

BenQ

Joybook Lite

U121 Eco 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 software, parts, and/or non-original accessories.

Joybook Lite models covered by this manual

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

- Joybook Lite U121 Eco Series (DH1200)

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

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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
Using your Joybook Lite	Information about operating your Joybook Lite
Using BIOS setup	Information about how to use the BIOS setup utility
Recovering your system using QDataTrove	Information about using system backup and restore tools
Replacing the memory	Information about how to replace RAM memory

FAQ and troubleshooting	Information about frequently asked questions and troubleshooting
Cleaning and battery maintenance	Information about cleaning and battery maintenance
Service and support	Information about Joybook Lite service and support
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 Windows XP.

In this book, the steps needed to reach a menu are shown in condensed form, for example: **Start > Help and Support**. The

Control Panel options mentioned are organized by the default category view.

Getting started



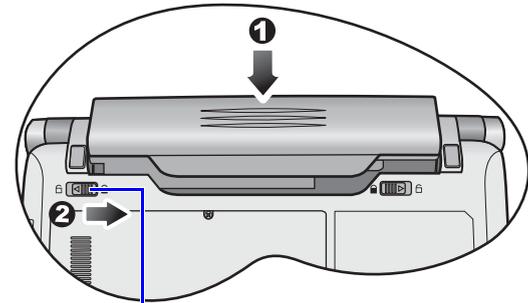
Depending on the model of your Joybook Lite, the appearance may be different from the illustrations shown in this manual.

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

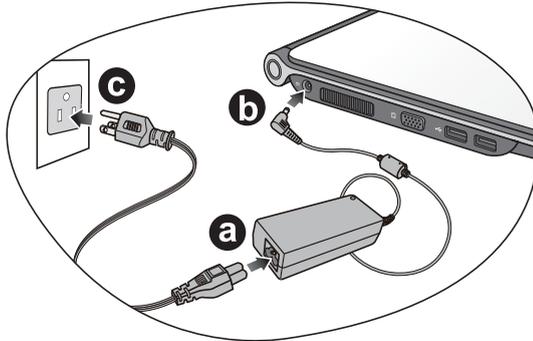
1. Installing the battery pack



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

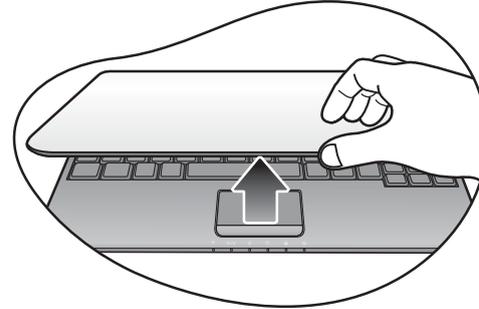


- a. Connect the power cord to the power adapter.
- b. Connect the power adapter to the power jack on your Joybook Lite.
- c. Connect the power cord to a power outlet. The Joybook Lite will automatically start charging the battery.



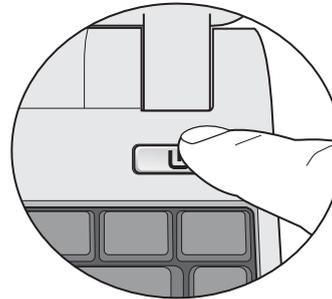
- The battery pack is shipped with low charge from the factory. You can still use your Joybook Lite while the battery is charging.
- Power systems and plug types may vary depending on your country/region.
- When the battery is charging, the battery indicator lights up in amber. When the battery is fully 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, the Power button indicator then lights up in white. And then follow the

on-screen instructions to complete the initial Windows XP setup.



- Your Joybook Lite U121 Eco 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



Important:

It is strongly recommended to create Factory Recovery DVD immediately once your Joybook Lite is ready for use. Refer to "[Creating a Factory Recovery CD/DVD](#)" on page 40 for details.

Saving power of your Joybook Lite

Your Joybook Lite features a **Power Save** mode that allows you to save power by decreasing backlight brightness and switching off certain functions and devices quickly.

To activate the **Power Save** mode, press the <Fn> + <F12> hotkey combination. By default, the following functions and devices will be switched off immediately.

- Wireless LAN (WLAN)
- Bluetooth
- 3G connection
- Webcam

In addition, the following settings will be changed at the same time as preset in BIOS setup menu.

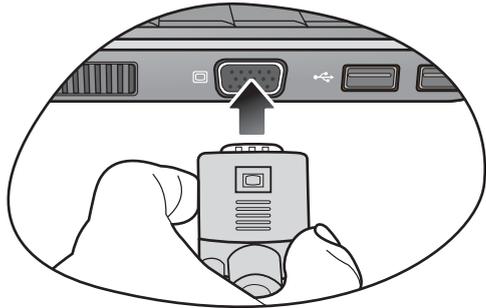
- Backlight brightness
- CPU throttling (which decides the frequency scaling of the CPU and conserves power if the percentage is decreased)

If you intend to keep some functions or devices on during **Power Save** mode, do one of the following:

- Press the hotkey combinations to activate the designated functions manually. Refer to "[Function hotkeys](#)" on page 17 for details. The enabled functions remain on after the **Power Save** mode is deactivated. Yet they will be off if the **Power Save** mode is activated again.
- In BIOS setup menu, go to **Advanced > Power save**. Select to enable the desired function. For more information on BIOS, refer to "[Using BIOS setup](#)" on page 32.

