



Joybook Lite

U101 Series

User Manual

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It is the sole responsibility of the user if problems (such as data loss and system failure) occurred due to non-factory installed parts and/or non-original accessories.

Joybook Lite model covered by this manual

This manual contains the information about the following Joybook Lite model:

- Joybook Lite U101 Series

Please note that the actual hardware or software capabilities will vary according to the model you purchased. To determine your Joybook Lite model, please refer to the label on the packing box, or the printing on your Joybook Lite.

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<Memo>

Overview

About this book

This book provides you the main information about various components in your Joybook Lite 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 Joybook Lite.
Touring your Joybook Lite	Introduction to the hardware components of your Joybook Lite.
Basic operations	Basic and advanced information about operating your Joybook Lite.
Using Joybook Lite on Windows XP	Information about operating your Joybook Lite on Windows XP.
Using BIOS setup	Information about how to use the BIOS setup utility.

Recovering your system using QDataTrove	Information about using system recovery tools.
Installing additional memory	Information about how to add additional RAM memory.
Getting started with Linux (available on selected models)	Information about operating your Joybook Lite on Linux.
FAQ and troubleshooting	Information about frequently asked questions and troubleshooting.
Cleaning and battery maintenance	Information about cleaning and battery maintenance.
Service and support	Joybook Lite service and support information.
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 Joybook Lite, 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 this book, the steps needed to reach a menu are shown in condensed form, for example: **Start > Help and Support**.

Getting started

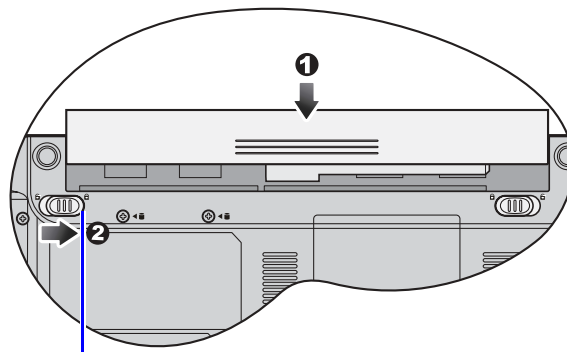
 Depending on the model of your Joybook Lite, the appearance may be different from the illustrations shown in this manual.

Package contents

Before using your Joybook Lite 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 Joybook Lite for service.

Getting your Joybook Lite ready for use

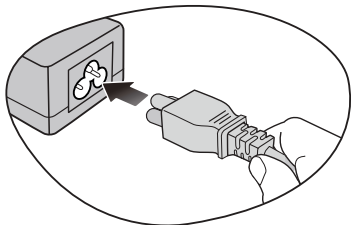
1. Installing the battery pack



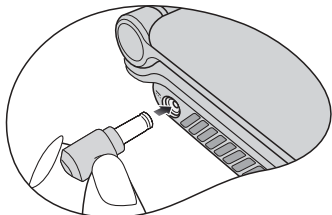
Battery retainer A

Close the lid of your Joybook Lite (if open). Turn your Joybook Lite 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 A" to the right as shown to lock the battery pack into place (2).

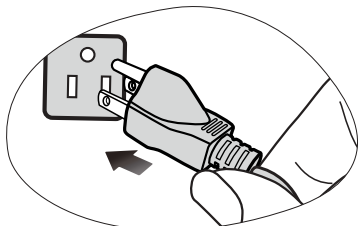
2. Connecting the power



Connect the power cord to the power adapter.



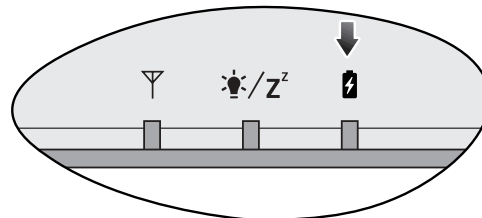
Connect the power adapter to the power jack on your Joybook Lite.



Connect the power cord to a wall outlet. The Joybook Lite will automatically start charging the battery.

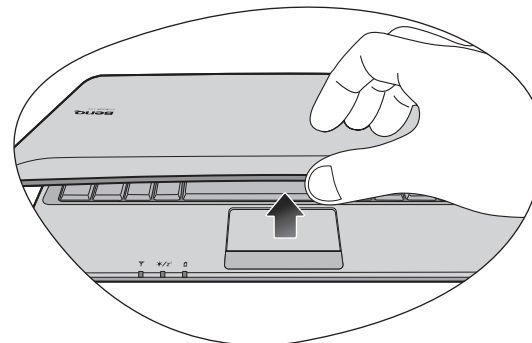
- **The battery pack is shipped with low charge from the factory. You can still use your Joybook Lite while the battery is charging.**

- Power systems and plug types may vary depending on your country/region.
- When the battery is charging, the battery indicator lights up in amber. When the battery is fully charged, the light goes off.



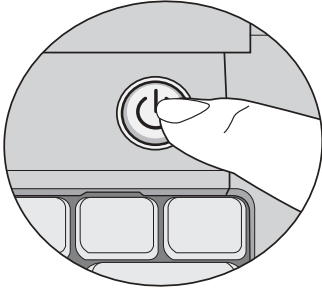
- For details about the colors and meanings of the indicators, refer to ["Indicators" on page 13](#).

3. Opening your Joybook Lite



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

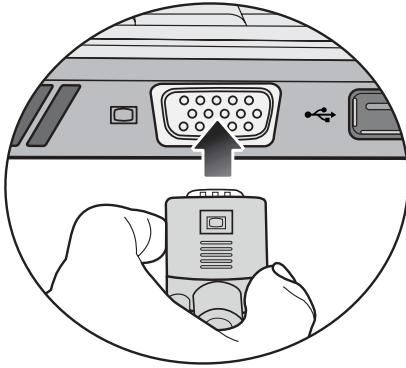
4. Performing initial setup



Press the Power button to start up your Joybook Lite, and then follow the on-screen instructions to complete the initial setup.

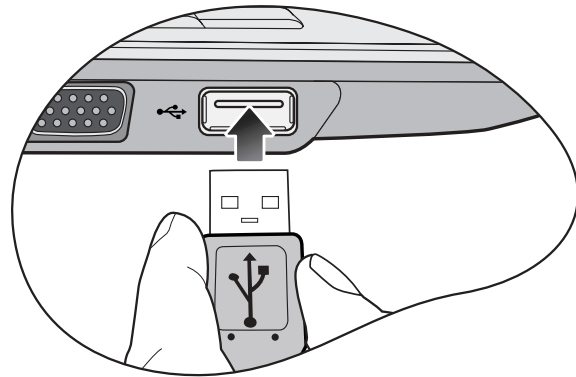
- **Your Joybook Lite U101 Series works best with the operating system pre-installed for you. Installing other operating systems that have not been tested is not recommended, and may not only void your warranty but also affect the functionality of your Joybook Lite.**
- **The actual operating system that comes with your Joybook Lite may vary. For details, refer to the Product Specification label on the product carton.**

Expanding the capabilities of your Joybook Lite



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

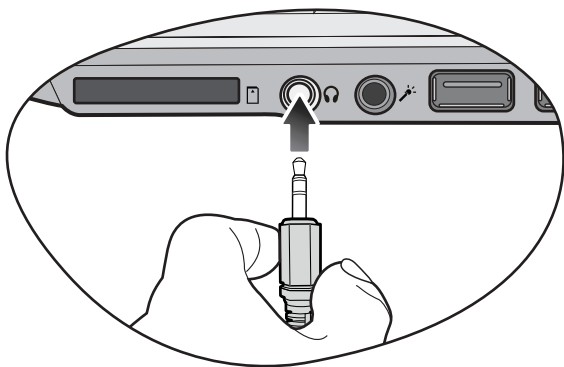
 **To switch to the external display device or simultaneous display, press the <Fn> + <F3> hotkey combination.**



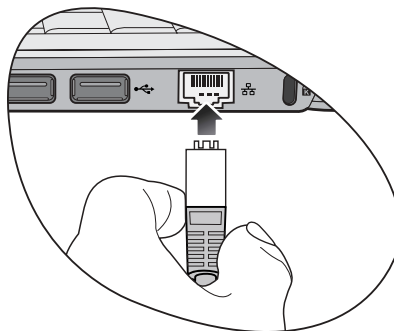
Connect USB peripherals to the USB port of your Joybook Lite.



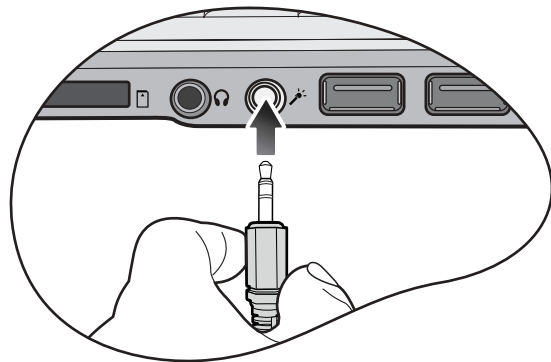
Insert a Memory Stick, Memory Stick Pro, SD, or MMC memory card following the direction indicated on the card to exchange files.



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



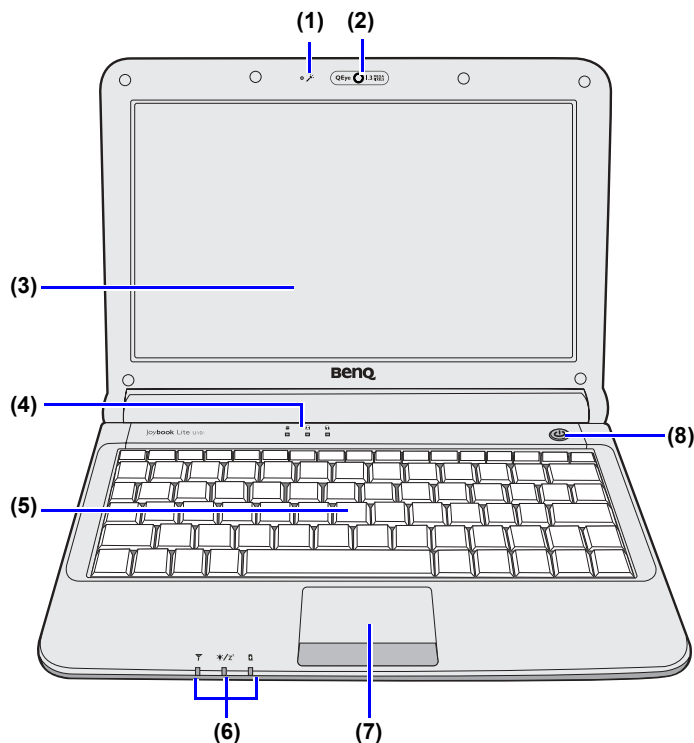
Access local area network (LAN) by connecting a network cable to the LAN port of your Joybook Lite.



