrect BIOS settings may degrade the performance, operation and functionality of your Notebook.

When and how to use BIOS setup

You need to use BIOS setup when:

- You see an error message on the screen requesting you to run BIOS setup.
- You want to restore the factory default settings.
- You want to modify some specific settings according to the hardware.

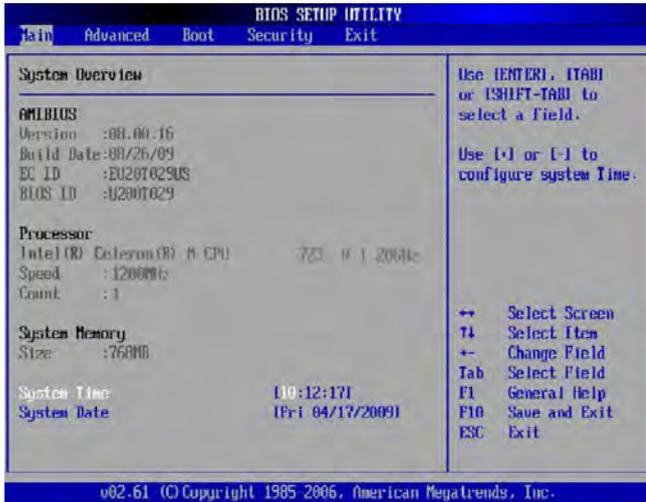
- You want to modify some specific settings to optimize system performance.



- The BIOS setup screen shown in this chapter is for your reference only. The actual items or settings on your Notebook may differ.
 - The BIOS setup program may have been updated after the publication of this manual.
 - The settings you select in your operating system might override similar settings in BIOS setup.
-

To run BIOS setup, press the <F2> key immediately when the logo appears on the screen during system startup. The logo shows up on the screen for only a few seconds, so you must press the <F2> key at the time.

The BIOS setup main screen will appear as follows.



The BIOS setup screen can be divided into three areas:

- On the top line is the menu bar containing the titles of available menus. Each menu title contains a specific menu.
- The center left column of the menu contains information regarding the current settings of the system. If you open a pull-down menu and select an item that provides multiple options, the left column will display a submenu where you can make further selections.
- The right column of the menu provides:
 - Help information about the current menu selected. When a menu item is highlighted, more detailed information is given.

- Keyboard instructions for moving around and making selections.

Navigating the BIOS setup screen

Keyboard information can be found on the right column of the screen. A brief description of keyboard usage is listed below:

Key	Function
Left and right arrow keys (←, →)	Selects a menu title.
Up and down arrow keys (↑, ↓)	Selects an item or option.
Enter	<ul style="list-style-type: none"> • Displays the sub-menu when an item with the arrow ▶ sign is selected. • Opens or closes the option window when an item is selected.
Tab	Jumps from one item to another.
Esc	<ul style="list-style-type: none"> • Exits BIOS setup. • Returns to the previous menu if in a sub-menu. • Closes the options window if one is open.

Main menu

The **Main** menu contains the basic configuration settings of the system and shows some system information, such as the BIOS version, CPU type and speed, and the system memory, etc.

- **System Time:** allows you to set the time of the system. Type in the value and then press <Enter> to change the next value.
- **System Date:** allows you to set the date of the system. Type in the value and then press <Enter> to change the next value.

Advanced menu

The **Advanced** menu contains advanced I/O (Input/Output) configuration settings of the system. For example, enabling/disabling AHCI mode.



If you are not familiar with the items in the **Advanced** menu, you are advised to keep the default. Setting values incorrectly may cause system malformation.

Boot menu

The **Boot** menu contains the boot configuration settings of the system.

- **Boot Device Priority:** sets the sequence of boot devices. The system will try to boot from the first device. If it is not available, the system will try the next boot device.
 - a. Use <↑> or <↓> to select a device.
 - b. Press <Enter>, and then press <↑> or <↓> to select a device from the list.
 - c. Press <Enter> to confirm your selection.
- **Hard Disk Drives:** specifies the Boot Device Priority sequence from hard disks that are available.

- **Removable Drives:** specifies the Boot Device Priority sequence from removable disks that are available.
- **PXE SUPPORT:** supports to boot from LAN.

Security menu

The **Security** menu contains the security settings, which safeguard your system against unauthorized use.



Do NOT set the BIOS security password without having memorized it or written it down and stored it with your Notebook warranty documentation. Should you happen to forget or mislay the password once set, you will be greatly inconvenienced in gaining subsequent access to your notebook.

- **Change Supervisor Password:** This set of password controls the system supervisor's access to the whole BIOS setup utility. It must be set before **User Password** can be set. When typing the password, first make sure Num Lock is off, and then type your password in the entry field and press <Enter>. Confirm your password by typing it again and pressing <Enter>.
- **Change User Password:** This set of password controls the user's access to the BIOS setup utility. When typing the password, first make sure Num Lock is off, and then type your password in the entry field and press <Enter>. Confirm your password by typing it again and pressing <Enter>.