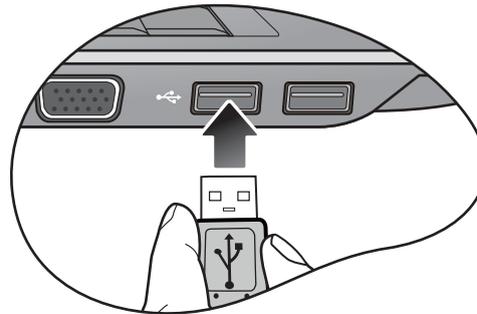
Expanding the capabilities of your Joybook Lite

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

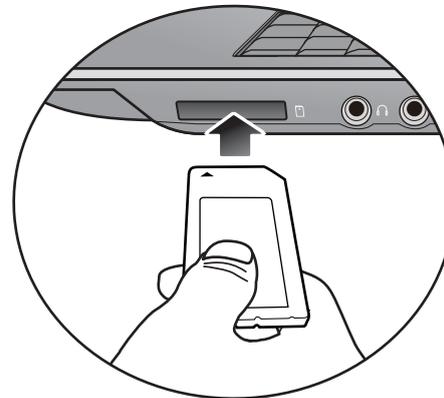


Connect an external display device (such as a monitor or projector) to the 15-pin D-sub video jack of your Joybook Lite with a VGA cable.

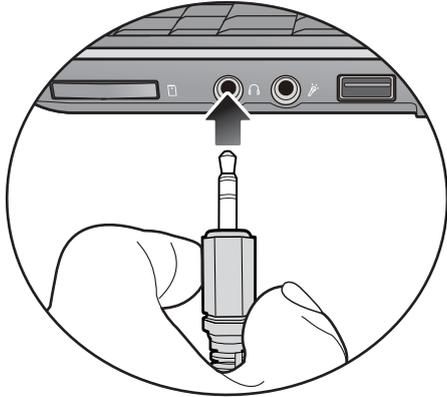
 To switch to the external display device or simultaneous display, press the <Fn> + <F3> hotkey combination.



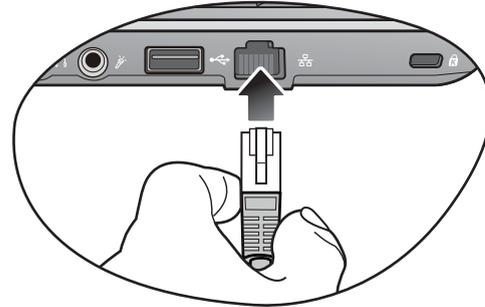
Connect USB peripherals to the USB ports of your Joybook Lite.



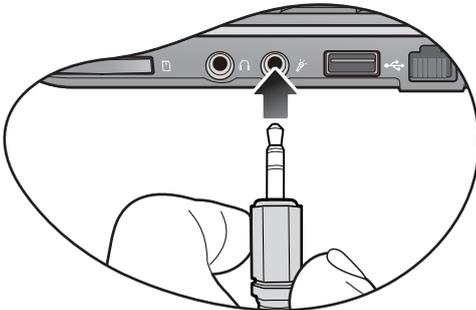
Insert a Memory Stick, Memory Stick Pro, MMC, and SD memory card following the direction indicated on the card to exchange files.



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



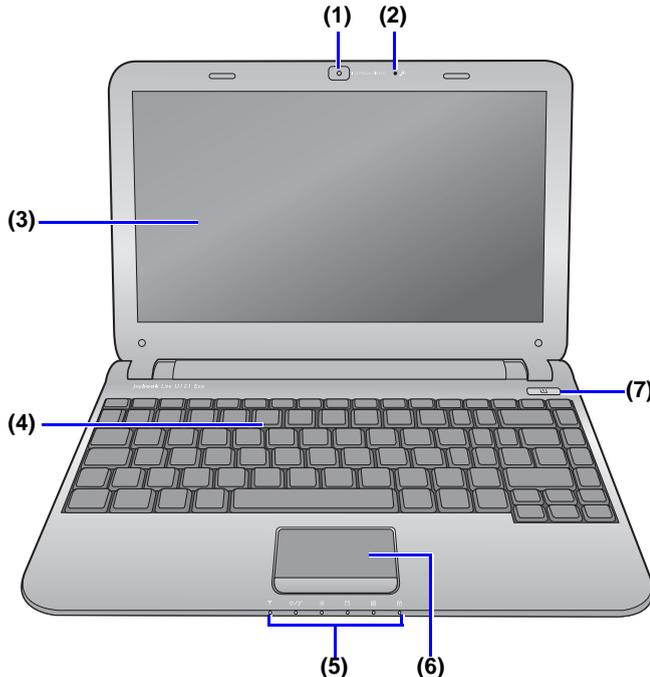
Access local area network (LAN) by connecting a network cable to the LAN port of your Joybook Lite.



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

Touring your Joybook Lite

Front view



No. Front components

- (1) Built-in 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 28.

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

- (3) LCD (Liquid Crystal Display) panel**

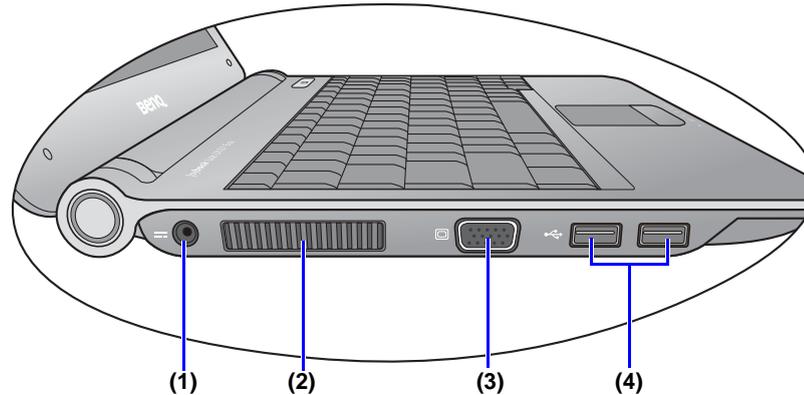
- (4) Keyboard**

- (5) Indicators**
Refer to ["Indicators"](#) on page 13 for details.

