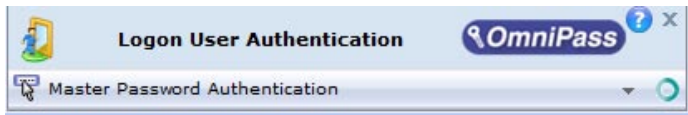


(To use the integrated password authentication function)

In the **Logon Authentication** window, select **Integrated Password Authentication**. Enter the username and the login password and click the **OK** button.



User Name: xxxxxx
Domain:
Password: xxxxxx
Identity:
OK ✓

User Name: User account name

Password : User account password

Domain, ID: These fields are automatically entered.

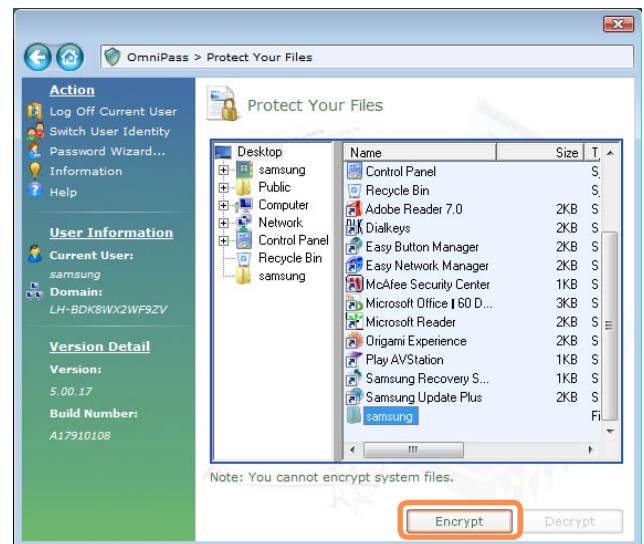
2 When the fingerprint identification or password authentication is complete, you can logon to Windows.

Encrypting/Decrypting Files

You can encrypt folders and files so that only specified users can open or modify them.

The procedures to encrypt files are described below.

- 1** Select **Start (Windows logo) > All Programs > Softex > OmniPass Control Center > File Protection**.
- 2** Select a folder or file to be encrypted and click **Encrypt**.



To decrypt encrypted folders and files

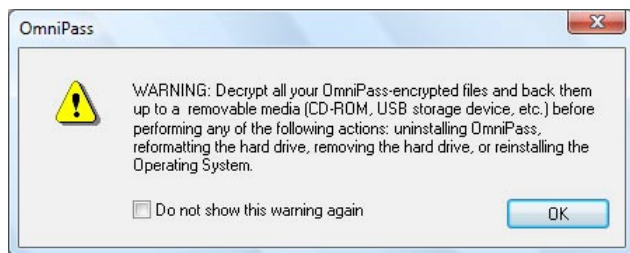
The procedures are the same as those for the encryption process except for selecting **Decrypt** instead of **Encrypt** in the figure above.

- 3 When the file encryption authentication window appears, select **Authen-Tec Fingerprint Driver**, place your finger over the fingerprint identification sensor and push it down slowly. Alternatively, select Integrated Password Authentication and enter the login password.



If your fingerprint is not recognized, the fingerprint is displayed in red in the fingerprint display window. In this case, place your finger over the fingerprint identification sensor again and push it down slowly until the fingerprint is displayed in green.

- 4 If the fingerprint is recognized, the following window appears. Click OK to **encrypt** the file.



Right-click over a folder or file to be encrypted and select **OmniPass Encrypt File(s)** from the pop-up menu. The selected folder or file will be encrypted.

Logging into Internet Sites

You can easily login to frequently used Internet sites using the fingerprint identification or password authentication functions instead of entering your user ID and password.

As an example, the procedures for logging into the Hotmail site are described below.

The following describes the procedures for registering your user ID and password. Once the user ID and password of a site are registered, you can login to the site automatically.



This function may not be supported for some Internet sites.

- 1 Launch Internet Explorer (🌐) and open the Hotmail site. (<http://www.hotmail.com>)
Enter your user ID and password.

- 2 Right-click over the (🔑) icon in the Taskbar and click on **Save Password**.

- 3 When the mouse pointer changes to a yellow key icon (🔑), click the login window, but not the login button. If you wait a moment, the mail address and password information are retrieved.