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

Touring your Joybook Lite

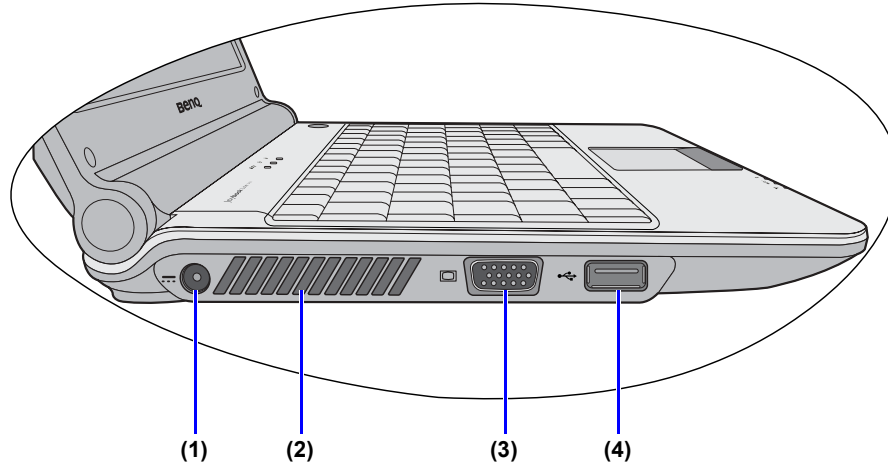
Front view



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. For details, refer to "Using the built-in webcam" on page 30 . |
| (3) | LCD (Liquid Crystal Display) panel |
| (4) | Indicators
Refer to "Indicators" on page 13 for details. |
| (5) | Keyboard |
| (6) | Indicators
Refer to "Indicators" on page 13 for details. |
| (7) | Touchpad
Refer to "Using the touchpad" on page 15 for details. |
| (8) | Power button
Turns your Joybook Lite on or off. |

Left side view



No. Left-side components

(1) Power jack

For connecting AC power supply to power the Joybook Lite and charge the battery.

(2) Ventilation holes

For dissipating heat and keeping your Joybook Lite at an optimal temperature.



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

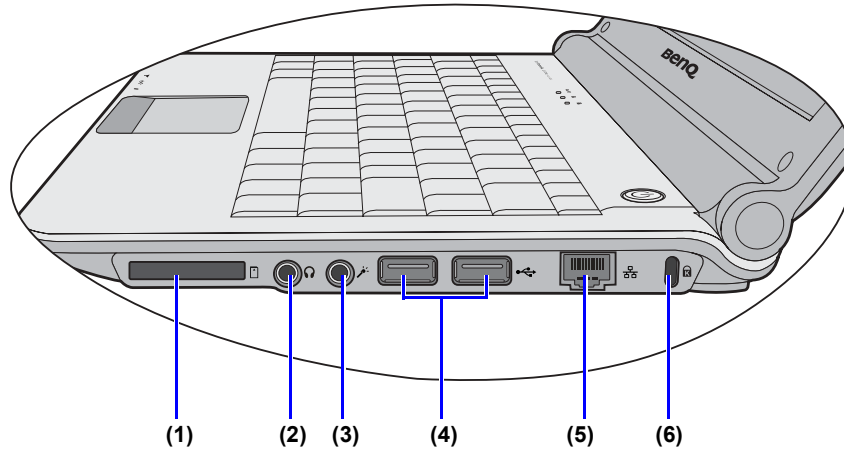
(3) 15-pin D-sub video jack

For connecting external display devices, such as monitors and projectors.

(4) USB ports

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

Right side view



No. Right-side components

- (1)  **Four-in-One memory card slot**
For a Memory Stick, Memory Stick Pro, SD, or MMC memory card.
- (2)  **Audio output jack**
Can be used to connect to an earphone/headset or external speaker for playing the Joybook Lite audio.

- (3)  **Microphone input jack**
Can be used to connect to a microphone for recording sounds.
 **This jack is for 3.5mm analog audio plugs. It accepts both mono and stereo plugs.**
- (4)  **USB ports**
For connecting peripherals such as mice, digital cameras and MP3 players that use the USB 2.0 interface.

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

Allows the Joybook Lite to connect to a 10/100Mbps fast Ethernet 100BASE-T network.

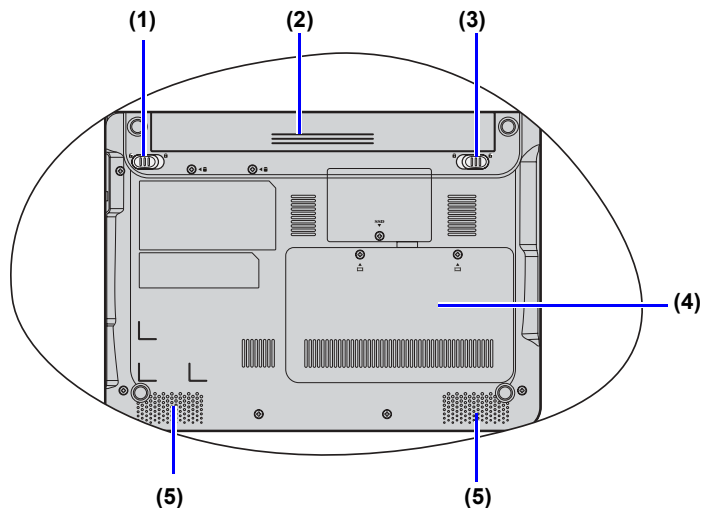


Please be careful to avoid plugging a RJ-11 phone cable connector in the RJ-45 port. This will damage the LAN port. They look similar, but the RJ-45 connector is wider than the RJ-11 connector, and has more conductors.

(6) **Anti-theft Kensington lock slot**

You can attach an anti-theft Kensington lock and cable to this slot to help prevent possible theft.

Bottom view



No.	Bottom components
-----	-------------------

(1)	Battery retainer A
-----	---------------------------

	Secures the battery in place.
--	-------------------------------

(2)	Battery pack
-----	---------------------

	Supplies power to the Joybook Lite when external power is not connected.
--	--

(3)	Battery retainer B
-----	---------------------------

	Secures the battery in place.
--	-------------------------------

(4)	Memory expansion slot cover
-----	------------------------------------

	Inside the cover, you can find the memory slot of the Joybook Lite.
--	---

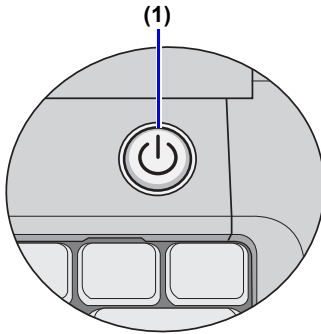


	• To remove the cover, a small Phillips head screwdriver is required.
--	---

	• For more information about adding additional memory, the limit of maximum memory, or the types of BenQ certified memory modules for your Joybook Lite, refer to "Installing additional memory" on page 37 .
--	---

(5)	Speakers
-----	-----------------

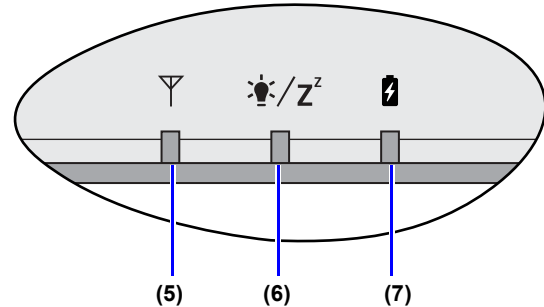
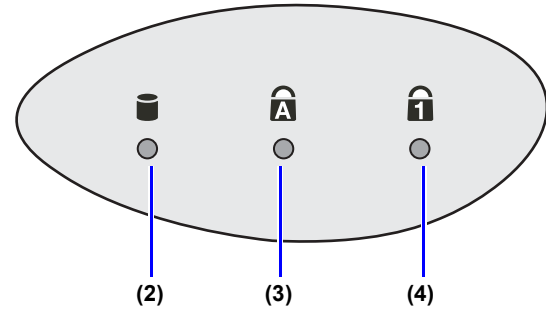
Indicators



No. Indicators

(1) Power button indicator

- When the system is on, it lights up in blue.
- When the system is in Sleep mode, it lights up in amber.
- When the system is off or in Hibernation, the light goes off.



No. Indicators

(2) Hard disk activity indicator

Flashes in blue when the Joybook Lite is accessing data in the hard disk.

(3) Caps Lock indicator

Lights up in blue when the <Caps Lock> key is enabled.

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

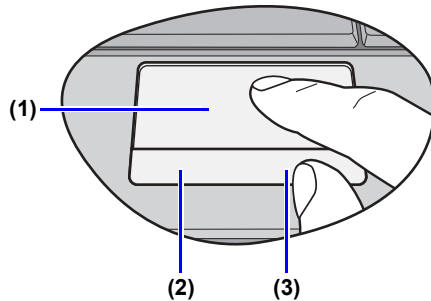
- (5)  **Wireless network/Bluetooth indicator**
- When the wireless LAN (WLAN) is on, it lights up in blue.
 - When Bluetooth is on, it lights up in amber.
 - When the WLAN and Bluetooth are both on, it lights up in purple.
 - When the WLAN and Bluetooth are both off, the light goes off.
-

- (6)  **System status indicator**
- When the system is on, it lights up in blue.
 - When the system is in Sleep mode, it lights up in amber.
 - When the system is off for Hibernation, the light goes off.
-

- (7)  **Battery indicator**
- When the battery is charging, it lights up in amber.
 - When the battery is fully charged, the light goes off.
 - When the battery is in use, it lights up in blue.
 - When the battery is running low, it blinks in blue.
 - When the battery is not working properly, it flashes in amber.
-

Basic operations

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 on Windows XP, select Start > Control Panel > Printers and other Hardware > Mouse.**
To set the touchpad preferences on Linux, select Settings > TouchPad.

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 context 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> + <F1>	Opens function hotkeys online help.	<Fn> + <F9>	Increases volume.
<Fn> + <F2>	Puts your Joybook Lite into Sleep mode.	<Fn> + <F10>	Switches between 4 combinations of WLAN and Bluetooth on/off. The status is indicated by the on-screen display.  WLAN and Bluetooth are available on selected models.
<Fn> + <F3>	Switches display between your Joybook Lite 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 Joybook Lite properly before using this hotkey combination.	<Fn> + <Scr Lk>	Activates or deactivates the scroll lock function. When activated, the screen moves one line up or down when you press the up or down arrow key (↑, ↓).  Scroll Lock does not work in all programs.
<Fn> + <F4>	Decreases screen brightness.	<Fn> + <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.
<Fn> + <F5>	Increases screen brightness.	<Fn> + <PgUp>	Moves up one page/screen.
<Fn> + <F6>	Activates or deactivates the touchpad.	<Fn> + <PgDn>	Moves down one page/screen.
<Fn> + <F7>	Activates or deactivates the speakers.	<Fn> + <Home>	Moves to the beginning of a line.
<Fn> + <F8>	Decreases volume.	<Fn> + <End>	Moves to the end of a line.

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.	 + <M>	Minimizes all open windows that contain Minimize buttons.
 + <Tab>	Switches between windows.	<Shift> +  + <M>	Cancels minimization of all windows.
 + <E>	Opens the Computer window for browsing disks and files.	 + <R>	Activates the Run dialog box.

 Windows key combinations are available on Windows operating systems only.

Function hotkey	Description	Function hotkey	Description
<Caps Lock>	Capitalizes all text entered.	<Num Lock>	Activates or deactivates the numeric keypad (indicated by the light gray shade in the illustration on the previous page).
 Application key	Provides the same function as the right touchpad button, displaying a contextual pop-up menu.		

Using Joybook Lite on Windows XP

Using built-in wireless connectivity (available on selected models)

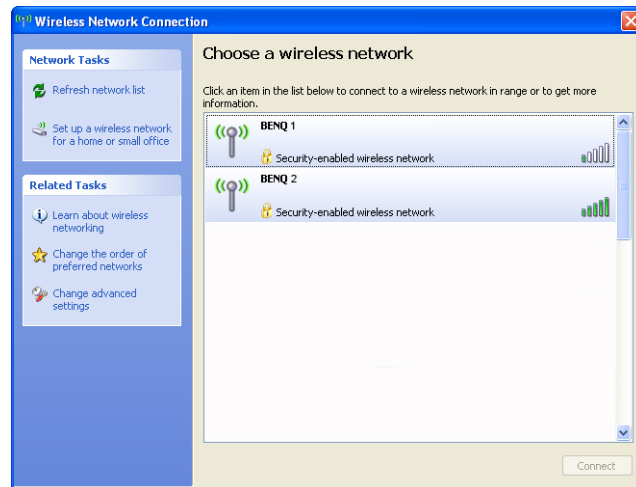
With the built-in wireless connectivity of your Joybook Lite, you can access other wireless network enabled devices (such as Access Point network stations, Notebook computers, Personal Digital Assistants, or digital projectors) wirelessly without the constraints of network cables.