- (6) Touchpad**
Refer to ["Using the touchpad"](#) on page 15 for details.

- (7)  Power button**
Turns your Joybook Lite on or off.

Left side view



No. Left-side components

(1) **DCIN Power jack**
Connects AC power supply to power the Joybook Lite and charge the battery.

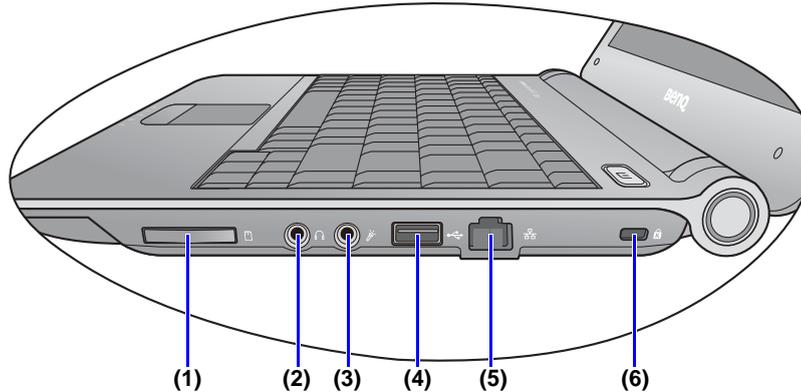
(2) **Vents**
Dissipate heat and keep your Joybook Lite at an optimal temperature.

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

(3)  **15-pin D-sub video jack**
Connects external display devices, such as monitors and projectors.

(4)  **USB port**
Connects peripherals such as mice, digital cameras and MP3 players that use the USB 2.0 interface.

Right side view



No. Right-side components

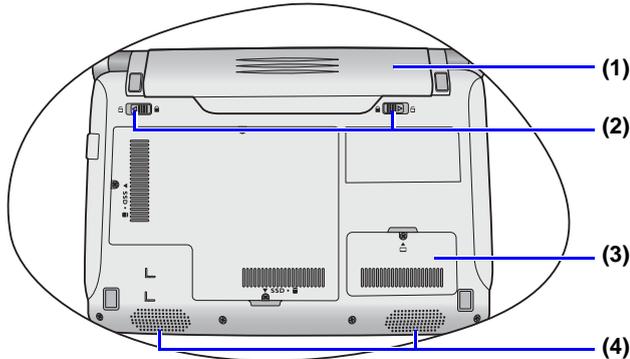
- (1) **Four-in-One memory card slot**
For a Memory Stick, Memory Stick Pro, SD or MMC memory card.
- (2) **Audio output jack**
Connects to an earphone/headset or external speaker for playing the Joybook Lite audio.
- (3) **Microphone input jack**
Connects to a microphone for recording sounds.
 This jack is for 3.5mm analog audio plugs. It accepts both mono and stereo plugs.

- (4) **USB port**
Connects 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**
Attaches to an anti-theft Kensington lock and cable to help prevent possible theft.
-

Bottom view



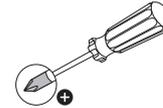
No. Bottom components

- (1) Battery pack**
Supplies power to the Joybook Lite when external power is not connected.

- (2) Battery retainers**
Secure the battery in place.

-
- (3) Memory expansion slot cover**
Inside the cover, you can find the memory slot of the Joybook Lite. You can replace the existing memory module of your Joybook Lite from here.

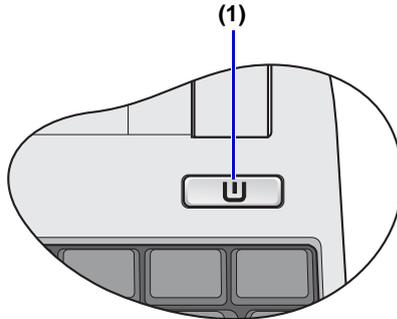
 • To remove the cover, a small Phillips head screwdriver is required.



• For more information about replacing the memory module, the limit of maximum memory, or the types of BenQ certified memory modules for your Joybook Lite, refer to "[Replacing the memory](#)" on page 44.

-
- (4) Speakers**
-

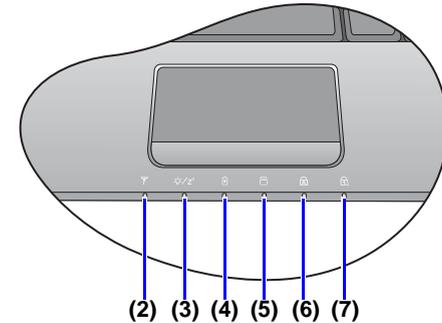
Indicators



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 mode, the light goes off.



No. Indicators

(2) Wireless LAN (WLAN)/Bluetooth indicator

- When WLAN is turned on, it lights in blue.
- When Bluetooth is turned on, it lights up in amber.
- When both WLAN and Bluetooth are turned on, it lights up in purple.
- When both WLAN and Bluetooth are turned off, the light goes off.

(3) 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.

(4)  **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.

(5)  **Hard disk/SSD activity indicator**

Flashes in blue when the Joybook Lite is accessing data in the hard disk or/and SSD.

(6)  **Caps Lock indicator**

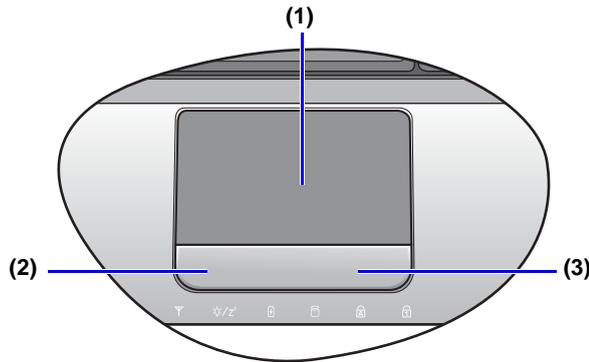
Lights up in blue when the <Caps Lock> key is enabled.