Sign in to your page Help

E-mail address: samsung@hotmail.com

Password: ●●●●●●
[Forgot your password?](#)

Sign in

☐ Save my e-mail address and password
☒ Save my e-mail address
☐ Always ask for my e-mail address and password

[Sign in using enhanced security](#)

Windows Live ID
Works with Windows Live, MSN, and Microsoft Passport sites
[Account Services](#) | [Privacy Statement](#) | [Terms of Use](#)
©2007 Microsoft

Login Window

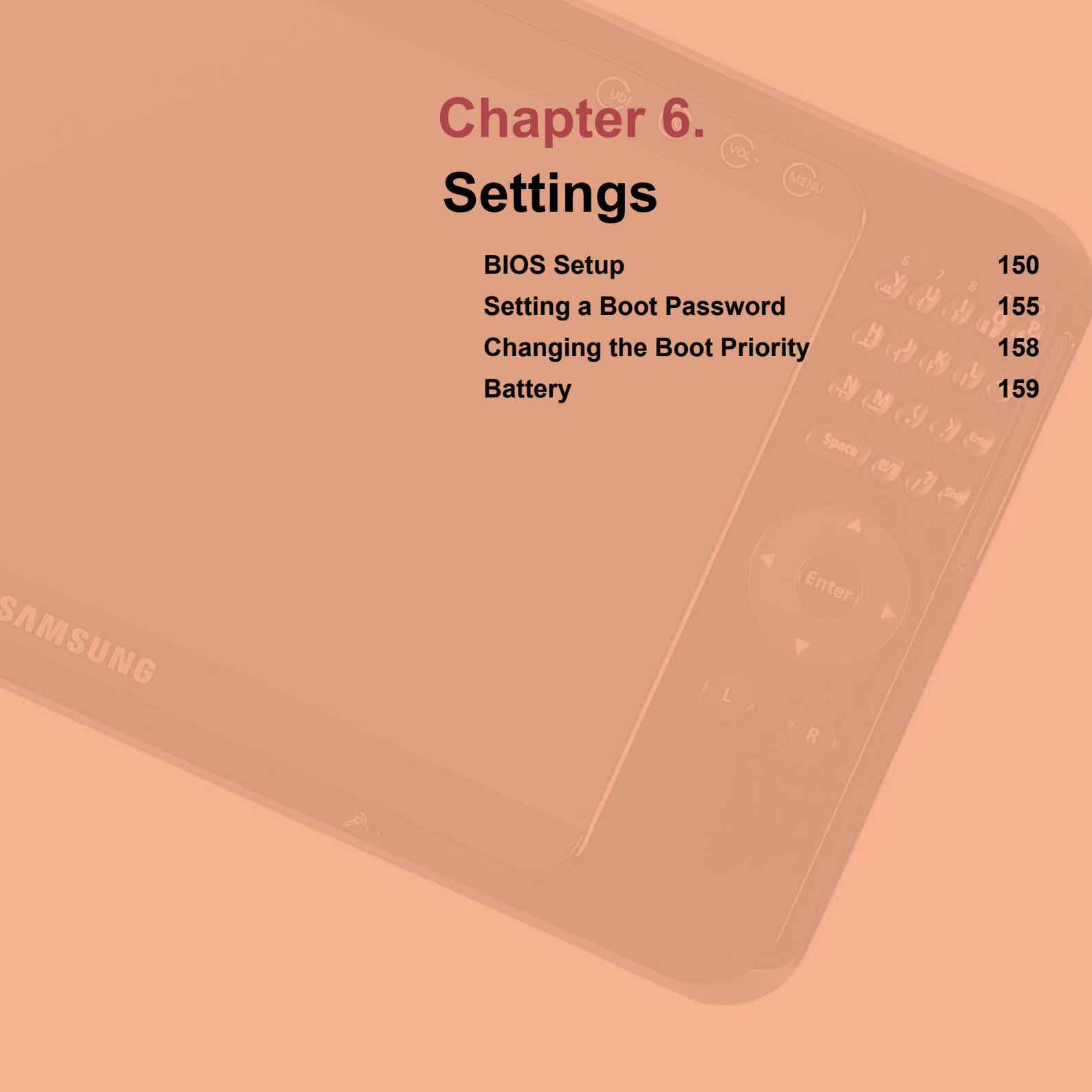
- 4 Enter an easy to remember name and click **Finish**.

- 5 Thereafter you can login to your registered websites using your fingerprint or password.

- 1 When opening a registered site, the **Access Authentication** window appears.

- 2 Select **AuthenTec Fingerprint Device**, place your finger over the fingerprint identification sensor and push it down slowly once. Alternatively, select Integrated Password Authentication and enter the login password.

- 3 If the fingerprint identification or password authentication is complete, your ID and password are automatically entered and you are logged into the website.



Chapter 6.

Settings

BIOS Setup	150
Setting a Boot Password	155
Changing the Boot Priority	158
Battery	159

BIOS Setup

The BIOS Setup enables you to configure your computer hardware according to your needs.



- Use the BIOS setup to define a boot password, change the booting priority, or add a new device.

Since incorrect settings may cause your system to malfunction or crash, take care when configuring the BIOS.