If Supervisor Password and User Password are both set, you can enter either one of them during the password prompt. To have full privileges in BIOS setup, enter Supervisor Password.

Exit menu

The **Exit** menu displays ways of exiting BIOS setup. After finished with your settings, you must save and exit so that the new settings can take effect.

- **Save Changes and Exit:** saves the changes you have made and exits BIOS setup. After finishing with your settings, you must save and exit so that the new settings can take effect.
- **Discard Changes and Exit:** exits BIOS setup without saving the changes you have made.
- **Load Optimal Defaults:** loads the default values for all the items in the BIOS setup utility.



It is recommended that you go into BIOS to load manufacture defaults, whenever you have installed new hardware components.

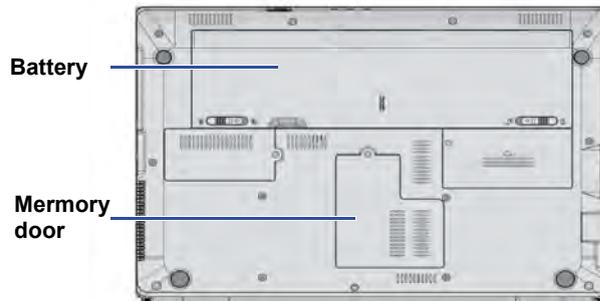
Replacing the memory

You can replace the existing memory module with a higher-capacity one. Before you upgrade or replace memory, please check on the our web site to determine the module which can be used, or contact our distributor or customer service center. It is recommended that you take your Notebook to the our distributor or customer service center for the upgrade or memory replacement.

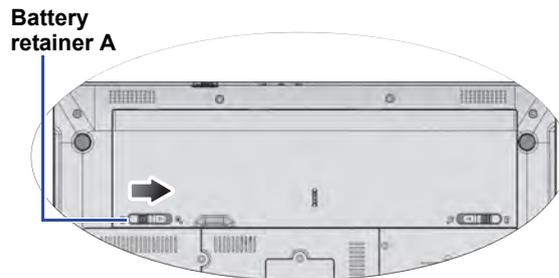


- If you install an uncertified memory module, your system may not work properly.
- It is the sole responsibility of the user if problems (such as data loss and system failure) occurred due to non-factory installed software, parts, and/or non-original accessories.

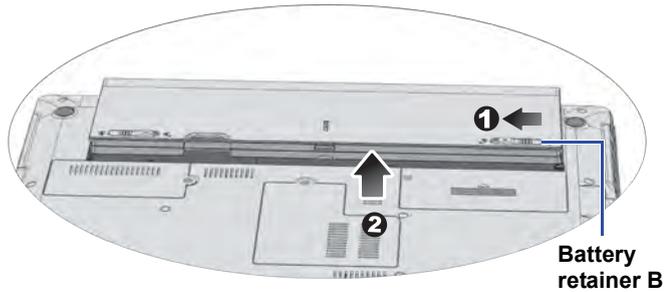
1. Shut down your Notebook completely. Disconnect the power adapter and turn over your Notebook.



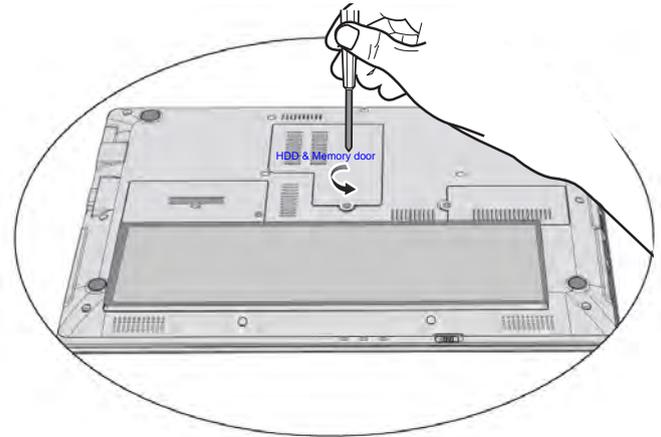
2. Slide “Battery retainer A” to the right to unlock the battery.



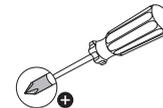
- Slide “Battery retainer B” to the left (1) and, while still holding the retainer, remove the battery from its compartment (2).



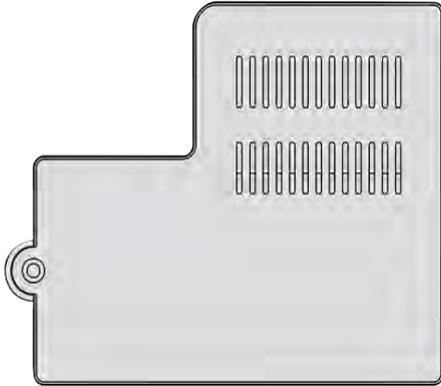
- The memory door is secured with two screws. Use a screwdriver to remove the screws.