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 selected 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. To enable WLAN, press the <Fn> + <F10> hotkey combination a few times until the wireless network/Bluetooth indicator  lights up in blue.
3. Click on the WLAN icon  in the notification area located at the lower right corner of the desktop. A list of available wireless networks will be displayed.



4. 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 more information, refer to Help and Support on Windows XP.**

 • **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.**

Using 3G (available on selected models)

An alternative way available on your Joybook Lite to connect to the networks is using 3G. Your Joybook Lite supports data transfer in networks that use cellular network technologies such as 3G or HSPA.

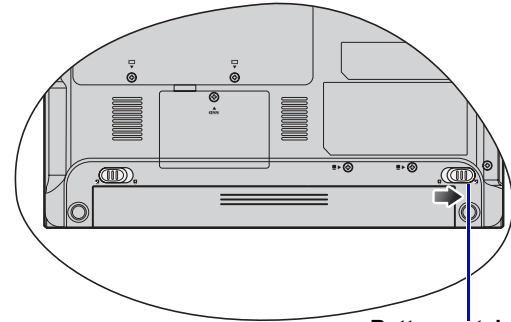
To connect to the networks using 3G or HSPA technologies, you must get a SIM card that supports high-speed data transmission in either a 3G or a 3.5G network from a mobile network operator. For details on configuration, please contact your Internet service provider (ISP), which is also your SIM card provider.

 **To activate the programs that require network connectivity, you need to be within range of a network of the type supported by your device/SIM.**

Inserting the SIM card

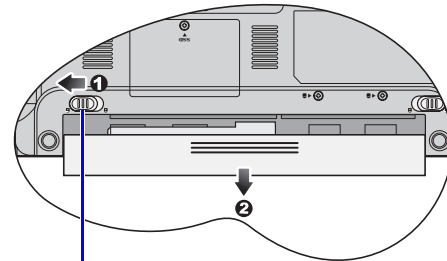
1. Shut down your Joybook Lite completely. Disconnect the power adapter and turn over your Joybook Lite.

2. Slide "Battery retainer A" to the unlock  position.



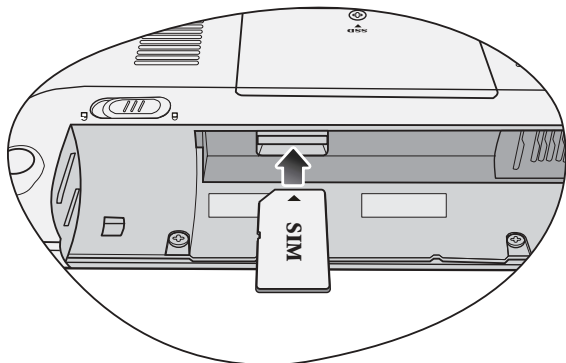
Battery retainer A

3. Slide "Battery retainer B" to the unlock  position (1) and, while still holding the retainer, pull the battery away from its compartment (2).



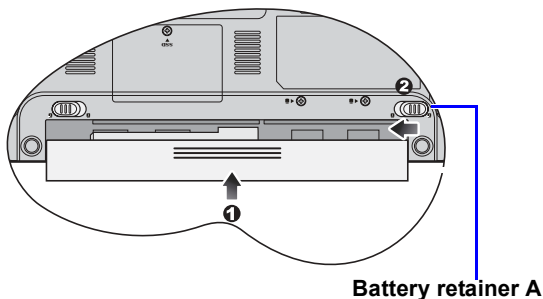
Battery retainer B

4. Insert the SIM card into the SIM card holder in the battery compartment. Make sure that the metal contacts of the SIM card face downward and the cut corner is at the top left as illustrated.



 To release the SIM card, push to release it.

5. Place the battery on its original position (1), and then slide "Battery retainer A" to the lock  position (2). Connect the power adapter.



Connecting to the networks using 3G

1. Make sure that the SIM card is inserted as instructed in ["Inserting the SIM card" on page 23](#).
2. Go to **Start > All Programs > HSPA modem > HSPA modem**.
3. If your SIM card is protected by the Personal Identification Number (PIN), enter the PIN in the pop-up dialog box before you connect to the networks.
4. Wait for the Joybook Lite to initialize the program until the device is ready.
5. Click . Follow the on-screen instructions to complete the setup, if necessary.
6. Click **Connect**. If the connection is made, there will be a successful message showing that you have connected to the network.

 **The SIM card will be locked if you enter the PIN incorrectly three times in a row. You must now enter the PUK (Personal Unblocking Key) for the SIM card in order to unlock it. Please contact your service provider to obtain a PUK.**

 **When travelling by air, please be sure to turn off wireless networking to avoid any possible risks to flight safety.**

Using Bluetooth (available on selected models)

The Bluetooth function allows you to get connected to various devices and services that support Bluetooth transmission. You can connect wirelessly without the need for data cables when printing documents, synchronizing your Personal Information Management (PIM) data with your Personal Digital Assistant (PDA) or another Personal Computer (PC), mobile phone or even sharing a network connection.

 **Bluetooth is available on selected models.**

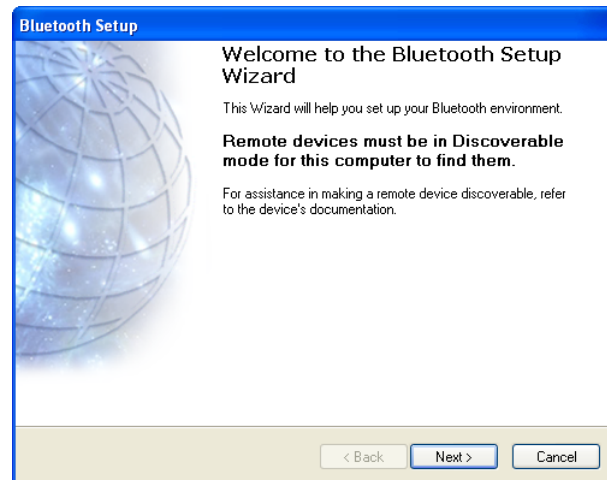
Connecting to a Bluetooth device

1. Press the <Fn> + <F10> hotkey combination to turn the Bluetooth on. When the Bluetooth is turned on, the WLAN indicator  will light up in amber or purple.
2. Turn on the power of your Bluetooth device and activate its Bluetooth function. You also need to make your Bluetooth device "Discoverable".

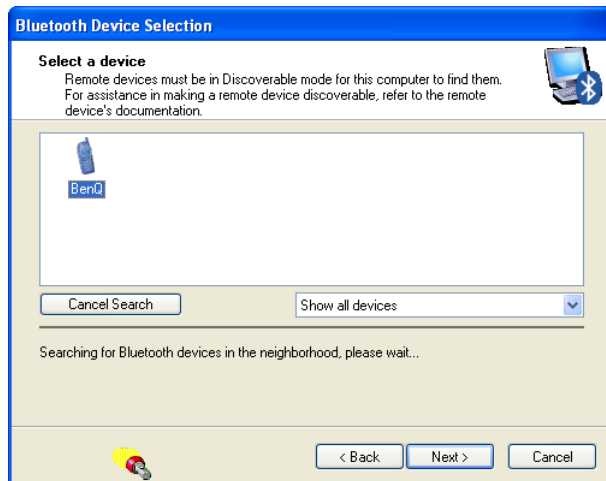
-  • **For details about how to activate the device's Bluetooth function, please refer to its documentation.**
- **The maximum effective range of connection between your Joybook Lite and the Bluetooth device is 10 meters.**
3. Right-click on the Bluetooth icon  in the notification area located at the lower right corner of the desktop, and then click **Add a Bluetooth Device** to launch the wizard.



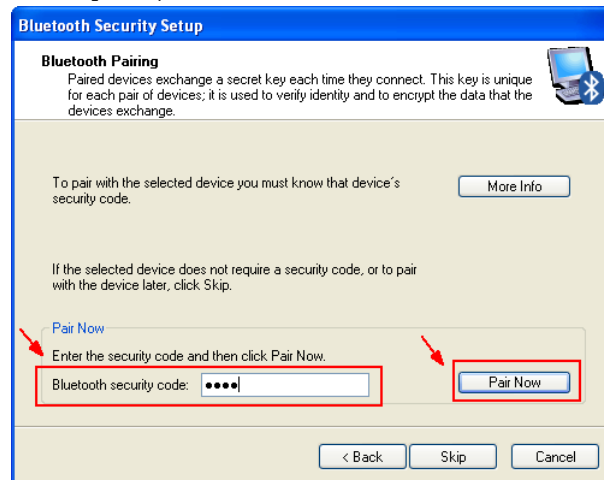
4. Click **Next**.



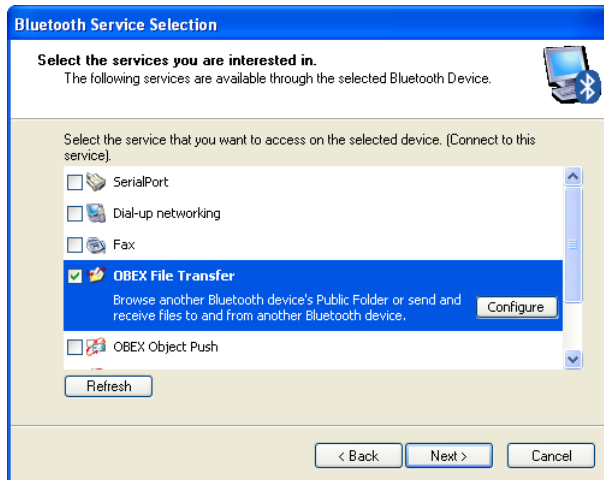
5. Please wait while Windows is searching for available Bluetooth devices. Select the Bluetooth device that you want to add, and then click **Next**.



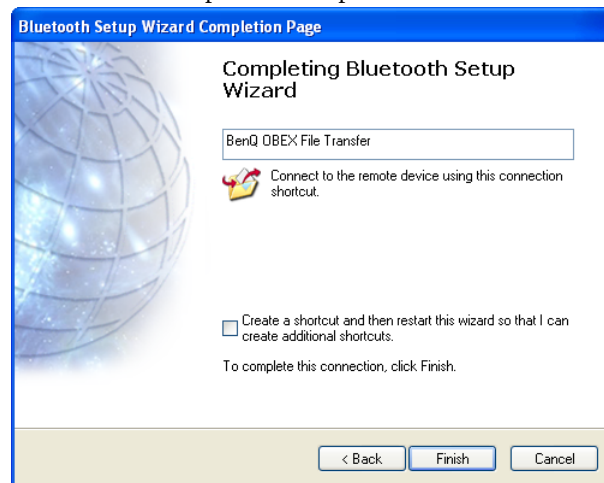
6. Refer to the documentation that came with your Bluetooth device to determine if there is a pre-defined passkey. If not, enter a passkey in **Bluetooth security code**. And click **Pair Now**. When you are prompted to enter the passkey on your Bluetooth device, follow the on-screen instructions to enter the passkey.



7. The Bluetooth device is now connected to your Joybook Lite. A list of available services supported by the connected Bluetooth device is displayed. Check the desired services and click **Next**.



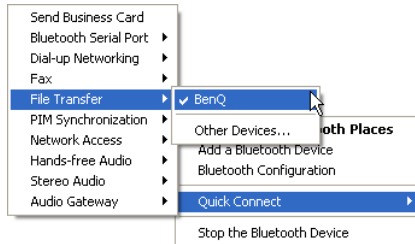
8. Click **Finish** to complete the setup.