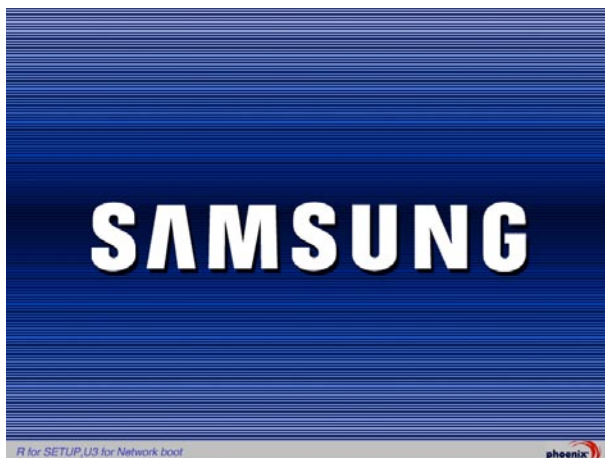
- The functions of the BIOS setup are subject to change for product function enhancement purposes.



The BIOS Setup menus and items may differ depending on your computer model.

Entering the BIOS Setup

- 1 Slide the **Power Switch** down. The computer is turned on.
- 2 The booting screen (SAMSUNG logo) appears. Press the **R button** (R) on the right side of the computer. When an external keyboard is connected, press the **F2** key.



- 3 After a moment, the BIOS setup screen appears.
The items in the BIOS setup may differ depending on the product.

Setup Menu

PhoenixBIOS Setup Utility

MainAdvancedSecurityBootExit

System Time[10:21:53]

System Date[03/01/2006]

Hard Disk Drivexxxxxx

CPU TypeIntel (R) xxxx M

CPU Speedx.xx GHz

Total Memoryxxx MB

Graphics Memory[Auto : Shared]

BIOS Versionxxxxxxxx

MICOM Versionxxxxxxxx

Item Specific Help

<Tab>, <Shift-Tab>, or<Enter> selects field.

F1 Help

↑↓ Select Item

▼ (F5)/▲ (F6) Change Values

F9 Setup Defaults

◀ (Esc) Exit

↔ Select Menu

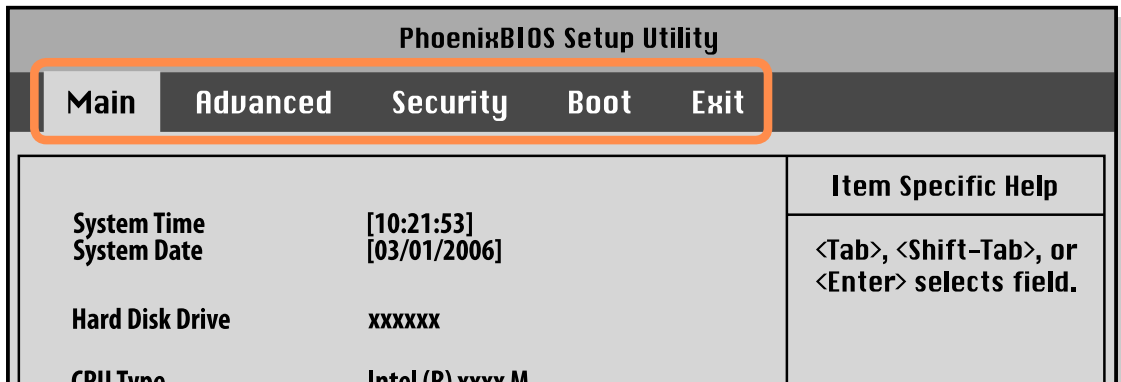
Enter SelectSubMenu

F10 Save and Exit

Help
Help for the selected item appears automatically.

Setup Items

The BIOS Setup Screen



Menu	Description
Main	Used to change the basic system and environment settings.
Advanced	Used to configure advanced functions on your computer around devices and chipsets.
Security	Used to configure security functions, including passwords.
Boot	Used to set the boot priority and other boot options
Exit	Used to exit the Setup either saving the changes or not.

System Setup Buttons (Keys)

The following Buttons(keys) are used in System Setup.



When an external keyboard is connected, you can use the key enclosed in parentheses. For example, press the **F1** key on the external keyboard instead of the **L button**.

Setup Key	Button	Function
L Button (F1 Key)		If you press the L button, Help appears. If you press it again, Help disappears.
Mouse/Joy- stick Up & Down (↑ ↓ Keys)		If you push the Mouse/Joystick up or down, you can move up or down the item list.
Mouse/Joy- stick Left & Right (← → Keys)		If you push the Mouse/Joystick left or right, you can move to another menu.
▼ (F5 Key) / ▲ (F6 Key)		Press the ▼ (F5) / ▲ (F6) buttons to change the value of an item.
◀ (Esc Key)		Press the ◀ button to return to a higher-level menu or to move to the Exit menu.