 To remove the screws, a small Phillips head screwdriver is required.

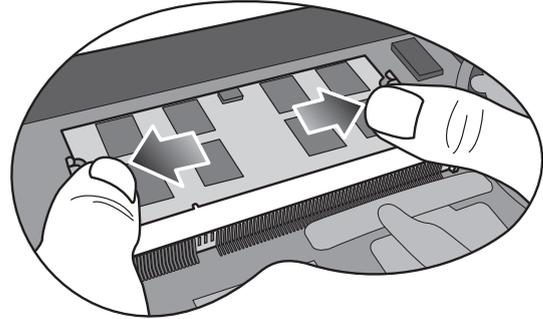


5. Remove the back cover.

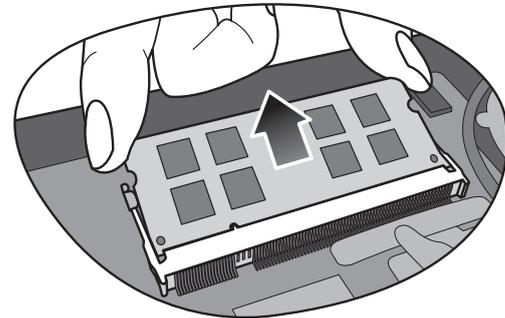


Ground yourself to your Notebook with professional grounding equipment like an anti-static wristband, or touch the metal surface on the inside of your Notebook to discharge any static electricity.

6. Release the existing memory module by pushing aside the memory holders, and remove the memory.

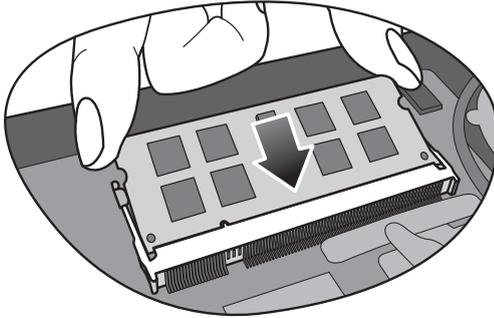


7. Remove the memory.

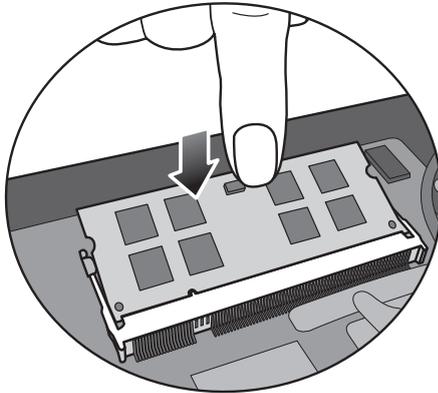


Handle the memory module by its edge and avoid touching the contacts.

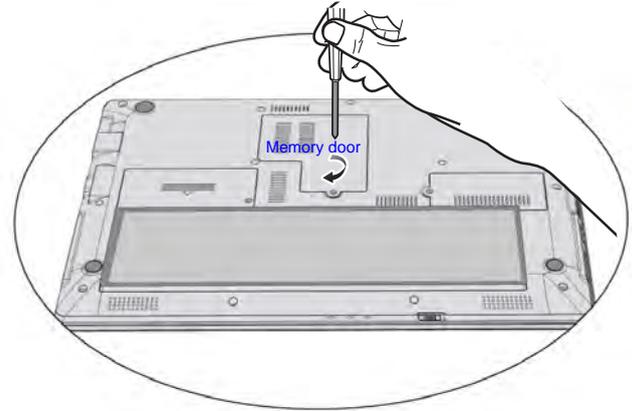
8. Align the memory module with the slot, and then insert it. When inserting, pay attention to the direction of the memory module.



9. Gently push the free edge downwards until the module locks into place.

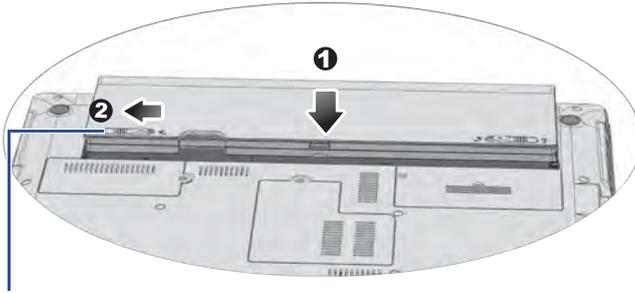


10. Replace the memory door, and use a screwdriver to secure the memory door with the screws.



If the memory module is not installed properly, your Notebook may not boot properly.

12. Place the battery on its original position (1), and then slide “Battery retainer A” to the left (2). Connect the power adapter. When you start the Notebook, it will automatically



Battery retainer A



It is recommended that you go into BIOS to load setup defaults after installing additional memory. For details, refer to ["Using BIOS setup" on page 24.](#)

FAQ and troubleshooting

The chapter describes situations that you may encounter during use of the Notebook, along with basic troubleshooting steps. If you are not able to resolve the issue, contact a nearest service center for assistance immediately.