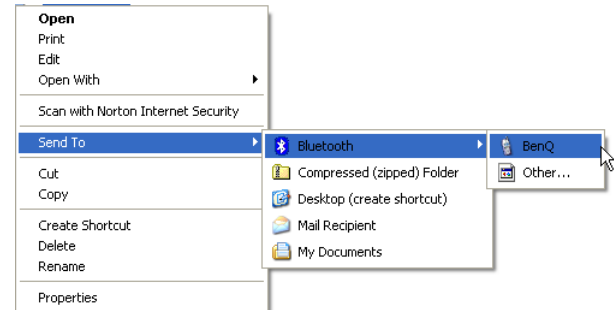
Sending a file to a Bluetooth device

If your Bluetooth device is capable of sending and receiving data, such as a mobile handset, you can use the Bluetooth connectivity to transfer data wirelessly between your Bluetooth device and Joybook Lite.

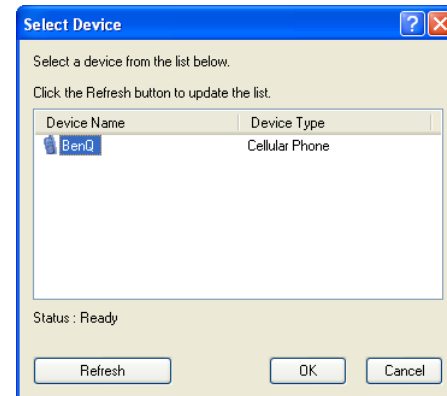
1. After your Joybook Lite is connected to a Bluetooth device, right-click the Bluetooth icon  in the notification area to display the pop-up box, and select **Quick Connect > File Transfer**, and then the connected Bluetooth device.



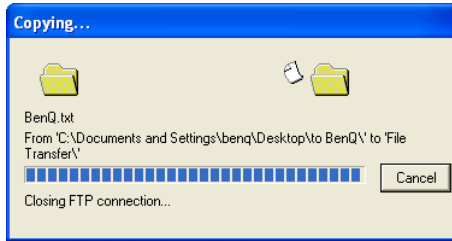
2. Use **Windows Explorer** to browse the file you want to send. Right-click on the file, and select **Send to > Bluetooth**, and then the Bluetooth device you want to send the file to.



3. Select the Bluetooth device you want to send the file to, and click **OK**.



4. Before the transmission starts, you may be requested to enter the passkey again to ensure the connection. After the transmission starts, you can check the on-screen progress bar for the status of file transfer.



The example shown above is specifically for connecting to a mobile handset. To connect to other types of Bluetooth devices, refer to the on-line Help for details.

Using the built-in webcam

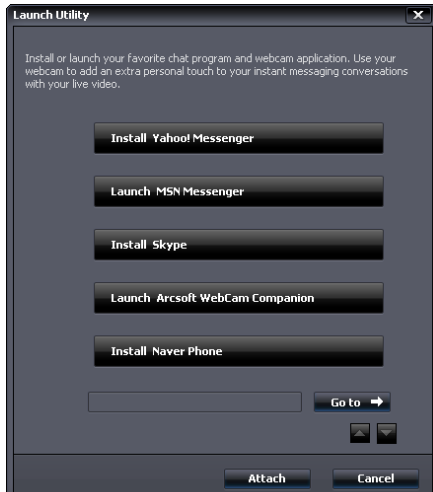
Your Joybook Lite comes with a built-in 1.3 megapixel webcam on the inside top of the lid, above the screen. With the webcam, you can capture still images, record videos, and chat online.

Activating WebCam Companion 3

To launch WebCam Companion 3, select **Start > All Programs > ArcSoft WebCam Companion 3 > WebCam Companion 3 Utility**.

You can install a free instant messaging program provided to start video chat online, or activate "WebCam Companion 3" by clicking **Launch Arcsoft WebCam Companion**.

 **Network connection is required to install or activate a free instant messaging program.**



Using WebCam Companion 3

'WebCam Companion 3' features four modules below that helps you get the most out of your webcam.



- **Capture:** allows you to capture still images and record videos from the webcam.
- **Masque:** morphs your face with another face using the selected template.
- **Photo Booth:** allows you to choose different layouts for your photos and customize them.
- **Edit:** allows you to browse and edit previously captured images or recorded videos. You can upload the video clips to YouTube as well.

Options and settings in the Main menu screen differ by module. For more information, refer to Help topics in "WebCam

Companion 3 Utility", by clicking  (at the upper right corner) > **Application Help**, or pressing the <F1> key.

Switching to different modules

On the top left corner of the Main screen in any module, there are two icons that allow you to switch to another module easily.



returns to the Home screen to select other modules.



shows the current module. To switch to another module, click the arrow to display other modules.

Capturing still images or recording videos

1. Launch "WebCam Companion 3 Utility" as instructed in ["Activating WebCam Companion 3" on page 30](#).
2. Select the **Capture** module from the Home screen.
3. On the **Capture** preview screen, you can do the following tasks.
 - **Take Picture:** captures still images from the webcam.
 - **Burst:** captures multiple images in quick succession. The number of images to be captured in each burst can be defined in  (**Settings**).
 - **Record Video:** begins capturing video from your webcam.

By default, image and video files are saved under **My Documents > WebCam Media > Capture**.

-  • The "Burst" and "Record Video" functions are available when the snapshot resolution is set to 640 x 480 pixels or lower.



- The snapshot resolution is set to 320 x 240 by default. To change the setting, click the arrow next to the resolution and select from the drop-down list.
 - You can preview the captured images in the thumbnails area.
- The background affects picture clarity and light level, and the resultant image quality.

Using the Masque function

The **Masque** module morphs face with another face. The program detects your eyes, nose, and mouth, and applies them to the template you have selected.

1. Launch "WebCam Companion 3 Utility" as instructed in ["Activating WebCam Companion 3" on page 30](#).
2. Select the **Masque** module from the Home screen.
3. Select a template from the left. You can create a new one or modify an existing template as well.
4. Both the selected template and the picture that will be taken are displayed. Adjust the distance between your face and the webcam until the webcam detects your eyes, nose, and mouth by showing 4 red dots in your picture.
5. Click .

By default, the morphed picture is saved under **My Documents > WebCam Media > Masque**.

Photo Booth

You can select and personalize the selected frames added to your pictures.

The **Photo Booth** module provides you with the pose detection function that detects your movement and take

pictures automatically once you hold the pose. To activate this function, click .

You can manually take a picture by clicking .

Video chat

To chat online, select to install or activate a free instant messaging program as instructed in "[Activating WebCam Companion 3](#)" on page 30. Follow the on-screen instructions to complete the installation.

Using Magic-i Visual Effects

"Magic-i Visual Effects" automatically launches with the "Capture", "Masque", "Photo Booth" modules, and "Chat" function of "WebCam Companion 3". You can use "WebCam Companion 3" with "Magic-i Visual Effects" to enhance the capture and video chat experience. Use a rich set of effect templates to make images and video chat fun and entertaining.



"Magic-i Visual Effects" is available when the resolution is set to 320 x 240 pixels or lower. Refer to "[Adjusting resolution](#)" on page 32 for setup.

Before you start using "Magic-i Visual Effects", click  and input the values to change the settings appropriately by dragging the scroll bars. You can also click **Auto** in each setting and the program will set the calculated values automatically. Available settings may vary by module.

When the settings are complete, you are ready to use "Magic-i Visual Effects" by selecting desired options from the left, including **Face Tracking, Digital Zoom, Filter, Frame,**

Theme, Avatar, Enhance, and Masque. For details, click  (at the top right corner) to read the Help file.

Adjusting resolution

When the CPU performance is low, you may need to adjust the resolution to make 'Magic-i Visual Effects' run correctly. Please change the default resolution "320 x 240 (QVGA)" to a lower one. You can select "176 x 144 (QCIF)" or "160 x 120 (SQVGA)".

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 Joybook Lite hardware can understand. The BIOS settings are needed by the Joybook Lite to identify the types of installed devices and establish special features.

⚠ BIOS settings are specific to your Joybook Lite 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 Joybook Lite.

📖 For latest BIOS updates, visit <http://www.benq.com/support/>.

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 Joybook Lite 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 BenQ 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.

Phoenix TrustedCore(tm) Setup Utility		
Main	Advanced	Security Boot Exit
BIOS Version0.02 System Time:[16:50:36] System Date:[09/16/2008] ▶Internal HDD[FUJITSU MHZ2080BH G2-(S1)] ▶Internal SSD[PATA SSD-(SM)] Total memory1527 MB CPU TypeIntel(R) Atom(TM) CPU N270 CPU Speed1600 MHz		Item Specific Help <Tab>, <Shift-Tab>, or <Enter> selects field.
F1 Help ↑↓ Select Item F5/F6 Change Values F9 Setup Defaults Esc Exit ↔ Select Menu Enter Select ▶ Sub-Menu F10 Save and Exit		

The BIOS setup screen can be divided into four 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 contains Help information about the current menu selected. When a menu item is highlighted, more detailed information is given.
- The bottom lines of the menu provide keyboard instructions for moving around and making selections.

Navigating the BIOS setup screen

Keyboard information can be found at the bottom 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	• 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	• 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>, <Tab> or <Shift> + <Tab> to change the next value.
- **System Date:** allows you to set the date of the system. Type in the value and then press <Enter>, <Tab> or <Shift> + <Tab> to change the next value.

Advanced menu

The Advanced menu contains advanced I/O (Input/Output) configuration settings of the system.

- **QuickBoot Mode:** allows the system to skip certain tests while booting.
- **Legacy USB Support:** allows the support of legacy USB devices during system boot and under DOS.
- **Frame buffer size:** determines the memory size that can be used by the Internal Graphics Device.
- **Remote Power On:** allows LAN to wake up the system from Sleep mode.

 **If you are not familiar with the items in the Advanced menu, you are advised to keep the default.**

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 Joybook Lite warranty documentation. Should you happen to forget or mislay the password once set, you will be greatly inconvenienced in gaining subsequent access to your Joybook Lite.**

- **Set Supervisor Password:** This set of password controls access to the whole BIOS setup menu. 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 fields and press <Enter>. Confirm your password by typing it again and pressing <Enter>.
- **Set User Password:** This set of password controls access to part of the BIOS setup menu.

- **Password on boot:** This item determines if a password will be prompted during system boot. When this item is enabled, the password is always required to boot the computer.

 **If Set Supervisor Password and Set 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.**

Boot menu

The Boot menu contains the boot configuration settings of the system. A list of devices will be displayed under **Boot priority order**.

- Use <↑> or <↓> to select a device, and then press <F6> to move it up or <F5> to move it down.
- To exclude or include a device in the "Boot priority order" list, press the <x> key.
- To select a boot device manually, press the <F9> key when the BenQ logo appears on the screen during system startup. The Boot Menu will appear. Use the up and down arrow keys (↑, ↓) to select a boot device, and then press <Enter> to confirm.

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.

- **Exit Saving Changes:** 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.
- **Exit Discarding Changes:** exits BIOS setup without saving the changes you have made.
- **Load Setup Defaults:** loads factory default values for all the items.
- **Discard Changes:** cancels all changes since last save, without exiting the BIOS setup utility.
- **Save Changes:** saves changes without exiting the BIOS setup utility.

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

Boot from LAN

During system startup, pressing <F12> will activate **Boot from LAN** feature, enabling your Joybook Lite to boot from an OS image via the network.

Installing additional memory

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

For details about the limit of maximum memory, refer to the product information from <http://www.BenQ.com>. Click **Products > Computing > Joybook Lite**, and then select your purchased model. Click **Specifications** to find out the limit of maximum memory.