(7)  **Num Lock indicator**

Lights up in blue when the <Num Lk> key is enabled.

Using your Joybook Lite

Using the touchpad



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

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

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



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

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



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

Using the keyboard

Function hotkeys

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



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

Function hotkey	Description	Function hotkey	Description
<Fn> + <F1>	Opens function hotkeys online help.	<Fn> + <F8>	Decreases volume.
<Fn> + <F2>	Puts your Joybook Lite into Sleep mode.	<Fn> + <F9>	Increases volume.

<p><Fn> + <F3></p>	<p>Switches display between your Joybook Lite and an external display device (such as a monitor or projector), or allows simultaneous display.</p> <p> 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.</p>	<p><Fn> + <F10></p>	<p>Switches between 4 combinations of WLAN and Bluetooth on/off. The status is indicated by the on-screen display.</p> <p> WLAN and Bluetooth are available on select models.</p>
<p><Fn> + <F4></p>	<p>Decreases screen brightness.</p>	<p><Fn> + <F11></p>	<p>Activates or deactivates the 3G connection.</p> <p> 3G connectivity is available on select models.</p>
<p><Fn> + <F5></p>	<p>Increases screen brightness.</p>	<p><Fn> + <F12></p>	<p>Activates or deactivates the Power Save mode.</p>
<p><Fn> + <F6></p>	<p>Activates or deactivates the touchpad.</p>	<p><Fn> + <Num Lk></p>	<p>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 (↑, ↓).</p> <p> Scroll Lock does not work in all programs.</p>
<p><Fn> + <F7></p>	<p>Activates or deactivates the speakers.</p>	<p><Fn> + <Delete></p>	<p>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.</p>

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.
 + <R>	Activates the Run dialog box.	<Shift> +  + <M>	Cancels minimization of all windows.
 + <E>	Opens the My Computer window for browsing disks and files.		

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

Using built-in wireless connectivity (select models only)

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.

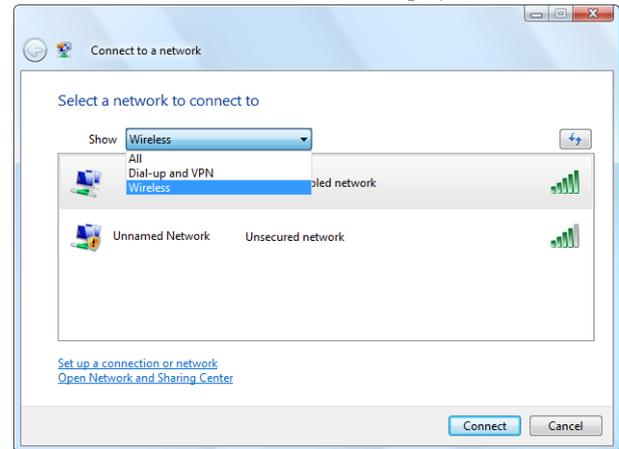


- Wireless LAN (WLAN) is available on select models.
- WLAN connectivity has limited range, depending upon the equipment being used, the chosen frequency band, radio-wave interference, and the physical landscape (including building structure). Circumstances will vary depending upon your particular situation.

Connecting to a wireless network

1. Make sure you are located within the wireless network service area.
2. To enable WLAN, press the <Fn> + <F10> hotkey combination a few times until the WLAN/Bluetooth indicator lights up in blue or purple.

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 **Start > Help and Support** in 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.



There is another way for the Joybook Lite to connect with a network. See "[LAN \(Local Area Network\) port \(RJ-45 connector\)](#)" on page 10.

Using Bluetooth (available on select 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 select models.

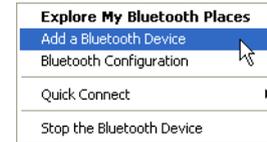
Connecting to a Bluetooth device

1. Press the <Fn> + <F10> hotkey combination to turn the Bluetooth on. When the Bluetooth is turned on, WLAN/Bluetooth indicator lights 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.

1. 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.



2. Click **Next**.



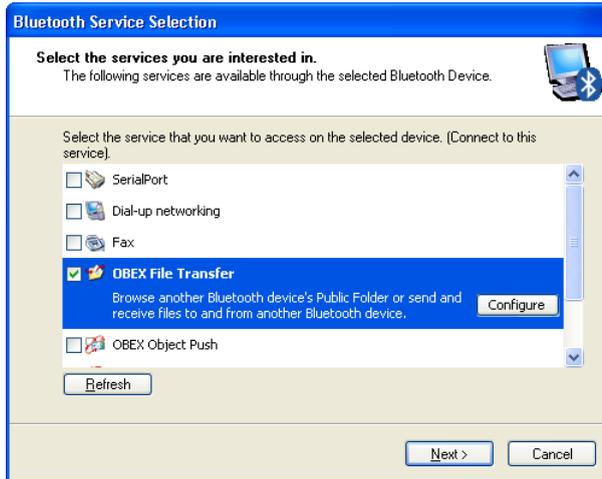
3. Please wait while Windows is searching for available Bluetooth devices. Select the Bluetooth device that you want to add, and then click **Next**.



4. Refer to the documentation that came with your Bluetooth device to determine if there is a pre-defined passkey. Or Windows will generate a passkey for you. If the pairing process is not done within a short time, click **Try Again** to enter a passkey. And click **Next**. When you are prompted to enter the passkey on your Bluetooth device, follow the on-screen instructions to enter the passkey.



5. 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**.



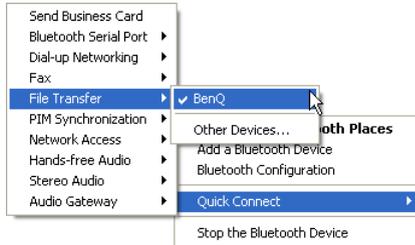
6. Click **Finish** to complete the setup.