Battery and power

? How long should I charge the battery for the first time?

☞ The length of the charging time may vary. Check the battery icon in the notification area located in the lower right corner of the desktop to see if the battery is fully charged.

? My Notebook won't start up with the battery inserted. What should I do?

☞ • Make sure the battery is properly inserted.
• Make sure the battery is fully charged. If this does not work, consult your dealer.

? What should I do with the battery if I will not use my Notebook for a long time?

☞ Recharge the battery or discharge it to about 40% full, and then store it in a dry place at about 15°C to 25°

? The battery icon in the notification area on my Notebook suggests that the battery is fully charged. However, when I check it from the Power Manager in Windows, the battery level is only about 95%-99%. Why?

☞ It is the result of the battery protection design of your Notebook. When the battery icon in the notification area on your Notebook shows the battery is fully charged, it means that the battery has reached a saturated voltage: 95%~99%. At this moment, the voltage difference detected by your Notebook is very small, so it will reduce the charging current to prevent overcharging the battery with excess current or voltage, which will damage the battery. Moreover, in order to protect the battery from exposing to high voltage and current for a long time during charging, the battery has been equipped with a protection circuit that will charge the battery at low current in the final phase.

? How come my notebook is not fully charged even after a full night charge?

☞ Make sure the Notebook is receiving power. Is the power cord plugged in correctly? If the battery is installed in the Notebook and it is properly connected to an AC outlet, check if the battery meter icon is showing a charge sign. If this does not fix the problem, then the battery, the power source in your Notebook, or the AC power cord may be defective. Consult your dealer for help and maintenance.

? What should I do if the battery gets hot in my Notebook?

☞ Take the battery out and let it cool down for a while. If the problem persists when the battery is inserted again into your Notebook later, the battery could be defective and it may need to be replaced. Consult your dealer for help and maintenance.

? I have pressed the Power button, but my Notebook cannot start up.

☞ Check the Power button indicator.

- If it is not lit up, your Notebook is not being supplied by power, either from an external power source via the power adapter or from the battery pack. Make sure you have connected the power adapter correctly to the power jack of your Notebook and a working electrical outlet, so the battery can start charging.
 - If the Power button indicator lights up in white, the Notebook is being supplied normally with power, meaning that the problem lies elsewhere.
 - If you have added or replaced any hardware, such as a memory module, check if it has been installed correctly.
 - It is possible that certain operating system files are damaged or missing. If so, you may need to back up all your data first, and then recover your system.

? Why does the battery on my Notebook seem to last shorter and shorter?

☞ It is normal for Lithium-ion (Li-ion) batteries to decline in capacity over time.

Connection

? What is a Wireless LAN (WLAN)?

☞ A WLAN is a type of Local Area Network (LAN) that uses high frequency radio waves rather than wires to communicate and transmit data among nodes. It is a flexible data communication system implemented as an extension to, or as an alternative for, a wired LAN within a building or campus.

? I cannot connect to the Internet with the built-in network interface on my Notebook. Why?

☞ Check if the network has a fixed MAC address. Contact your network administrator for further solutions.

? When connecting to a local network, the connection is unstable. Why?

☞ The instructions below will guide you through the troubleshooting process.

1. Click **Start**.
2. Right-click **Computer** and select **Properties > Device Manager**
3. Double-click **Network adapters**. When the name of the network adapter of the Notebook appears, double-click on it.

4. The Properties window will pop up. Click the **Advanced** tab, and then click the **Speed & Duplex** item on the left.
5. Select the appropriate mode according to the settings of your LAN service from the **Value** drop-down menu on the right, and then click **OK**.

If the situation persists, press the <Fn> + <F1> hotkey combination to disable WLAN to reduce interference of different network connection modes.

? I have a problem setting up wireless network.

👉 Please follow the instructions below to resolve the problem:

- Have you enabled the WLAN function of the Notebook ? Please press the <Fn> + <F1> hotkey combination to enable WLAN.
- Click **Start > Control Panel > Network and Internet > Connect to a network**. Make sure the connection status is connected and with appropriate signal strength. If you do not see the connection status, make sure your wireless device is set up correctly so your Notebook Lite can receive the signal.
- Make sure your wireless router or access point is broadcasting the SSID. Refer to your wireless device's documentation for enabling this broadcasting feature.

System

? How should I resolve the "Low on Disk Space" or "Out of Disk Space" error messages?

👉 Windows uses disk space for operations, such as caching and virtual memory. The Notebook may not run reliably if the free space of the hard disk drops under 100MB or 200MB. The following instructions will help you free up the disk space. .

1. Click **Start > Computer**
2. Right-click the hard disk icon and then select **Properties**
3. Observe how much free space is on the hard disk.
4. To free up the space of your hard disk, click **Disk Cleanup** and follow the on-screen instructions to proceed.

? My system is running very slow. How can I improve the performance?