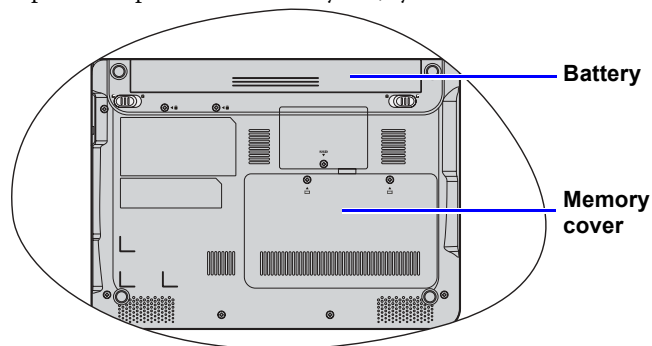
 To find out the types of BenQ certified memory modules for your Joybook Lite, try the steps below:

1. Connect to BenQ Online Service and Support (<http://www.benq.com/support/>).
2. Click Knowledge Base.

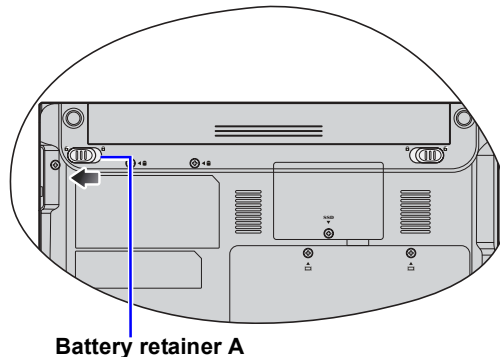
The website layout and content may vary by region/country.

-  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 parts and/or non-original accessories.

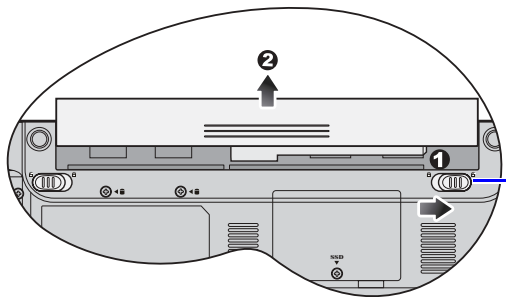
1. Shut down your Joybook Lite completely. Disconnect the power adapter and turn over your Joybook Lite.



2. Slide "Battery retainer" to the unlock  position.

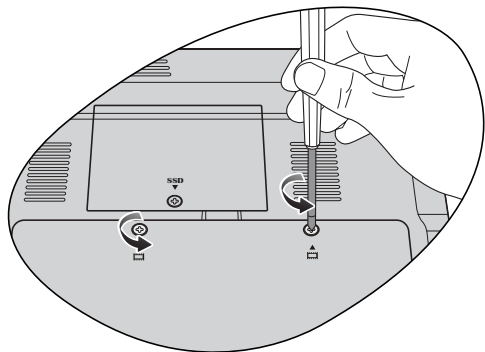


3. Slide "Battery retainer B" to the unlock  position (1) and, while still holding the retainer, pull the battery away from its compartment (2).

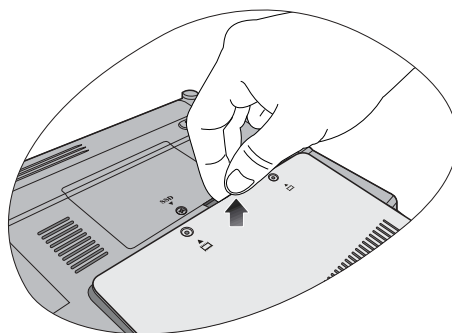


Battery retainer B

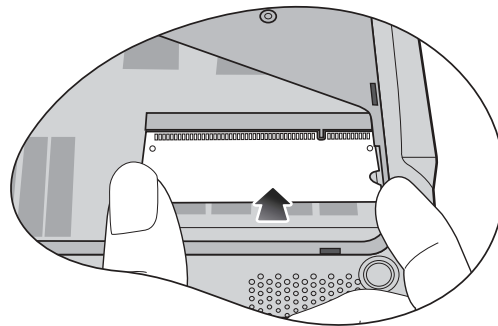
4. The memory cover is secured with 2 screws. Use a screwdriver to remove the screws.



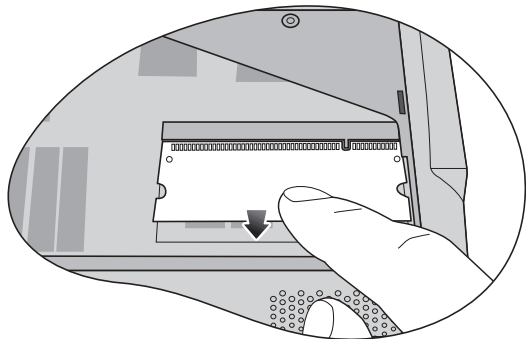
5. Remove the memory cover.



- ⚠ • **Ground yourself to your Joybook Lite with professional grounding equipment like an anti-static wristband, or touch the metal surface on the inside of your Joybook Lite to discharge any static electricity.**
 - **Handle the memory module by its edge and avoid touching the contacts.**
6. Align the memory module with the slot, and then insert it. When inserting, pay attention to the direction of the memory module.

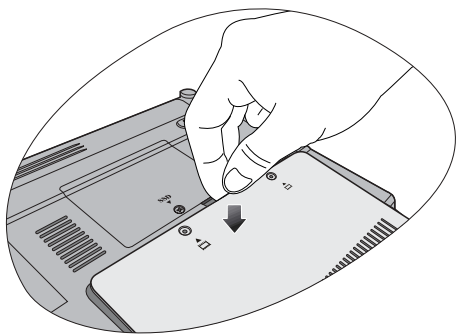


7. Gently push the free edge downwards until the module locks into place.

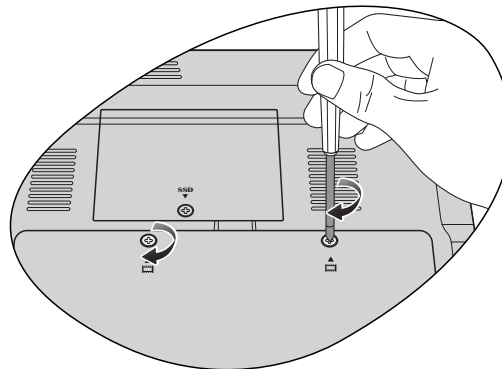


 **If the memory module is not installed properly, your Joybook Lite may not boot properly.**

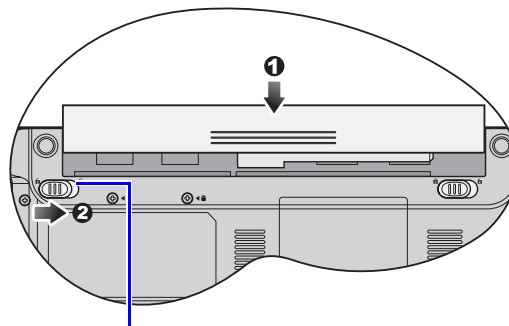
8. Replace the memory cover.



9. Use a screwdriver to secure the cover with the screws.



10. Place the battery on its original position (1), and then slide "Battery retainer A" to the lock  position (2). Connect the power adapter. When you start the Joybook Lite, it will automatically test and configure the new memory.



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 33](#).**

Recovering your system using QDataTrove

Introduction to QDataTrove

Your Joybook Lite may come pre-installed with QDataTrove depending on your purchased model. QDataTrove is an application that allows you to back up your system, restore your system, or burn system image and bundled applications/drivers into discs. In QDataTrove, the following three functional modules are available:

- **Back up:** This function allows you to back up your system drive into a single image file, back up your system drive into discs, or manually create a restore point. For details, refer to "[Backing up your system](#)" on page 41.
 - **Restore:** This function helps you recover your system with factory default system image or your own backup system image, when the system is abnormal or damaged. It also allows you to restore your system from a restore point, or reinstall bundled applications and drivers. For details, refer to "[Restoring your system](#)" on page 42.
 - **Create Discs:** This function allows you to create recovery discs from factory default system image or your own backup system image. It also allows you to back up all bundled applications and drivers into a disc. For details, refer to "[Creating recovery discs](#)" on page 43.
-  • **QDataTrove is not intended for backing up personal files, so it cannot help you recover a personal file that has been damaged or deleted. You should regularly back up your personal files and important data using a backup program.**

- **System recovery is a data destructive process. It is strongly recommended to back up all important data and applications prior to performing the operation.**
- **Make sure your system is connected to AC Power before using QDataTrove.**

How to launch QDataTrove

You can launch QDataTrove either from Windows Preinstallation Environment (Windows PE) or Windows XP.



Launching QDataTrove from Windows PE only allows you to access partial functions of QDataTrove. To utilize the full functionality of QDataTrove, launch this application from Windows XP instead.

Launching QDataTrove from Windows PE:

1. Start your Joybook Lite.
2. During system startup, press the <Alt> + <F10> keys when you see "Press Alt + F10 to enter QDataTrove 3..." on the upper left part of the screen.
3. After launching QDataTrove, click the **Back up** or **Restore** tabs to perform the desired operation.

Launching QDataTrove from Windows XP:

1. Start your Joybook Lite and boot into Windows XP.
2. Click **Start > All Programs > BenQ > QDataTrove > QDataTrove**.
3. After launching QDataTrove, click the **Back up**, **Restore**, or **Create Discs** to perform the desired operation.

Using QDataTrove on Windows XP

Backing up your system

- ☞ • **Make sure your system is connected to AC Power before performing the operation.**
- **A backup file will occupy a large amount of disk space, so make sure there is sufficient free space first. The amount of required space depends on the amount of used space on the C: drive.**

Backing up your system into a single file

QDataTrove allows you to back up your system drive (C: drive) into a single image file, by saving it as a Windows Imaging Format (WIM) file. It makes an exact copy of your entire system drive (C: drive), including the operating system, installed software programs, registry settings, etc. To perform the operation, follow the steps below:

- 💡 • **By default, backup files will be placed under "D:\BenQ User\System Drive", so make sure your D: drive has sufficient free space.**

1. In QDataTrove, click the **Back up** tab.
2. Click the  button to select **System Drive Backup - Backup to File**.
3. A **Save As** window pops up. Use the default file name or specify a preferred file name, and then click **Save** to create a system backup file.
4. A confirmation message appears. To proceed with the operation, click **Yes**.
5. Follow the remaining on-screen instructions to complete the operation.

Backing up your system into a disc

QDataTrove allows you to back up your system drive (C: drive) into CD/DVD discs. It makes an exact copy of your entire system drive (C: drive), including the operating system, installed software programs, registry settings, etc. To perform the operation, follow the steps below:

1. In QDataTrove, click the **Back up** tab.
 2. Click the  button to select **System Drive Backup - Backup to Disc**.
 3. A confirmation message appears. Click **Yes** to restart your Joybook Lite, and it will enter Windows PE automatically to make a system backup image.
 4. After backup finishes, the system will boot into Windows XP automatically. A **Create User Recovery CD/DVD** window appears on the screen.
 - a. Select a disc type from the **Disc Category** drop-down menu.
 - b. Click **OK** to proceed.
- ☞ • **The disc types (CD/DVD) and ability (reading/recording) of the optical drive may vary depending on your purchased model.**
 - **The required number of discs may vary depending on the size of your system image.**
5. Follow the remaining on-screen instructions to complete the operation.

Creating a restore point

Restore Points are the earlier states of your Joybook Lite's system drive created by **System Protection** featured on Windows XP **System Restore**. By default, restore points are created at specific intervals and before significant system events, such as before installing a new software.

Should your system become unstable or encounter unexpected loss of data, you can then try to restore your system drive to its previous state from a list of restore points.