**Enter Button
(Enter Key)**



Selects an item or opens a submenu.

(F9 Key)

To initialize the setup settings, press the **F9** key on the external keyboard.

If an external keyboard is not connected, select **Exit > Load Setup Default** from the setup menu.

(F10 Key)

To save the changes press the **F10** key on the external keyboard.

If an external keyboard is not connected, select **Exit > Exit Saving Changes** from the setup menu.



Exiting the System Setup

1. Move to **Exit Menu > Exit Saving Changes** by using the **Mouse/Joystick** and press the **Enter** button.
2. Select **Yes** and press the **Enter** button. The System Setup is closed and Windows is started.

Setting a Boot Password

When setting a password, you have to enter a password to use the computer or enter the BIOS Setup.

By configuring a password, you can restrict system access to authorized users only and protect data and files saved on the computer.



Do not lose or forget your password.
If you have forgotten your password, contact a Samsung service center. In this case, a service fee will be charged.
For the setup buttons, refer to the description of 'System Setup Buttons (Keys)'.
p153

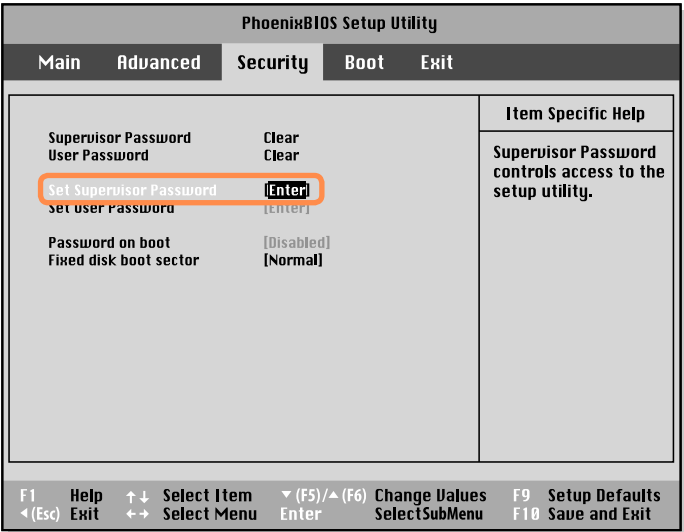
Setting a Supervisor Password

A Supervisor Password is required to turn the computer on or to start the System Setup.

When setting a Supervisor Password, users other than a supervisor cannot use the computer.

2 In the **Set Supervisor Password** item, press <Enter>.

1 Select the **Security** menu in the BIOS Setup.



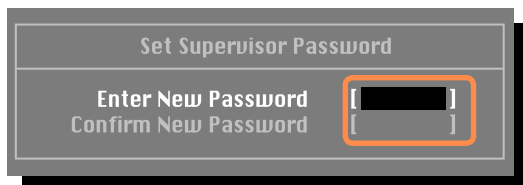
- 3** Enter the password with the keypad and press the **Enter** button. Reenter the password and press the **Enter** button.

You can use up to 7 alphanumeric characters for a password but you cannot use special characters.

The ← key on the keypad performs the role of Delete and the ◀ button performs the role of the Cancel (Esc) function.



To enter a number, press Num Lock and then enter the number. If you do not press Num Lock, the characters of the corresponding keys are entered instead of digits.



- 4** When a message confirming the password configuration appears in the [**Setup Notice**] window, press <**Enter**>.

The supervisor password has been set. The supervisor password is required to turn the computer on or to enter System Setup.

Setting a User Password

Users can start the system with a user password, but cannot enter the System Setup. By doing this, you can prevent other users from entering Setup.

Before configuring a user password, a supervisor password must have been configured. Deactivating the supervisor password also deactivates the user password.

In the **Set User Password** item, press <**Enter**> and complete the procedures of Step 3 of Setting a Supervisor Password.

Activating the Booting Password

Before activating the booting password, a supervisor password must have been configured.

Set the **Password on boot** option to **Enabled**. From now on, system booting will not proceed without the password.

Deactivating the Password

- 1 On the password to be deactivated, press **<Enter>**. For example, to deactivate a supervisor password in the **Set Supervisor Password** item, press **<Enter>**.
- 2 In the **Enter Current Password** item, enter the currently configured password and press **<Enter>**.
- 3 Leave the **Enter New Password** item field empty, and press **<Enter>**.
- 4 Leave the **Confirm New Password** field empty, and press **<Enter>**.
- 5 In the **[Setup Notice]** window, press **<Enter>**.
The password is deactivated.