👉 System resources are the amount of memory and hard disk space that your Notebook can use, which may degrade over time and affect the system performance. However, you can still improve the system performance by using the methods below:

- Close all open programs not being used. Use software programs that are absolutely necessary. Try running virus scans and other tools when you are not using your Notebook. Closing software programs that are not necessary helps your system performs more efficiently.
- Prevent background software programs from loading. As software programs load the small icons in the notification area located in the lower right corner of the desktop, they will be running in the background and each one consumes valuable system resources. You can follow the steps below to prevent application programs from running when Windows launches:

1. Press  + **R** to display the **Run** dialog box.
 2. Type "msconfig" in the **Open** field. The system configuration utility will appear.
 3. Click the **Startup** tab, and then uncheck any task that is unwanted.
 4. Click **Apply** > **OK**. Restart your Notebook.
- Remove programs from the Startup folder. Removing programs from the Startup folder also helps prevent programs from running when Windows starts up. To do so, follow the steps below:
 1. Right-click anywhere in the open area on the desktop and select **New** > **Folder**. Give the folder a name. This folder will be used later.
 2. Right-click the **Start** button and then select **Open**. A folder named **Programs** will appear in the **Start Menu** window.
 3. Double-click the **Programs** folder and then the **Startup** folder.
 4. Right-click any icon in the folder and then select **Properties**. The information about the icon will appear.
 5. You may decide if the program is necessary to be kept in the **Startup** folder. Select unwanted program icons, right-click on them and select **Cut**.
 6. Close the open windows to return to the desktop.
 7. Open the folder created in Step 1.
 8. Select the **Edit** and **Paste** commands in the folder window. The icons that were cut from the **Startup** folder are now placed in the folder.
 9. Restart the Notebook. The programs removed from the **Startup** folder will no longer run when Windows starts. However, you can still run them by double-clicking their icons in the folder created in Step 1.
 - Empty the **Recycle Bin**. You can free up disk space by clearing files you no longer need from the **Recycle Bin**. To do so, right-click the **Recycle Bin** icon on the desktop and select **Empty Recycle Bin**.
 - Delete temporary files and directories. This will increase the disk space of your hard disk, and reduce the time Windows takes to access the hard disk. It will also help solve problems associated with spooling print job.
 1. Close all running programs.
 2. Click **Start** > **All Programs** > **Accessories** > **System Tools** > **Disk Cleanup**.
 3. Check the types of files you want to delete (temporary files are safe to delete).
 4. Click **OK**.
 - Use the **Scan Disk** and **Defragment** functions. The **Scan Disk** function checks a hard disk for errors, while the **Disk Defragment** function takes all the scattered bits of program data and groups them back together in the front of the drive.
 1. Click **Start** > **Computer**.
 2. Right-click the hard disk's icon and select **Properties**.
 3. Click the **Tools** tab and then the **Check Now** button.
 4. Check all checkboxes in the dialog that follows.

5. Click **Start**.
6. Restart your Notebook . It may take a long time to complete.

To run **Disk Defragmentation** in Windows Vista:

1. Close all running software programs.
2. Right-click the hard disk's icon and select **Properties**.
3. Click the **Tools** tab and then the **Defragment Now** button.
4. Click the **Defragment Now** button. It may take a long time to complete.

If **Disk Defragmenter** start itself over and over, it means that some hidden background software program is still accessing the hard disk. Restart your Notebook and try again.

USB devices quit working unexpectedly in Windows Vista. Why?

 This is because USB devices, such as cameras, scanners, or printers, lose its connection and stop working unexpectedly. Please follow the steps below to resolve the problem:

1. Click **Start**.
2. Right-click **Computer** and select **Properties** > **Device Manager**.
3. Double-click the **Universal Serial Bus controllers** branch to expand it.
4. Right-click **USB Root Hub**, and then click **Properties**.
5. Click **Power Management**.
6. Deselect **Allow the computer to turn off this device to save power**.
7. Repeat Step 4 to Step 6 for each USB Root hub.
8. Click **OK**, and then close **Device Manager**.

Why does the keyboard and/or palm rest get warm?

 Typically, the Notebook tends to be warm slightly. The location of the hard disk is typically underneath the palm rest and as a result, the palm rest gets warm. The location of the processor is typically underneath the keyboard. And since the heat rises, the keyboard may get warm slightly. Since your Notebook has a thermally controlled fan, when the CPU and/or internal temperature of the Notebook reaches a certain temperature level, the fan is turned ON and stays ON until the temperature drops to a pre-defined level.

There is no sound coming from the speakers.

 Verify the following:

- The speakers may have been muted. Check the volume control (speaker icon) in the notification area located in the lower right corner of the desktop to see if the volume has been muted. If so, please restore the volume.
- The speakers may have been turned off. Use the <Fn> + <F8> hotkey combination to turn them on.
- The volume may have been set too low. Use the <Fn> + <F9> hotkey combination to increase the volume.
- An earphone or external speakers may have been connected to the audio output jack, turning off the Notebook's built-in speakers automatically.