 **For more information about System Protection, refer to Help and Support on Windows XP.**

QDataTrove allows you to access **Backup and Restore Center** on Windows XP, and manually create a restore point whenever needed. To perform the operation, follow the steps below:

1. In QDataTrove, click the **Back up** tab.
2. Click the  button to select **Create a Restore Point**.
3. On Windows XP, to create a restore point manually, key in the description of the restore point and follow the remaining on-screen instruction to add a new restore point.

Restoring your system

The Restore feature helps to bring your Joybook Lite back to its factory default settings or to an earlier state. In order to restore, you need to back up your system drive, or create a restore point first.

Should your system become unstable or damaged, try to recover your system with the restore solutions provided in this functional module.

Restoring your system to factory default settings

QDataTrove allows you to restore your system drive (C: drive) to the factory default configuration.

1. In QDataTrove, click the **Restore** tab.

2. Click the  button to select **Full System Restore - Factory Default Settings**.

3. A dialog box asking whether you wish to adjust the size of disk partition appears.

-  • If you select "Yes", all programs you installed or data you saved on both the C: drive and the D: drive will be erased.
- If you select "No", all programs you installed or data you saved on the C: drive will be erased. However, data on the D: drive will not be affected.

4. Follow the remaining on-screen instructions to complete the operation.

Restoring your system to your own backup system image

QDataTrove allows you to restore your system drive (C: drive) to a previous state with your own backup system image.

 **To perform this operation, a backup system image file is required. For details about making your own backup system image, refer to "Backing up your system into a single file" on page 41 or "Backing up your system into a disc" on page 41.**

1. In QDataTrove, click the **Restore** tab.
2. Click the  button to select **Full System Restore - Backup Image**.
3. A **Open** dialog box appears. Browse to select a backup system image, and then click **Open**.
4. A confirmation message appears. To proceed with the operation, click **Yes**.
5. Follow the remaining on-screen instructions to complete the operation.

Restoring your system from a restore point

QDataTrove allows you to restore your system drive (C: drive) to previous states by restoring from a list of restore points (if available).

 **To perform this operation, a restore point is required. For details about manually creating a restore point, refer to "Creating a restore point" on page 41.**

1. Click the  button to select **Restore from a Restore Point**.
2. A **System Restore** wizard then appears on the screen. Follow the step-by-step on-screen instructions to complete system restore.

 **For more information about System Restore, refer to Help and Support on Windows XP.**

Reinstalling bundled applications and drivers (available on selected models)

QDataTrove allows you to reinstall the applications and drivers that are bundled with the Joybook Lite you purchase.

1. Click the  button to select **Reinstall Applications and Drivers**.
2. You can perform the following tasks on the main screen that appears.
 - To install drivers, click **Install Joybook Driver**.
 - To install applications, click **Install Joybook Application**.
 - To view information about the applications and drivers that are bundled with your Joybook Lite, click **View Software List**.

3. Follow the remaining on-screen instructions to complete the operation.

Creating recovery discs

 **To use this function, your Joybook Lite must come with a CD/DVD burner. If your model does not come with a CD/DVD burner, use an external DVD burner instead if you wish to create discs.**

QDataTrove allows you to create the following important discs for your system:

- **Recovery discs:**
 - Factory Recovery CD/DVD
 - User Recovery CD/DVD
- **Bootable USB Disk**

Depending on your purchased model, your Joybook Lite may come with bundled applications and software programs. If you intend to use discs to restore your system and reinstall the bundled applications and software programs that came with your Joybook Lite, insert the recovery discs and the Application and Drivers DVD created using QDataTrove into the optical drive of (or connected with) your Joybook Lite, and follow the on-screen instructions.

Creating a Factory Recovery CD/DVD

You can use QDataTrove to create a recovery disc that includes factory default system image, and a disc that includes applications and drivers that are bundled with your Joybook Lite.

Important:

It is strongly recommended to create Factory Recovery CD/DVD immediately once your Joybook Lite is ready for use.

1. Click the  button to select **Create Factory Recovery CD/DVD**.
2. Select a disc type from the **Disc Category** drop-down menu. Click **OK** to proceed.
3. Insert a blank disc when prompted to do so, and then click **Yes**.
4. Select your preferred burning speed, and then click **OK**.
5. The disc burning process starts. A **Create Factory Recovery CD/DVD** window appears on the screen and displays the current status.

 **Please note that the burning process cannot be interrupted once started.**

6. (Available if your model comes with bundled applications) Continue to create a factory default Application and Driver DVD. Repeat Step 2 to Step 6 to complete the disc burning process.
7. After disc burning finishes (the progress bar shows 100% completion), click  at the top right corner of the window to proceed.
8. Click **Exit** and then **Yes** to leave the application. Store the discs in a safe place for future use.

Creating a User Recovery CD/DVD

You can use QDataTrove to create recovery discs that include your own backup system image file.

1. Click the  button to select **Create User Recovery CD/DVD**.
2. Select a disc type from the **Disc Category** drop-down menu, and then select the source of your system image file in **Source Image**. Click **OK** to proceed.

3. Insert a blank disc when prompted to do so, and then click **Yes**.
4. Select your preferred burning speed, and then click **OK**.
5. The disc burning process starts. A **Create User Recovery CD/DVD** window appears on the screen and displays the current status.

 **Please note that the burning process cannot be interrupted once started.**

6. After disc burning finishes (the progress bar shows 100% completion), click  at the top right corner of the window to proceed.
7. Click **Exit** and then **Yes** to leave the application. Store the discs in a safe place for future use.

Creating Bootable USB Disk

You can use QDataTrove to create a bootable USB disk to recover your system to the factory settings.

1. Connect a USB disk to your Joybook Lite.
2. Click the  button to select **Create Bootable USB Disk**.
3. Select a connected USB disk from the USB device drop-down menu. Select the USB disk carefully if you have more than one USB disk connected to your Joybook Lite at the same time. All the data stored on the one used for bootable USB disk will be erased.
4. If there is sufficient space on the selected USB disk, you can click **OK** to proceed.
5. After the bootable USB disk is complete (the progress bar shows 100% completion), click  at the top right corner of the windows to proceed.

6. Click **Exit** and then **Yes** to leave the application.
Store the USB disk in a safe place for future use.

Protecting your Joybook Lite from viruses and other security threats

Your Joybook Lite may come pre-installed with an anti-virus software, which can help you avoid unexpected destruction of your precious data in the Joybook Lite and keeps your privacy against any unauthorized access from other computers.

The anti-virus software protects your computer against Internet threats, such as viruses, Spyware, hackers, and spam. In addition, you can secure your personal information, block unwanted web sites, and check e-mail for viruses.

However, we would still recommend that you back up your data regularly on CDs, DVDs, or other external storage device, since the anti-virus software may not be able to intercept all existing and new viruses, which may lead to destruction of all or some of your data in the Joybook Lite.



For more information about how to use the anti-virus software installed, refer to the online help that comes with the software.

Furthermore, it is also recommended to set Windows to automatically install important updates for your Joybook Lite. Important updates can bring you significant benefits, such as improved security and reliability.



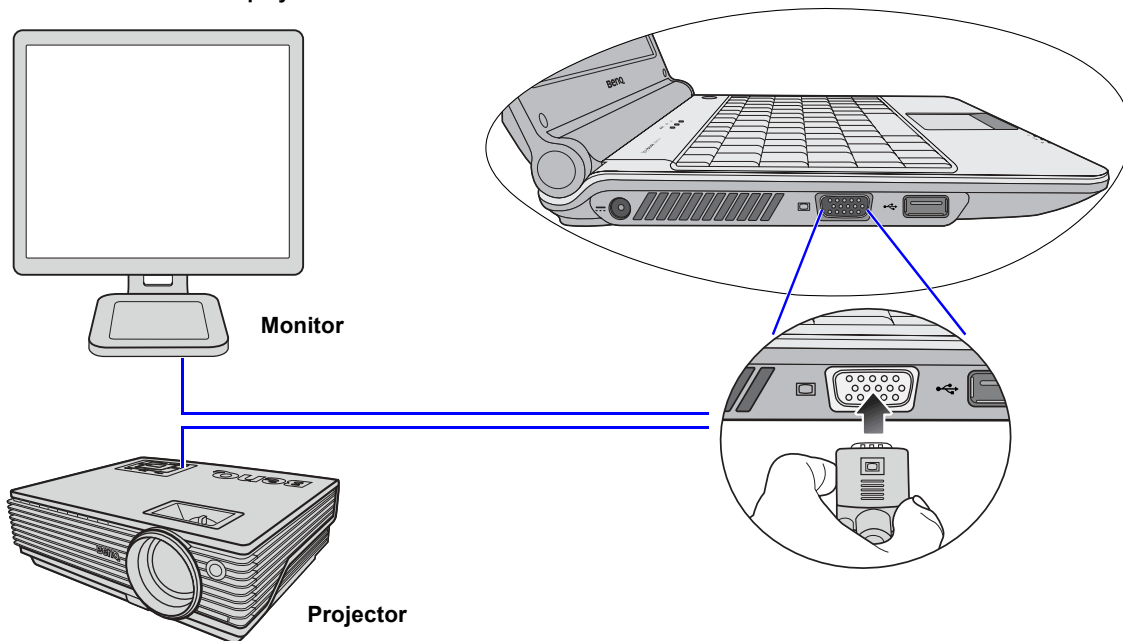
For more information about how to use Windows Update, refer to Help and Support on Windows XP.

Connecting to external display devices

Connecting to a VGA display device

You can output Joybook Lite's video signal to an external display device, such as a projector or monitor. Once the VGA cable is connected properly, simultaneous display will be available on your Joybook Lite and the external display device automatically.

 Pressing the <Fn> + <F3> hotkey combination allows you to switch between Joybook Lite's own screen and the external display device, or use simultaneous display.

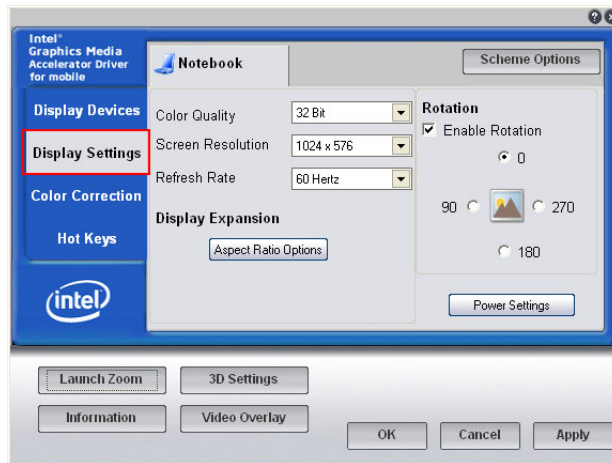


Adjusting the video output

The screen resolution may not be supported on your connected display device. Therefore, you may encounter situations like a blank or flickering screen. To fix the problem, refer to the documentation that came with your display device, or try to adjust the screen resolution by following the steps below.

On Windows XP:

1. Double click  in the notification area at the lower right of the desktop, or right-click on the desktop.
2. Select **Graphics Properties > Display Settings**.
3. Adjust to an applicable screen resolution and refresh rate. And click **Apply** and **OK**.



On Linux:

Go to **Settings > Display**, and adjust to an applicable screen resolution and refresh rate.

Getting started with Linux (available on selected models)

Depending on your purchased model, your Joybook Lite may come pre-installed with Linux.

Whether your purchased model comes pre-installed with Windows XP or Linux, your Joybook Lite provides the same hardware functionality and capability. You can refer to the following sections for detailed information.

- ["Getting started" on page 3.](#)
- ["Touring your Joybook Lite" on page 8.](#)
- ["Using the touchpad" on page 15.](#)
- ["Function hotkeys" on page 17.](#)
- ["Using BIOS setup" on page 33.](#)
- ["Installing additional memory" on page 37.](#)
- ["Connecting to external display devices" on page 46.](#)

On Linux, you can enter text and use hotkey combinations as you would on a Windows operating system, but the pre-defined Windows key combinations do not work.