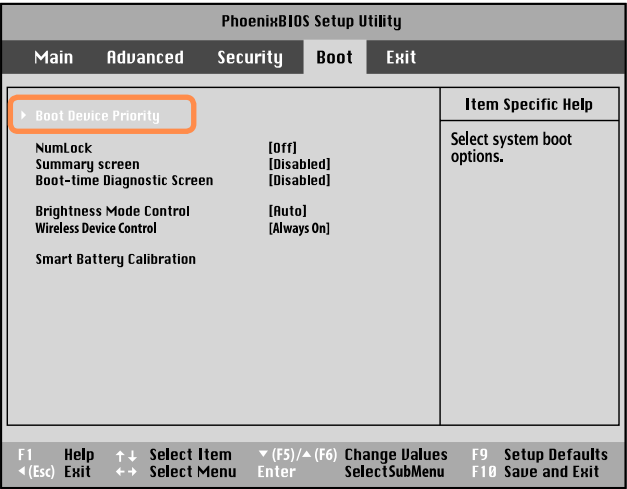
Changing the Boot Priority

The default boot priority of your computer is the CD-ROM first, then a removable device and then the hard disk drive in this order.

You can change the booting priority using the Boot menu of the System Setup. As an example, the procedures to change the highest boot priority device to the hard disk drive are described below.

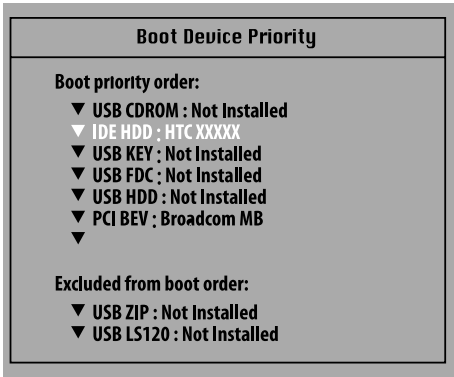
1 Select the **Boot** menu in the BIOS Setup.

2 Press <Enter> on the **Boot Device Priority** item.



3 Push the **Mouse/Joystick** down to move the booting device upwards.

Alternatively, you can move the booting device by using the ▲ or ▼ buttons.



4 Press the ◀ button to exit the **Boot** menu. Move to **Exit > Exit Saving Changes** by using the **Mouse/Joy-stick** and press the **Enter** button. The changes are saved and Setup is closed.

Battery

Please refer to the following instructions when running the computer on battery power without connecting the AC power.

A Lithium-Ion smart battery is supplied with this computer.



Carefully read and follow the precautions printed on the battery before using the battery.



Precautions

Use only chargers specified in the User Guide.

Never heat the battery pack, put it near or in a fire or use at a temperature higher than 60°C, as this may cause fire.

Never cause a short circuit between the battery pack terminals or disassemble the battery pack.

Carefully read and follow the precautions printed on the battery and the safety instructions in the User Guide before using the battery.

Please refer to the system operation environment (㉔ p.219) of this guide and operate and store the battery at room temperature.

Installing/Removing the Battery

- 1 Shutdown the system and place the computer upside down on a flat surface.
- 2 Lift the Stand up and push the Battery Latch down into the **Release** (㉔) position.

Lift the battery up and separate it.



- 3** To reinstall the battery, align the battery to the outside of the computer and insert the battery.

Lift the battery latch up to the **Lock** (⬆) position and put the Stand down.



When you are unable to insert the battery, check if the battery latch is in the **Release** (⬆) position. If it is in the **Lock** (⬆) position, you cannot insert the battery.

Charging the Battery

- 1** Attach the battery and connect the AC adapter to the DC-in jack of the computer.
- The battery will then start charging.

- 2** When charging is complete, the Charge LED turns green.

Status	Charge LED
Charging	Amber
Charging complete	Green
AC adapter not connected	Off

Measuring the Remaining Battery Charge

You can view the battery charge status by completing the following procedures.

Viewing through the MENU button

Press the **MENU** button and press on **Battery**.

To view on the battery

Press the button on the outside of the battery to check the remaining battery charge.



Battery Usage Time Information

A battery is an expendable supply, so when using it over a long time, the capacity/battery life is shortened. If the battery life is reduced to under half of its initial time, we recommend purchasing a new battery.

For long periods of not using the battery, keep the battery after discharging it. This extends the battery life time.



Battery Warning

- You will hear an alarm when the remaining battery charge reaches below 10%.
In this case, connect the AC adapter or turn off the computer and install a fully charged battery.
- When the remaining battery charge is under 3%, the computer automatically saves the current work and turns off.

Extending the Battery Usage Time

Decreasing the LCD Brightness

Press the **MENU** button and click  from the **Brightness** item to decrease the LCD brightness. Then you can extend the battery usage time.