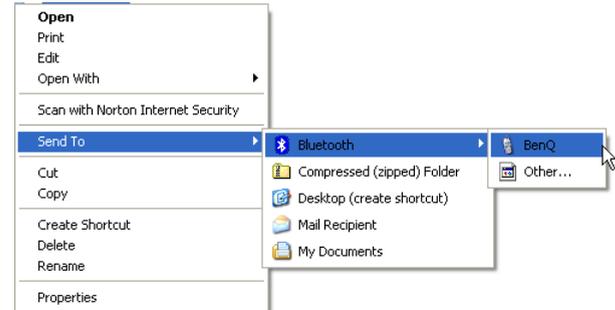
Sending a file to a Bluetooth device

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.

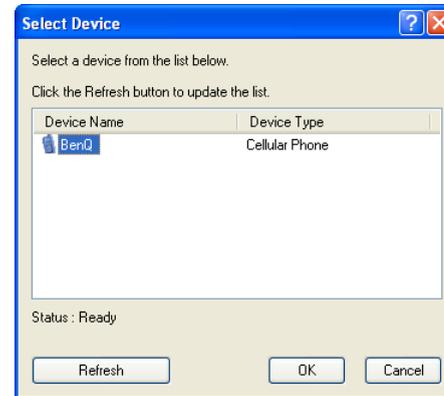
1. After your Joybook Lite is connected to a Bluetooth device, right-click the Bluetooth icon  in the notification area to display the pop-up box, and select **Quick Connect > File Transfer**, and then the connected Bluetooth device.



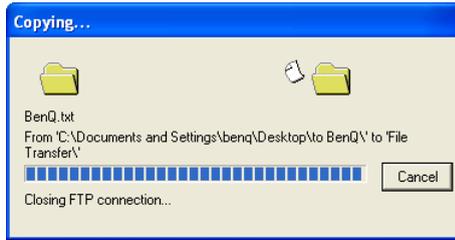
2. Use **Windows Explorer** to browse the file you want to send. Right-click on the file, and select **Send to > Bluetooth**, and then the Bluetooth device you want to send the file to.



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 online 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.

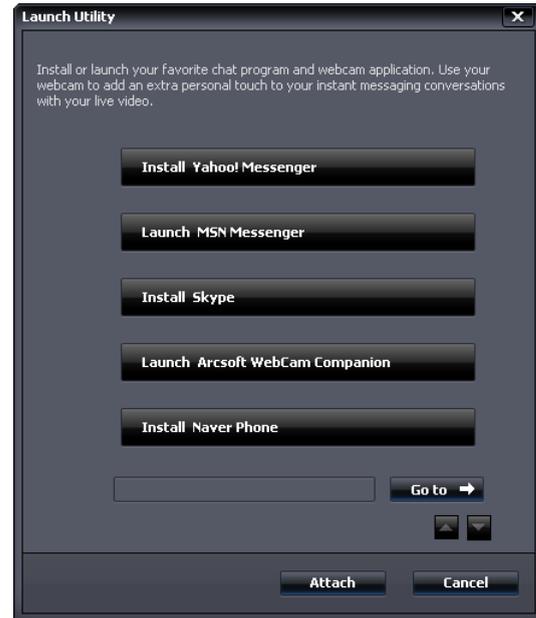
Activating WebCam Companion 3

To launch "WebCam Companion 3", select **Start > All Programs > ArcSoft WebCam Companion 3 > Launch 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 help 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 select 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", by clicking **Extras** (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, and select a desired one.

Capturing still images or recording videos

1. Launch "WebCam Companion 3" as instructed in ["Activating WebCam Companion 3" on page 28](#).
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 **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" as instructed in "[Activating WebCam Companion 3" on page 28](#).
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 select 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 **Documents > WebCam Media > Masque**.

Photo Booth

You can select and personalize the select 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 .

By default, framed pictures are saved under **Documents > WebCam Media > Photo Booth**.

Video chat

To chat online, select to install or activate a free instant messaging program as instructed in "[Activating WebCam Companion 3" on page 28](#)". 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 31](#) 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 upper 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 SRS

Your Joybook Lite is supported by SRS technologies and offers various sound effects for the audio and video files played on your Joybook Lite.

When an audio or video file is selected to be played, double-click  in the notification area located at the lower right corner of the desktop to bring up **SRS Sound** menu.



- **Games** () is recommended for computer games. Click  to apply the sound effect to the audio/video file.
- To use other sound effects, click  (for audio files) or  (for video files), and select a desired effect from the drop-down list below the power button .
- To disable the select sound effect, click .

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:

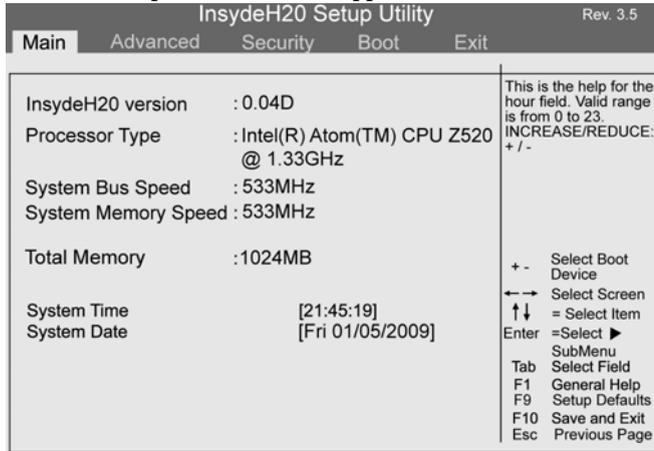
- You see an error message on the screen requesting you to run BIOS setup.
- You want to restore the factory default settings.
- You want to modify some specific settings according to the hardware.