❓ **Why is the hard disk capacity displayed by the OS different from its nominated capacity?**

👉 You may have discovered that the capacity of a 10GB hard disk becomes 9GB when displayed from the OS, and 20GB becomes 19GB, etc. The bigger the capacity, the bigger the difference. It is because hard disk manufacturers and OS developers calculate hard disk capacity in different ways. As a result, the nominated capacity is different from the exact capacity displayed by the OS.

Calculation of hard disk capacity by hard disk manufacturers	Calculation of hard disk capacity by OS developers
1GB=1,000MB	1GB=1,024MB
1MB=1,000KB	1MB=1,024KB
1KB=1,000 bytes	1KB=1,024 bytes

Example of a 40GB hard disk:

Calculation by hard disk manufacturers	Calculation by OS developers
40GB=40,000MB	40GB=40,960MB
=40,000,000KB	=41,943,040KB
=40,000,000,000 bytes	=42,949,672,960 bytes

Exact capacity of a 40GB hard disk displayed in the OS:

$40,000,000,000 \div 1024 \div 1024 \div 1024 = 37.2529$ (GB).

Furthermore, when a hard disk is partitioned, the system will reserve some space on the drive for system files. Therefore, the total capacity of a hard disk displayed by the OS will never be the same as its nominated capacity.

❓ **I hear noise when connecting an earphone to the Notebook.**

👉 Verify the following:

- Connect the earphone to other devices, such as a radio to see if you can still hear that noise. If the noise persists, the earphone may be out of order.
- If you can hear the noise only when inserting, it is the result of high instantaneous current. It is a normal phenomenon.

❓ **How can I reduce the wearing of the screen hinge when I lift up the lid of my Notebook?**

👉 Please open/close the lid gently and slowly with both hands. Apply force evenly on both hands to reduce hinge wearing and prevent deformation or breaking of hinge due to uneven force.

❓ **What should I do if a program in Windows freezes?**

👉 If your system freezes, press the <Ctrl> + <Alt> + keys simultaneously, click **Start Task Manager**. Under **Windows Task Manager**, click the **Applications** tab, and then click on the application that freezes and click **End Task**.

❓ **Why is my Notebook running so hot? Is it normal?**

👉 Yes. Because all the hardware is in such cramped quarters, it tends to get hot. To prevent overheating, do not obstruct the

vents. For example, do not use the Notebook in bed where a blanket may inadvertently cover the vents and block the airflow.

❓ Why does my Notebook seem to turn off itself after a certain period of inactivity?

👉 This is the default setting of the Notebook to conserve battery power. The Notebook is configured to use the power saving feature. You can go to **Start > Control Panel > Mobile PC > Power Options** to select your preferred power plan.

❓ Should I drain the battery of my Notebook every time before charging to retain its capacity?

👉 No. Your Notebook comes with an Lithium-ion (Li-ion) battery pack. This is one of the newest cell types available. It is also the lightest battery type currently available on a commercial basis and can provide more power than other main cell types. There are no known problems of memory effect with this battery type and it is the easiest battery type to be maintained.

Display

❓ There is nothing visible on the screen.

👉 Check the Power button indicator.

- If it is not lit up, no power is being supplied to the Notebook. Connect the power adapter and restart the Notebook.
- If it blinks in white, the Notebook has entered Sleep mode in order to conserve power. You can press the Power button to resume from Sleep mode.

- If it lights up in white, the Notebook is being supplied normally with power. There are two possible causes for the problem.

- The screen's brightness may have been set too low. Use the <Fn> + <F6> hotkey combination to increase the brightness.
- The display may have been switched to use an connected external display device. Use the <Fn> + <F7> hotkey combination to switch the display back to the Notebook or to use simultaneous display.

❓ When I connect the Notebook to an external monitor, the display is abnormal.

👉 The instructions below will guide you through the troubleshooting process.

- Use the <Fn> + <F7> function key combination to make external video signal enabled.
- Refer to the user manual that came with the external monitor to check the settings.
- Connect the VGA cable to the Notebook and reboot the system. If there is no display on the external monitor after system reboot, connect the Notebook to a standard VGA monitor, and wait until you can see things properly on that VGA monitor. Then, connect the target display to the Notebook again.

⑦ How can I judge if my LCD panel is out of order and what should I do if this happens?

 Contact your dealer if you encounter the following situations:

- The screen flickers when the system starts up normally.
- Fonts displayed on the screen are unclear and strange codes appear.
- There is no display when the hard disk is running normally.
- Colors on the screen are strange and turn into white.
- Vertical or horizontal lines appear on the screen.
- When playing a media file using Windows Media Player, the frame speed is abnormal.
- The sound changes while the screen remains the same when playing games.