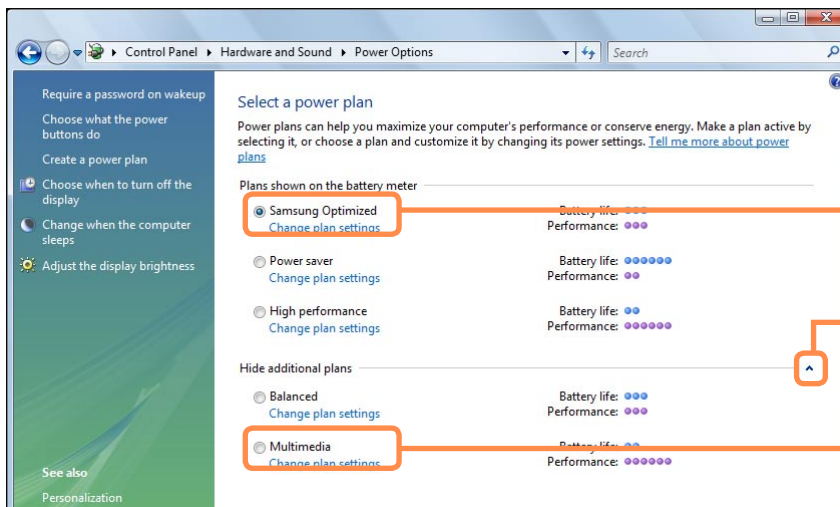
Using Easy Battery Manager

Easy Battery Manager is a power management program that enables using the battery power efficiently. You can select an optimized power mode according to your requirements.

1 Click **Start > Control Panel > Hardware and Sound > Power Options**.

Alternatively, right-click the power measuring device icon () in the notification area of the taskbar and select **Power Options**.

2 If the following screen appears, select one of the modes.



Samsung Optimized

Click the ()

Multimedia

Samsung Optimized

This mode is appropriate for normal conditions. It maximizes the system performance when the computer is running on AC power while maximizing the battery usage time when the computer is running on battery power.

Multimedia

This mode is appropriate for a multimedia environment that requires maximum system performance. Therefore, the battery usage time may be reduced in this mode.



Using the Easy Battery Manager power options

To use the Easy Battery Manager power options after reinstalling Windows, you have to install the Easy Battery Manager manually using the system software media. Since power options in Easy Battery Manager aim at maximizing the battery usage time, programs requiring high performance may slow down when using the battery. In this case, it is recommended connecting the AC adapter or selecting Power Saver.

Using the Battery Calibration Function

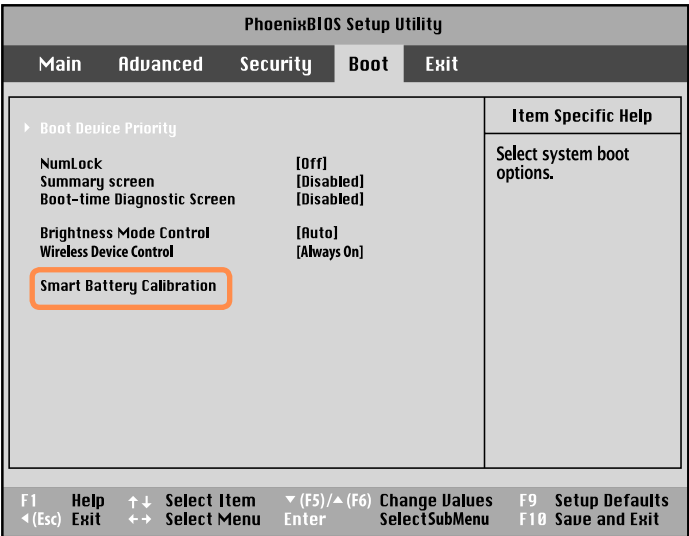
When charging/discharging the battery repeatedly for a short time only, the battery usage time may be reduced by the difference between the actual battery charge and the remaining charge display.

In this case, the actual battery charge and the remaining charge display will be the same by discharging the battery completely using the Battery Calibration function, and then recharging it again.