- 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.



The BIOS setup screen can be divided into three areas:

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

Navigating the BIOS setup screen

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

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

Main menu

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

- **System Time:** allows you to set the time of the system. Use **+** or **-** to change the value.
- **System Date:** allows you to set the date of the system. Use **+** or **-** to change the value.

Advanced menu

The **Advanced** menu contains advanced settings of the system.



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

- **Video Configuration:** determines the memory size that can be used by the Internal Graphic Device.
- **Power save:** allows you to decide the functions and devices that would be enabled and disabled when **Power Save** mode is activated. For details, refer to "[Saving power of your Joybook Lite](#)" on page 5.
- **HDD/SSD:** allows you to disable the installed hard drive or SSD in order to save power.
- **Quick Charge:** allows you to complete the battery charge within a short time.



- If you intend to disable the hard drive or SSD, note that all programs installed and data stored on the disabled drive will not be available. You may not boot into Windows operating system accordingly.
 - Quick charge may cause damage to your battery and affect battery life. Yet the length of charging time and the battery life may vary as the battery declines in capacity over time.
-

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



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

Boot menu

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

- **Quick Boot:** allows the system to skip certain tests while booting.
- **Quite Boot:** controls the display of BenQ logo during system boot. When enabled, BenQ logo will be displayed during system boot. When disabled, diagnostic texts will be displayed during system boot.

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 Optimal Defaults:** loads the default values for all the items in the BIOS setup utility.
- **Load Custom Defaults:** loads the settings you saved previously.
- **Save Custom Defaults:** saves your settings.
- **Discard Changes:** cancels all changes since last save, without exiting the BIOS setup utility.



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

Recovering your system using QDataTrove



- QDataTrove works on factory-installed Windows operating systems only.
 - It is strongly recommended to create Factory Recovery DVD immediately once your Joybook Lite is ready for use. Refer to "[Creating a Factory Recovery CD/DVD](#)" on page 40 for details.
-

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 37.
- **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 39.
- **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 or Application and Driver DVD](#)" on page 40.



- For the reasons below, you may not be able to restore your system using QDataTrove:
 - a. On your Joybook Lite, the hidden partition in which the QDataTrove files are saved has been changed.
 - b. Your operating system is not pre-installed by the manufacturer.

You can use the Factory Recovery CD/DVD created ([page 40](#)) to restore the system. If you do not have the Factory Recovery CD/DVD, please contact the BenQ Customer Service for assistance. Extra charge may be required if necessary.

- 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**. In the **QDataTrove** folder, click **QDataTrove** to launch the application.
A "User Account Control" window may pop up asking whether you want to run QDataTrove, you need to click "Allow" in order to proceed.
3. After launching QDataTrove, click the **Back up**, **Restore**, or **Create Discs** tabs to perform the desired operation.

Using QDataTrove in 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.



- 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 CD/DVD burner instead if you wish to create discs.
- 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.
- If you want to back up the system to a USB flash disk, see ["Creating bootable USB flash disk" on page 42](#).

-
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 in 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 **Start > Help and Support** in Windows XP.

QDataTrove allows you to access **Backup and Restore Center** in 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. In Windows XP, to create a restore point manually, key in the description of the restore point and follow the remaining on-screen instructions 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 37](#) or ["Backing up your system into a disc" on page 38](#).

1. In QDataTrove, click the **Restore** tab.
2. Click the  button to select **Full System Restore - Backup Image**.
3. An **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 38](#).

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 **Start > Help and Support** in Windows XP.

Reinstalling bundled applications and drivers

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

1. Click the  button to select **Reinstall Applications and Drivers**.
2. You can perform the following tasks on the main screen that appears.
 - Install drivers.
 - Install applications.
 - View information about the applications and drivers that are bundled with your Joybook Lite.
3. Follow the remaining on-screen instructions to complete the operation.

Creating recovery discs or Application and Driver DVD

 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.

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.

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

- **Recovery discs:**
 - Factory Recovery CD/DVD
 - User Recovery CD/DVD
- **Application and Driver DVD**
- **Bootable USB flash disk**

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 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. Continue to create a factory default Application and Driver DVD. Repeat Step 2 to Step 5 to complete the disc burning process.
7. After disc burning finishes (the progress bar shows 100% completion), click  at the upper right corner of the window to proceed.
8. Click **Exit** > **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 upper right corner of the window to proceed.
7. Click **Exit** > **Yes** to leave the application. Store the discs in a safe place for future use.

Creating an Application and Driver DVD

You can use QDataTrove to create a disc that includes applications and drivers that are bundled with your Joybook Lite.

1. Click the  button to select **Create Application and Driver 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 Application and Driver DVD** window appears on the screen and displays the current status.

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

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

Creating bootable USB flash disk

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



- With QDataTrove you can create bootable USB flash disks only. Other USB storage devices are not recommended for the operation.
- The minimum capacity of your USB flash disk is 8GB. The required space may vary depending on the size of your system image.

- Connect a USB flash disk to your Joybook Lite.
- Click the  button to select **Create Bootable USB Disk**.
- Select a connected USB flash disk from the USB device dropdown menu. Select the USB flash disk carefully if you have more than one USB flash disk connected to your Joybook Lite at the same time. All the data stored on the one used for bootable USB flash disk will be erased.
- If there is sufficient space on the select USB flash disk, you can click **OK** to proceed.
- After the bootable USB flash disk is complete (the progress bar shows 100% completion), click  at the top right corner of the window to proceed.
- Click **Exit > Yes** to leave the application.

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



For more information about how to use QDataTrove, refer to the online help.

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 **Start > Help and Support** in Windows XP.

Replacing the memory

You can replace the existing memory module with a higher-capacity one. Before you upgrade or replace memory, please check on the 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>.