The following sections describe the basic setup and operations on Linux. For details on using the provided programs on Linux, please refer to the Help files that come with the programs.

Turning on/off your Joybook Lite properly

- To turn on the Joybook Lite, press the Power button .
- To turn off the Joybook Lite, click  in the notification area located at the lower right corner of the desktop, and select **Shut Down**.

Getting to know the desktop

After you have turned on the Joybook Lite, you are guided to the desktop.



No. Right-side components

- (1) **Forward/backward button (available when picture browsing function is activated)**
Refer to ["Playing pictures on desktop" on page 55](#) for details.

- (2)  **Main menu button**
Brings up the main menu as an access to all functions and programs.

- (3) **Notification area**
Shows the computer status, including network connection, power status, and time information.
- (4) **Picture playback button**
Refer to ["Playing pictures on desktop" on page 55](#) for details.

Getting to know the main menu

All of the programs are organized by 6 tabs in main menu for you to access easily: **Net-Surf**, **Communicate**, **Work**, **Media**, **Games**, and **Settings**.

To open the main menu, you can click , or press the  key on the keyboard.

To close the main menu, you can click , or click once on the desktop.

There are 3 pre-defined shortcuts under each tab in the main menu. After you select one tab, all programs collected under that tab will be displayed. You can select a desired program to activate it directly.



Basic setup

You can set up time, customize the Joybook Lite to better meet your need, and configure network connections.

Setting time

To set up system time and date, go to **Settings > Time & Date**.

Managing the system power

By default, there are three power plans that help manage your system power, and enable the pre-defined activity when the set time arrives or when the battery power is low. You can change the current settings, or create your own power plan as well.

To manage the power, go to **Settings > Power Manager**.

Ending unnecessary tasks

To utilize the computer performance, you may want to end programs that have stopped responding, or check the running programs, processes, CPU and memory usage. To do so, go to **Settings > System Monitor**.

Text entry

Installing text input methods

1. Right-click  in the notification area located at the lower right of the desktop, and select **SCIM Setup**.
2. Select **IMEngine > Generic Table**, and install the desired text input methods. Follow the on-screen instructions to complete the process.

Setting text input languages

1. Right-click  in the notification area and select **SCIM Setup**.
2. Select **IMEngine > Global Setup**, and check to enable the desired languages. Confirm with **Apply** and **OK**.
3. Right-click  in the notification area and select **Keyboard Layout Settings**.
4. Check the desired languages so that the keypad layout corresponds to the input languages. Confirm with **OK**.

Once the keyboard layout is set, you can click  to switch to the set languages.

Switching to other text input methods

1. Make sure that the input language and the corresponding keyboard are supported by following the steps in ["Setting text input languages" on page 51](#).
2. Wherever text input is required, press the <Ctrl> key and the space bar on the keyboard to switch to the desired input method.

Updating your Joybook Lite

You can retrieve updates for the operating system from the update server. To do so, go to **Settings > Live Update**. Your Joybook Lite will then connect to the update server automatically. If an update is available, download and installation will be done automatically.

Make sure that the network connection is configured properly and your device is connected to the Internet before activating this program. For network connection, refer to ["Connecting to the networks" on page 52](#).

Basic operations

Connecting to the networks

Many of the programs on your Joybook Lite require network connectivity. With the access to the Internet you can browse the web pages, sending e-mail or exchanging instant messages with friends and co-workers. Depending on your purchased model, connections can be made with a local area network (LAN) and a wireless local area network (WLAN; available on selected models). Make sure that the network connection is configured properly and your device is connected to the Internet before activating these programs.

Using LAN

Connect a network cable to the LAN port of your Joybook Lite. Refer to "[LAN \(Local Area Network\) port \(RJ-45 connector\)](#)" on [page 11](#) for details.

 For details on settings, contact your network service provider.

Using WLAN (available on selected models)

1. Press the <Fn> + <F10> hotkey combination a few times until WLAN is "ON". When WLAN is turned on, the WLAN/Bluetooth indicator  will light up in blue or purple.
2. Click on  at the lower right corner of the desktop. A list of available wireless networks will be displayed.
3. Choose a network to 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.

 Refer to the notes in "[Using built-in wireless connectivity \(available on selected models\)](#)" on [page 21](#) for more information.

Using Bluetooth (available on selected models)

Connecting to other Bluetooth devices

1. Press the <Fn> + <F10> hotkey combination a few times until Bluetooth is "ON". When Bluetooth is turned on, the WLAN/Bluetooth indicator  will light up in amber or purple.
2. Turn on the power of your Bluetooth device and activate its Bluetooth function. You also need to make your Bluetooth device "Discoverable".
3. Right-click on the Bluetooth icon  in the notification area located at the lower right corner of the desktop, and then click **Browse Device**.
4. A list of available Bluetooth devices is displayed. Select a desired Bluetooth device, and click **Connect**.
5. You may be requested to enter a passkey for both devices. Refer to the documentation that came with your Bluetooth device to determine if there is a pre-defined passkey. If not, decide a passkey for both devices. Follow the on-screen instructions to proceed.

Sending a file to a Bluetooth device

1. After your Joybook Lite is connected to a Bluetooth device, right-click on the Bluetooth icon  in the notification area located at the lower right corner of the desktop, and then click **Send File**.

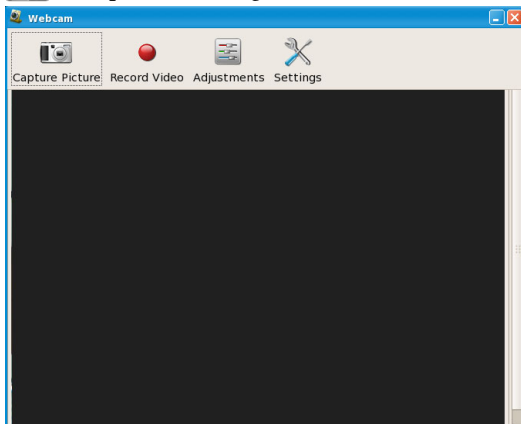
2. Browse the Joybook Lite to select the file you want to send, and click **Open**.

Using the built-in webcam

With the built-in webcam on the inside top of the lid above the screen, you can capture still images and record videos.

To activate the webcam, go to **Media > WebCam**.

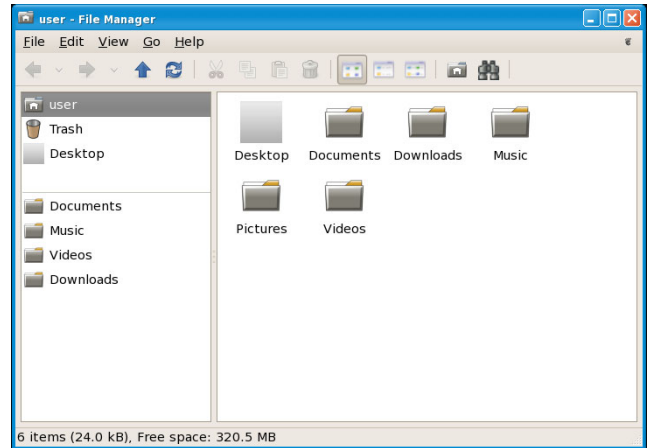
Click  to capture still images; click  to start recording.



Browsing and managing the files

If you want to browse through the files and folders stored on the Joybook Lite, or on the loaded memory card and connected USB flash drives, go to **Settings > File Manager**.

Once you find a file you are interested in, double click to open it up in its associated program application. You can also use the copy-paste function or move the files and folders freely from one directory to another.



 For memory cards compatible with your Joybook Lite, refer to **"Four-in-One memory card slot" on page 10**.

Surfing the Internet

Once the network connection is properly configured and your Joybook Lite is connected to the Internet (as instructed in ["Connecting to the networks" on page 52](#)), you are ready to view information on the World Wide Web, transfer data to and from networks.

Your Joybook Lite has combined several commonly-used web browsers and shortcuts to network services for you. To access these browsers and shortcuts, go to **Net-Surf**.

Communicating with your friends

You can receive, view, compose, and send e-mail messages, or exchange instant messages with your friends or co-workers online. To access these functions, go to **Communicate**.

Using e-mail

To create new e-mail messages you have to configure at least one e-mail account. You need to get the account from the mail service provider before you proceed with account setup on your Joybook Lite.

Before you send or receive e-mail messages, make sure that the device is connected to a network. Refer to ["Connecting to the networks" on page 52](#) for setup.



Exercise caution when opening messages. E-mail and instant messages may contain malicious software or otherwise be harmful to your device.

Using instant messaging services

You can create and receive instant messages via Internet. Instant Messaging (IM) provides real-time communication service which lets you connect to multiple networks.

Make sure you have configured the Internet connection properly, and get the IM account(s) from the service provider(s), before using instant messaging services.

Using Work

The Joybook Lite comes with document editors, personal information managers, and some useful tools that make a helpful workplace for you.

Editing your document

The Joybook Lite provides several document editors that allows you to read, edit and create documents in several different formats. You can create text files (using **Text Editor** and **Writer**), spreadsheets (using **Spreadsheet**), and presentations (using **Presentation**) as you would in a computer that is pre-installed with Windows operating system. Files created on Linux can be saved in main file formats and are Microsoft Windows compatible.

Managing your appointments

In **Work**, you are also provided with tools that help manage your appointments and schedules. You can set reminders, and keep track of things you need to do.

Some of the tools may require network connectivity and you will be able to synchronize your personal information with your friends via network. Make sure that the network connection is configured properly and your Joybook Lite is connected to the Internet before activating these programs.

Playing games

There are several pre-installed games in **Games** on your Joybook Lite.

To find out how to play the games, read the on-screen Help file.

Playing multimedia files

Your Joybook Lite is pre-installed with graphic drawing tools, video players, music players, and picture editors.

Locate the file you want to play, and double click to open it up in its associated program application.

Alternatively, you can right-click on a file to bring up a function menu, and select **Open With Other Application** to select an appropriate program.

Refer to the Help files that comes with the programs for details.

Playing pictures on desktop

You can set one of the pictures stored on your Joybook Lite as wallpaper on the desktop, and play pictures in the same folder directly from the desktop.

1. Store the pictures you want to view from desktop in **Settings > File Manager > Photoframe**.
2. On the desktop (without the main menu displayed), move the cursor to the lower right corner of the desktop until  is displayed, and click on it.
3. The current wallpaper image is played in full screen. You can click  or  to view other pictures stored in the same folder.

Alternatively, you can set to let Joybook Lite play pictures while screensaver is enabled. Go to **Settings > Screen saver** for setup.

Recovering your system on Linux

The system recovery feature lets you restore your system to the factory default settings. Should your system become unstable or damaged, try to recover your system with the recovery solution in the provided Recovery CD.

- ! • **System recovery is a data destructive process. It is strongly recommended to back up all important data on your device prior to performing the operation.**
- **Make sure your device is connected to AC power before performing the operation.**

Preparing for system recovery

Before you perform the system recovery, make sure that you have the following items on hand.

For restoring the system:

- The recovery CD that came with your Joybook Lite
- An external optical drive that has the USB interface.

For creating a bootable USB disk:

- The recovery CD that came with your Joybook Lite
- A computer that comes with an optical drive
- A completely empty USB flash drive, with minimum capacity of 2 GB.

Restoring your system to factory default settings

1. Press the Power button to start up your Joybook Lite.
2. Press the <F2> key during system startup to enter the BIOS setup. Under **Boot > Boot priority order**, set a bootable optical drive as the first device by following the on-screen help information.