1 Disconnect the AC power adapter after turning off the computer.

2 Turn the computer on again. When the SAMSUNG logo appears, press the **R** button to enter Setup.

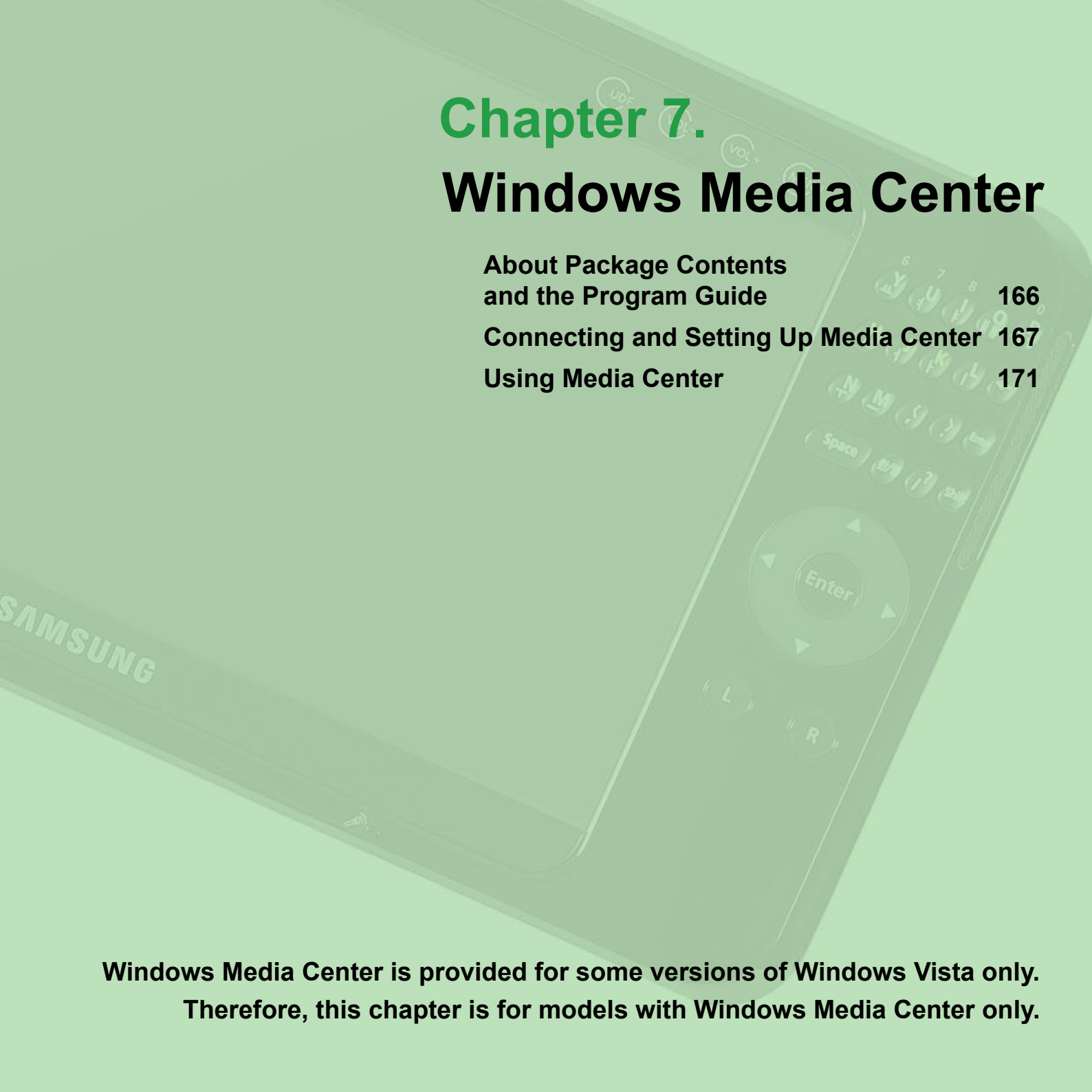
3 Using the arrow keys, select **Smart Battery Calibration** in the **Boot** menu and press **Enter**.



4 Highlight **Yes** in the Battery Calibration Confirmation window and press **<Enter>**.

The Battery Calibration function is activated and the battery is forcefully discharged. To stop the operation, press the **◀ (Esc)** button.

This operation requires 3~5 hours depending on the battery capacity and the remaining battery charge.



Chapter 7.

Windows Media Center

About Package Contents and the Program Guide	166
Connecting and Setting Up Media Center	167
Using Media Center	171

**Windows Media Center is provided for some versions of Windows Vista only.
Therefore, this chapter is for models with Windows Media Center only.**

About the Package Contents

The package contents of your Samsung computer may differ depending on the computer model.

The Media Center remote control, external-type remote control sensor and TV tuner card are not supplied with your computer and the devices are not required to use Media Center.

However, if you purchase and connect the devices, you can more easily use the various Media Center features.

About the Program Guide

An electronic TV program guide, the Electronic Program Guide (EPG) is provided by the EPG provider and the contents of the EPG may differ from the actual TV program depending on programming changes by the EPG provider or broadcast station.



- You can use the Media Center TV function only when there is an installed TV tuner card.
- The contents of this manual are subject to change for product improvement purposes.

Connecting and Setting Up Media Center

The basic usage of Media Center for Microsoft Windows Vista Home Premium is described below.



- This manual will describe procedures assuming that you are using Media Center with a mouse.
- Since Media Center supports the use of a mouse, keyboard and remote control, in this manual, [Select] means clicking with the mouse or pressing the corresponding button on the remote control.