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

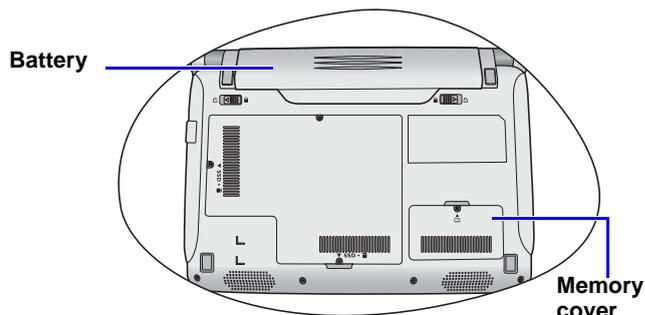
1. Connect to BenQ Online Service and Support (<http://www.benq.com/support/>).
2. Click **Knowledge Base**.

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

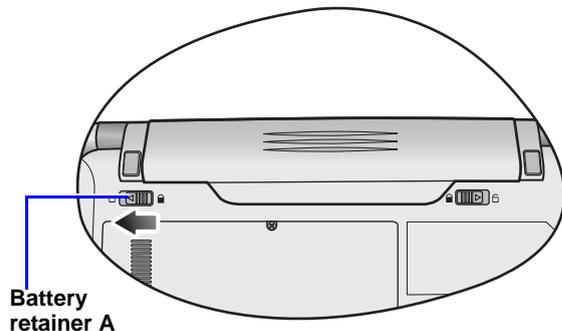


- If you install an uncertified memory module, your system may not work properly.
- It is the sole responsibility of the user if problems (such as data loss and system failure) occurred due to non-factory installed software, parts, and/or non-original accessories.

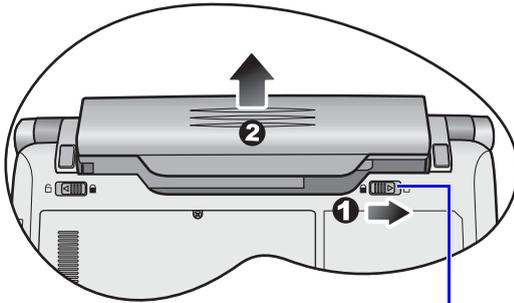
1. Shut down your Joybook Lite completely. Disconnect the power adapter and turn over your Joybook Lite.



2. Slide "Battery retainer A" to the left to unlock the battery.

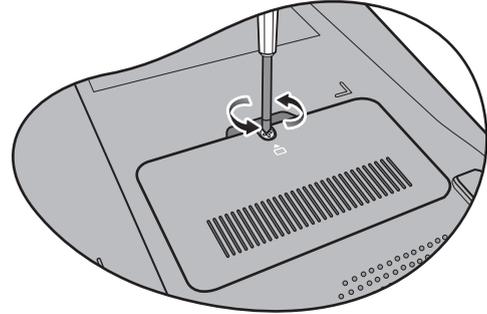


- Slide “Battery retainer B” to the right (1) and, while still holding the retainer, remove the battery from its compartment (2).

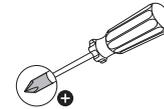


**Battery
retainer B**

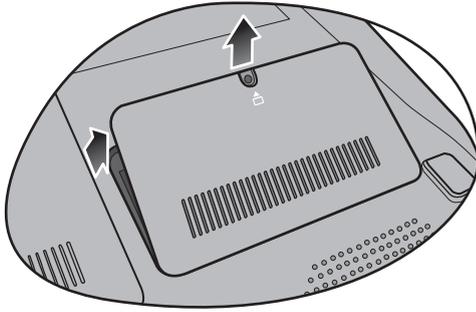
- The memory cover is secured with 1 screw. Use a screwdriver to remove the screw.



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

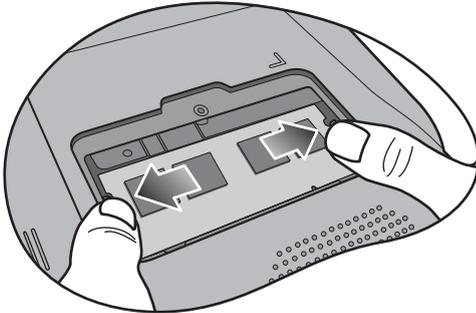


5. Remove the memory cover.

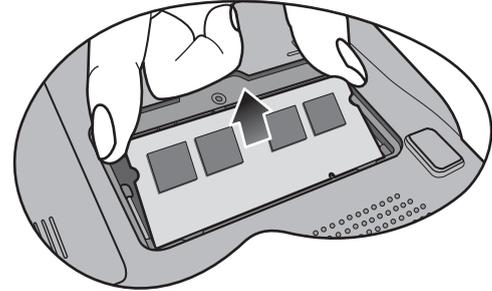


Ground yourself to your Joybook Lite with professional grounding equipment like an anti-static wristband, or touch the metal surface on the inside of your Joybook Lite to discharge any static electricity.

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

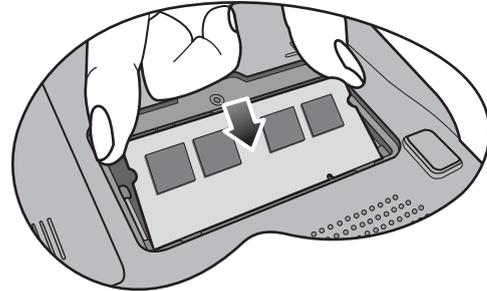


7. Remove the memory.

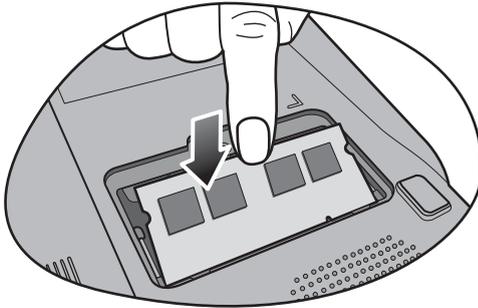


Handle the memory module by its edge and avoid touching the contacts.