Alternatively, you can press the <F9> key during system startup (immediately when the BenQ logo appears), and select the USB optical drive from the list.

3. Make sure that the provided Recovery CD is inserted into the external optical drive, and the optical drive is connected to your Joybook Lite.
4. Exit the BIOS setup by selecting **Exit Saving Changes**.
5. Follow the on-screen instructions to complete the process.
6. After the recovery process is complete, remove the external optical drive.
7. Restart your Joybook Lite.

Creating a bootable USB disk

You need to create the bootable USB disk on another computer that comes with an optical drive.

1. Insert the provided Recovery CD into the optical drive.
2. Connect a USB flash disk with the minimum capacity of 2 GB to the computer. Select the USB disk carefully if you have more than one USB disk connected to your computer at the same time. All the data on the one used for bootable USB disk will be erased.
3. Start up your computer. Enter the BIOS setup during system startup, and set the optical drive as the first boot device. Save the changes and exit the BIOS setup.
4. Reboot your computer. From the option list, select **Create Recovery USB Drive**.
5. When a list of available USB devices is displayed, select the USB disk used for bootable USB disk. Follow the on-screen instructions to complete the process.

Store the bootable USB disk in a safe place for future use.

FAQ and troubleshooting

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

General

? What is Joybook Lite? What are the differences between the Joybook Lite and traditional notebooks?

- ☞ BenQ has combined entertainment and stylish design with traditional notebook's functions into your Joybook Lite. For example, enhanced 3D processing power for gaming and movie viewing. With your Joybook Lite, you will be able to enjoy the more exciting audio and visual experience than ever!

? 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.

Battery and power

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

- ☞ The length of the charging time may vary. When the amber light of the battery indicator goes off, it means that the battery is fully charged.

? My Joybook Lite 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 BenQ dealer.

? What should I do with the battery if I will not use my Joybook Lite 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°C. Extremely high or low temperature will shorten the battery life.

② **The battery indicator on my Joybook Lite suggests that the battery is fully charged. However, when I check it from the Power Manager on Windows, the battery level is only about 95%-99%. Why?**

☞ It is the result of the battery protection design of your Joybook Lite. When the battery indicator on your Joybook Lite goes off, it means that the battery has reached a saturated voltage: 95%~99%. At this moment, the voltage difference detected by your Joybook Lite 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.

② **How come my notebook is not fully charged even after a full night charge?**

☞ Make sure the Joybook Lite is receiving power. Is the power cord plugged in correctly? If the battery is installed in the Joybook Lite 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 Joybook Lite, or the AC power cord may be defective. Consult your BenQ dealer for help and maintenance.

② **What should I do if the battery gets hot in my Joybook Lite?**

☞ Take the battery out and let it cool down for a while. If the problem persists when the battery is inserted again into your Joybook Lite later, the battery could be defective and it may need

to be replaced. Consult your BenQ dealer for help and maintenance.

② **I have pressed the Power button, but my Joybook Lite cannot start up.**

☞ Check the Power button indicator.

- If it is not lit up, your Joybook Lite 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 Joybook Lite and a working electrical outlet, so the battery can start charging.

- If the Power button indicator lights up in amber, the Joybook Lite is being supplied normally with power, meaning that the problem lies elsewhere.

- If you have added 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. Refer to ["Recovering your system using QDataTrove" on page 40](#) or ["Recovering your system on Linux" on page 56](#) for details.

② **Why does the battery on my Joybook Lite seem to last shorter and shorter?**

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

Connection

❓ I cannot connect to the Internet with the built-in network interface on my Joybook Lite. 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.

On Windows XP:

1. Right-click **My Computer** and select **Properties** > **Hardware** > **Device Manager**.
 2. Double-click **Network adapters**. When the name of the network adapter of the Joybook Lite appears, double-click on it.
 3. The Properties window will pop up. Click the **Advanced** tab, and then click the **Speed & Duplex** item on the left.
 4. 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> + <F10> 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 Joybook Lite? Please press the <Fn> + <F10> hotkey combination to enable WLAN.
- On Windows XP, click the **Start** button and select **Control Panel** > **Network and Internet Connection** > **Network Connections**. Double-click **Wireless Network Connections**.
On Linux, go to **Settings** > **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 Joybook 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 on Windows XP?

☞ Windows uses disk space for operations, such as caching and virtual memory. The Joybook Lite 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**, and then click **My 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.

⑦ How do I update the driver?

☞ *On Windows XP:*

Please visit BenQ Online Service and Support (<http://www.benq.com/support/>) to search for driver updates.

On Linux:

Select **Settings > Live Update**. The Joybook Lite will connect to the BenQ server directly.

⑦ 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 Joybook Lite 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.

On Windows XP:

- 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 Joybook Lite. 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**, and then click **OK**. Restart your Joybook Lite.
 - 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 Joybook Lite. 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 Window takes to access the hard disk. It will also help solve problems associated with spooling print job.
1. Close all running programs.
 2. Click the **Start** button and select **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 > My 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 Joybook Lite. It may take a long time to complete.

To run **Disk Defragmentation** on Windows XP:

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 **Defragment**. 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 Joybook Lite and try again.

On Linux:

- Empty the Trash. Select **Settings > File Manager**. Right-click **Trash** on the left and select **Empty Trash**.
- End unnecessary tasks or programs that have stopped responding. Select **Settings > System Monitor**. Under the **Processes** tab, select the unnecessary process and click **End Process**.

USB devices quit working unexpectedly on Windows XP. 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 > My Computer**.
2. Click **Properties > Hardware > Device Manager**.
3. Double-click the **Universal Serial Bus controllers** branch to expand it.
4. Right-click **USB Root Hub**, and then click **Properties > Power Management**.
5. Deselect **Allow the computer to turn off this device to save power**.
6. Repeat Step 5 to Step 7 for each USB Root hub.
7. Click **OK**, and then close **Device Manager**.

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



Typically, the Joybook Lite 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 Joybook Lite has a thermally controlled fan, when the CPU and/

or internal temperature of the Joybook Lite reaches a certain temperature level, the fan is turned ON and stays ON until the temperature drops to a pre-defined level.

② 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> + <F7> 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 Joybook Lite's built-in speakers automatically.

② 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.

② I hear noise when connecting an earphone to the Joybook Lite.

☞ 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.

② **How can I reduce the wearing of the screen hinge when I lift up the lid of my Joybook Lite?**

☞ 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.

② **What should I do if a program on Windows freezes?**

☞ *On Windows XP:*

If your system freezes, press the <Ctrl> + <Alt> + keys simultaneously, click **Applications** under **Windows Task Manager**, and then right-click on the application that freezes and click **End Task**.

On Linux:

Select **Settings > System Monitor**. Under the **Processes** tab, select the process that freezes and click **End Process**.

② **Why is my Joybook Lite 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 vent. For example, do not use the Joybook Lite in bed where a blanket may inadvertently cover the vent and block the airflow.

② **Why does my Joybook Lite seem to turn off itself after a certain period of inactivity?**

☞ This is the default setting of the Joybook Lite to conserve battery power. The Joybook Lite is configured to use the power saving feature. You can go to **Start > Control Panel > Performance and Maintenance > Power Options** on

Windows to adjust the setting manually. On Linux, you can go to **Settings > Power Manager**.

② **Should I drain the battery of my Joybook Lite every time before charging to retain its capacity?**

☞ No. Your Joybook Lite 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

② **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 Joybook Lite. Connect the power adapter and restart the Joybook Lite.
- If it lights up in amber, the Joybook Lite 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 blue, the Joybook Lite 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> + <F5> hotkey combination to increase the brightness.
 - The display may have been switched to use an connected external display device. Use the <Fn> +

<F3> hotkey combination to switch the display back to the Joybook Lite or to use simultaneous display.

② When I connect the Joybook Lite to an external monitor, the display is abnormal.

 The instructions below will guide you through the troubleshooting process.

- Use the <Fn> + <F3> 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 Joybook Lite and reboot the system. If there is no display on the external monitor after system reboot, connect the Joybook Lite to a standard VGA monitor, and wait until you can see things properly on that VGA monitor. Then, connect the target display to the Joybook Lite again.

② How can I judge if my LCD panel is out of order and what should I do if this happens?

 If your Joybook Lite cannot display images at the default resolution, please visit the BenQ web site to download and update the latest Joybook Lite display drivers.

Contact your BenQ 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 Joybook Lite.
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 Joybook Lite

When cleaning the Joybook Lite, follow the steps below:

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

Service and support

BenQ Joybook Lite Global Online Service

Welcome to BenQ Joybook Lite Global Online Service (<http://www.benq.com/support/>). In order to ensure you an enjoyable experience with your Joybook Lite, the following supports are provided so you can get assisted whenever and wherever you are.

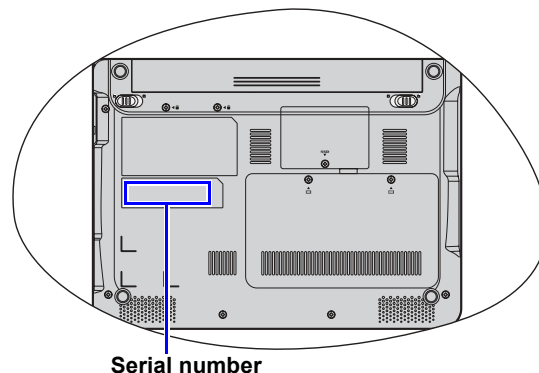
- **Support:** Here you can select the country/region you are located in, and visit the specific support web site.
- **Knowledge Base:** Contains answers to frequently asked questions about the Joybook Lite as well as additional tips.

You can access **Contact us** to directly contact BenQ Customer Service for answers and advice to your questions. You can also obtain the information about the BenQ service stations in your country.

Joybook/Joybook Lite Overseas Regional Warranty (ORW) online registration

Register now to get free product news and latest information about BenQ! To register, follow the steps below:

1. Refer to the illustration below to locate the 13-digit product serial number on the bottom side of your Joybook Lite and write it down.



2. Connect to <http://service.benq.com/orw/joybook>
3. Click **Register Now** to begin with registration and follow the instructions on the screen to proceed.

Appendix

General safety information

When setting up or operating your Joybook Lite, 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 Joybook Lite on a stable, level surface, and ensure that the ventilation holes are not obstructed.
4. Do not expose your Joybook Lite to rain or excess humidity, and keep it away from liquids (such as beverages, faucets, and so on).
5. Do not expose your Joybook Lite 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 Joybook Lite to heavy impacts or strong vibrations. When closing the Joybook Lite, do not use excessive force.
7. Do not use your Joybook Lite near a gas leak.
8. Do not store your Joybook Lite in environments where the temperature is below 0°C or above 50°C, nor use your Joybook Lite 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 Joybook Lite 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 Joybook Lite 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 BenQ 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 Joybook Lite. 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.

Declaration of Conformity CE

For the following equipment:

Type of Equipment:

Notebook PC

Brand name or mark:

BenQ

Model designation(s)/Model no(s):

Joybook Lite U101 Series; DHU100

Company name, address, telephone & fax no.

Name: BenQ Europe B.V.

Ekkersrijt 4130, 5692 DC Son Address:

The Netherlands

TEL/Fax: +31 (499) 750 500 /+31 (499) 750-599

is herewith confirmed to comply with the requirements set out in the Council Directive on the Approximation of the Laws of the Member States relating Electromagnetic Compatibility (2004/108/EC) and Low Voltage Directive (2006/95/EC) and R&TTE Directive (1999/5/EEC).

For the evaluation regarding the electromagnetic compatibility, the following standards were applied:

EN 55022

EN 55024

EN 301 489

EN 301 511

EN 301 908

EN 300 328

EN 50392

IEC 60950-1 or EN 60950-1+A11

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 захранване. 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 atbilstošai 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.