Cleaning and battery maintenance

Battery maintenance

1. Fully charge/discharge battery up to 4 cycles before achieving full capacity of a new battery.
2. Fully discharge and then fully charge the battery every two to three weeks for battery conditions.
3. Remove from the device and stored in a cool, dry, clean place if the battery will not be in use for a month or longer and recharge the battery after a storage period.
4. Do not short-circuit. A short-circuit may cause severe damage to the battery.
5. Do not drop, hit or otherwise abuse the battery as this may result in the exposure of the cell contents, which are corrosive.
6. Do not expose the battery to moisture or rain.
7. Keep battery away from fire or other sources of extreme heat. Do not incinerate. Exposure of battery to extreme heat may result in an explosion.
8. Do not use power adapters other than the one provided with the Notebook.
9. Do not place the battery within reach of children.
10. Follow the local laws governing the disposal of batteries. As far as possible, submit used batteries to be recycled.
11. Use of improper batteries, or attempting to disassemble a battery, may result in explosions. Follow vendor recommendations in using batteries of the identical or equivalent type as replacements for worn-out batteries.

Cleaning your Notebook

When cleaning the Notebook , follow the steps below:

1. Turn off the Notebook, disconnect the power adapter, and remove the battery.
2. Use a damp cloth to wipe the outer surface of the Notebook. Do not apply liquid or spray cleaners directly on the Notebook.
3. Do not use cleaners containing alcohol or acetone. Instead, use cleaning fluids specially formulated for LCD screens.

Appendix

General safety information

When setting up or operating your Notebook, please pay special attention to the following:

1. Keep this manual in a safe place for easy reference when needed.
2. Make sure you follow all instructions and warnings related to the system.
3. Place your Notebook on a stable, level surface, and ensure that the vents are not obstructed.
4. Do not expose your Notebook to rain or excess humidity, and keep it away from liquids (such as beverages, faucets, and so on).
5. Do not expose your Notebook to direct sunlight, and keep it away from sources of heat (such as radiators, space heaters, stoves, and so on).
6. Do not expose your Notebook to heavy impacts or strong vibrations. When closing the Notebook, do not use excessive force.
7. Do not use your Notebook near a gas leak.
8. Do not store your Notebook in environments where the temperature is below 0°C or above 50°C, nor use your Notebook in environments where the temperature is below 5°C or above 35°C. Otherwise system performance will be adversely affected.
9. Do not use your Notebook near water, for example near a bathtub, wash bowl, kitchen sink or laundry tub, in a wet basement or near a swimming pool.
10. Do not place the Notebook in the vicinity of strong magnetic fields.
11. Use an appropriate electrical outlet, and make sure no heavy objects are placed on the power adapter or power cord.
12. The power adapter is a high-voltage component. Do not attempt to repair it yourself. Should it become damaged, please contact an authorized distributor or service center.

Safety information about the battery

Caution: There is a high risk of explosion if the battery is incorrectly replaced. Replace only with the same or equivalent type recommended by the battery equipment manufacturer. Discard used batteries according to battery manufacturer's instructions.

Safety information about the power adapter

- Use only the power adapter supplied with your Notebook . Use of another type of power adapter will result in malfunction and/or danger.
- Do not use the adapter in a high moisture environment. Never touch the adapter when your hands are wet.
- Allow adequate ventilation around the adapter when using it to operate the device or charge the battery. Do not cover the power adapter with paper or other objects that will reduce cooling. Do not use the power adapter while it is inside a carrying case.
- Connect the adapter to a proper power source. The voltage requirements are found on the product case and/or packaging.
- Do not use the adapter if the cord becomes damaged.
- Do not attempt to service the adapter. There are no service parts inside. Replace the unit if it is damaged or exposed to excess moisture.

Disposal of Waste Electrical and Electronic Equipment by users in private households in the European Union.



This symbol on the product or on the packaging indicates that this can not be disposed of as household waste. You must dispose of your waste equipment by handing it over to the applicable take-back scheme for the recycling of electrical and electronic equipment. For more information about recycling of this equipment, please contact your city office, the shop where you purchased the equipment or your household waste disposal service. The recycling of materials will help to conserve natural resources and ensure that it is recycled in a manner that protects human health and environment.

Safety instructions for Poland, Romania, Slovenia, Bulgaria, Latvia, and Croatia

Polski

1. Należy upewnić się, że zastosowano się do wszystkich instrukcji i ostrzeżeń dotyczących systemu.
2. Nie należy umieszczać komputera w miejscach oddziaływania silnych pól magnetycznych.
3. Ostrzeżenie: Nieprawidłowa wymiana baterii może spowodować jej wybuch. Baterię można wymienić wyłącznie na baterię tego samego lub zamiennego typu zalecanego przez producenta urządzenia. Zużyte baterie należy usuwać zgodnie z instrukcjami producenta.
4. Podłącz zasilacz do prawidłowego źródła zasilania. Wymagania dotyczące zasilania znajdują się na obudowie produktu i/lub na opakowaniu.
5. Nie należy używać zasilacza jeśli przewód jest uszkodzony.
6. Nie należy próbować naprawiać urządzenia. Wewnątrz nie ma części, które można naprawiać. Urządzenie należy wymienić, jeśli zostanie uszkodzone lub narażone na oddziaływanie nadmiernej wilgoci.
7. Nigdy nie należy instalować kabli telefonicznych podczas burzy z wyładowaniami atmosferycznymi.