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

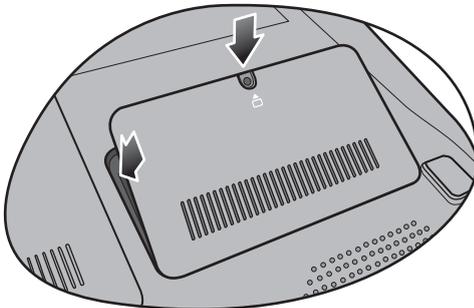


9. Gently push the free edge downwards until the module locks into place.

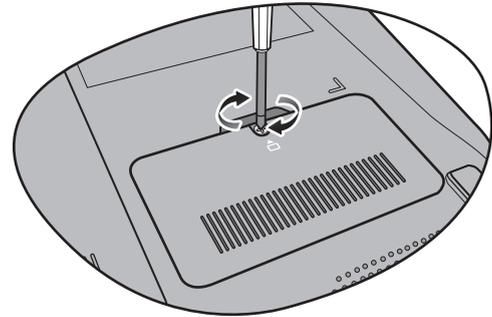


 If the memory module is not installed properly, your Joybook Lite may not boot properly.

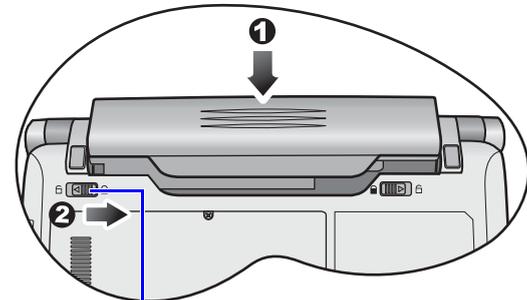
10. Replace the memory cover.



11. Use a screwdriver to secure the cover with the screw.



12. Place the battery on its original position (1), and then slide “Battery retainer A” to the right (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 32](#).

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.

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.

Alternatively, check the battery icon in the notification area located in the lower right corner of the desktop to see if the battery is fully charged.

? My 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.

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

☞ It is the result of the battery protection design of your 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.

? 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.

? 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.

? 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 blue, the Joybook Lite is being supplied normally with power, meaning that the problem lies elsewhere.

- If you have added or replaced any hardware, such as a memory module, check if it has been installed correctly.
- It is possible that certain operating system files are damaged or missing. If so, you may need to back up all your data first, and then recover your system. Refer to ["Recovering your system using QDataTrove" on page 36](#) for details.

? 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

? What is a Wireless LAN (WLAN)?

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

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

1. Click **Start**.
2. Right-click **My Computer** and select **Properties > Hardware > Device Manager**.
3. Double-click **Network adapters**. When the name of the network adapter of the Joybook Lite appears, double-click on it.
4. The Properties window will pop up. Click the **Advanced** tab, and then click the **Speed & Duplex** item on the left.
5. Select the appropriate mode according to the settings of your LAN service from the **Value** drop-down menu on the right, and then click **OK**.

If the situation persists, press the <Fn> + <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.
- Click **Start > Control Panel > Network and Internet Connection > Network Connections**. Double-click **Wireless Network Connections**. 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?**

👉 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 > 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.

❓ **How do I update the driver?**

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

❓ **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:

- 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 perform more efficiently.
- Prevent background software programs from loading. As software programs load the small icons in the notification area located in the lower right corner of the desktop, they will be running in the background and each one consumes valuable system resources. You can follow the steps below to prevent application programs from running when Windows launches:

1. Press  + **R** to display the **Run** dialog box.
2. Type "msconfig" in the **Open** field. The system configuration utility will appear.
3. Click the **Startup** tab, and then uncheck any task that is unwanted.
4. Click **Apply** > **OK**. Restart your 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 Windows takes to access the hard disk. It will also help solve problems associated with spooling print job.

1. Close all running programs.
2. Click **Start** > **All Programs** > **Accessories** > **System Tools** > **Disk Cleanup**.
3. Check the types of files you want to delete (temporary files are safe to delete).

4. Click **OK**.

- Use the **Scan Disk** and **Defragment** functions. The **Scan Disk** function checks a hard disk for errors, while the **Disk Defragment** function takes all the scattered bits of program data and groups them back together in the front of the drive.

1. Click **Start > 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** in 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 the **Defragment** button. It may take a long time to complete.

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

? USB devices quit working unexpectedly in 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**.

2. Right-click **My Computer** and select **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 4 to Step 5 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.

? 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:

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

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.

? 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.

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

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

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

? 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** to select your preferred power plan.

? 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

? 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 blinks 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.

⑦ 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.

⑦ 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.

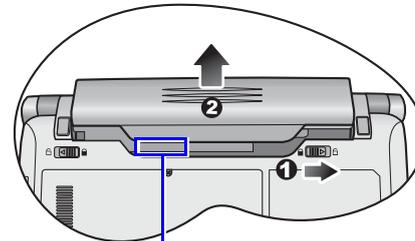


The website layout and content may vary by region/country.

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.



Serial number

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 vents 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

For the following equipment:

Type of Equipment:

Notebook

Brand name or mark:

BenQ

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

Joybook Lite U121 Eco Series; DH1200

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 Radio and Telecommunications Terminal Equipment Directive (1999/5/EC).

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

EN 55022

EN 55024

EN 60950-1+A11

ETSI EN 300 328

ETSI 301 489-1/-17

EN 62311

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

Polski

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

România

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

Slovensko

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

Български

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

Latviski

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

Hrvatski

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

<Memo>