România

1. Asigurați-vă că respectați toate instrucțiunile și avertismentele privitoare la sistem.
2. Nu plasați computerul într-o zonă cu puternice câmpuri magnetice.
3. Pericol de explozie dacă bateria este incorect înlocuită. Înlocuiți numai cu același tip sau cu un tip echivalent recomandat de producătorul echipamentului. Aruncați bateriile folosite în conformitate cu instrucțiunile producătorului.
4. Conectați adaptorul la o sursă de tensiune corectă. Cerințele privind tensiunea se găsesc pe carcasa produsului și/sau pe ambalaj.
5. Nu folosiți adaptorul dacă se defectează cordonul.
6. Nu încercați să depanați aparatul. În interior nu există componente depanabile. Înlocuiți aparatul dacă acesta se deteriorează sau este expus la umezeală în exces.
7. Nu instalați niciodată cablu telefonic în timpul unei furtuni cu fulgere.

Slovensko

1. Glede sistema sledite navodilom in opozorilom.
2. Računalnika ne postavljajte na mesta z močnim magnetnim poljem.
3. V primeru nepravilne namestitve akumulatorja obstaja nevarnost eksplozije. Nadomestite ga le z isto ali ekvivalentno vrsto, priporočeno s strani proizvajalca opreme. Rabljen akumulator odstranite skladno z navodili proizvajalca.
4. Adapter spojite na primeren vir napajanja. Napetostne zahteve so navedene na ohišju izdelka in/ali njegovi embalaži.
5. V primeru, da je napajalni kabel poškodovan, adapterja ne uporabljajte.
6. Ne postopajte se popravljanja enote. Znotraj ni nobenih delov, ki bi jih bilo mogoče popraviti. Če je enota poškodovana ali izpostavljena visoki vlagi, jo nadomestite z novo.
7. Nikoli ne nameščajte telefonske linije med nevihto z grmenjem.

Български

1. Следвайте всички инструкции и предупреждения относно системата.
2. Не слагайте компютъра на място със силно магнитно поле.
3. Опасност от експлозия при погрешна смяна на батерията. Използвайте само същия или еквивалентен тип батерия, препоръчан от производителя на оборудването. Изхвърляйте старите батерии съгласно инструкциите на производителя.
4. Свържете адаптера към подходящ източник на хранване. Изискванията към напрежението са посочени на корпуса на продукта и/или опаковката.
5. Не използвайте адаптера, ако кабелът се повреди.
6. Не се опитвайте да поправяте продукта. В него няма части, които могат да се поправят. Сменете продукта, ако се повреди или ако бъде изложен на прекомерна влага.
7. Никога не инсталирайте телефонни кабели по време на гръмотевична буря.

Latviski

1. Sekojiet visām sistēmai atbilstošajām norādēm un brīdinājumiem.
2. Nenovietojiet datoru tuvu spēcīgiem magnētiskajiem laukiem.
3. Nepareizi nomainīts akumulators var uzsprāgt. Mainiet akumulatoru tikai pret tādu pašu vai līdzvērtīgu ražotāja ieteiktu akumulatoru. Utilizējiet izlietotos akumulatorus saskaņā ar ražotāja norādēm.
4. Pievienojiet adapteri atbilstoši strāvas padevei. Strāvas padeves parametrus Jūs varat atrast uz produkta korpusa un/ vai iepakojuma.
5. Nelietojiet adapteri, ja ir bojāts tā vads.
6. Nemēģiniet labot iekārtu pašrocīgi. Detaļu bojājumu gadījumā vai arī, ja tā bijusi pakļauta mitruma ietekmei, griezieties autorizētā servisa centrā.
7. Nekad nelietojiet un neveiciet telefona līnijas pieslēgumu negaisa laikā.

Hrvatski

1. Pridržavajte se svih uputa i upozorenja u vezi sa sustavom.
2. Ne postavljajte računalo u područje jakih magnetskih polja.
3. Nepravilna zamjena baterije izazvat će opasnost od eksplozije. Prilikom zamjene, koristite istu ili ekvivalentnu vrstu baterije koju je preporučio proizvođač. Rabljene baterije odložite prema uputama proizvođača.
4. Mrežni prilagodnik priključite na odgovarajući izvor napajanja. Propisani napon naveden je na kućištu proizvoda i/ili pakiranju.
5. Ne koristite mrežni prilagodnik kojem je oštećen kabel.
6. Ne pokušavajte servisirati uređaj. U uređaju se ne nalaze dijelovi koje možete popraviti. Uređaj zamijenite u slučaju oštećenja ili izloženosti prekomjernoj vlazi.
7. Nikada ne instalirajte ožičenje telefona za vrijeme grmljavine.

<Memo>