Optional Devices

The remote control, external-type remote control sensor and TV tuner card are not essential for using Media Center. Since these devices are not supplied with your Samsung computer, you have to purchase them additionally if necessary.

Remote Control

Using the Media Center remote control, you can use Media Center more conveniently over a short distance.

External-Type Remote Control Sensor

To use Media Center using a remote control, you have to install the remote control sensor on the computer.

When purchasing a remote control, purchase an external-type remote control sensor at the same time.

- Connect the external-type remote control sensor to the USB port of the computer and turn the sensor so that it faces the remote control.



External-Type Remote Control Sensor

TV Tuner Card

Using a TV tuner card, you can watch and record TV programs.

Some models have built-in TV tuner cards. This manual describes their usage assuming your computer has a built-in TV tuner card.



There are two types of TV tuner cards, built-in and external types, and they may not support a recording function depending on the model.

Connecting Devices

► Connecting an external-type remote control sensor

Connect the external-type remote control sensor to the USB port of the computer.

► Connecting to the Internet

To view the TV Guide or to move to Media Center sites in Media Center, you have to connect to the Internet.

Connect the network (LAN) cable to the **LAN port** of the computer.



If the computer is not connected to the Internet, you cannot use the TV Guide (Channel Information) and the Online Spotlight functions.

► Connecting the TV antenna

To use the Media Center TV function, you have to connect the TV antenna to the TV tuner card.

If your computer has a built-in TV tuner card, connect the TV antenna cable to the TV Antenna Input port.

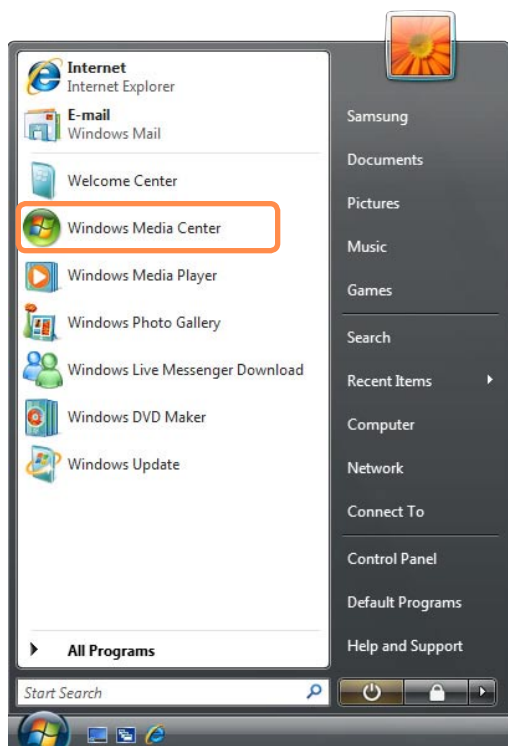


If you do not have an installed TV tuner card, you cannot use the TV function.

Media Center Setup

Connect all necessary devices and setup Media Center. You have to complete the settings to use Media Center.

- 1 Turn the computer on.
- 2 Click **Start > Windows Media Center** or **Start > All Programs > Windows Media Center**.



- 3 If the following start screen appears, select the installation option.

Express Setup enables you to use the basic functions of Media Center when clicking **OK**. However, you cannot use TV and Internet related functions using Express Setup.

Custom Setup allows you to configure all settings including TV and Internet settings. If you click **OK**, the Setup Wizard starts.



To setup the TV or Internet after an Express Setup, select **Tasks > Settings > General > Windows Media Center Setup** in the Media Center start screen and setup the following items.

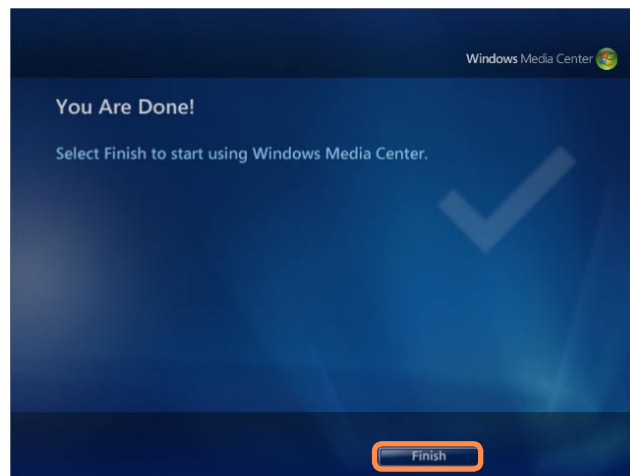
4 If you have selected Custom Setup, continue with the setup according to the Setup Wizard instructions.

If there are no installed TV tuner cards, the TV related setup steps will appear during the Media Center setup.

In addition, if the computer is not connected to the Internet, you cannot setup and use the TV Guide (Channel Information).

5 When the Media Center setup is complete, click **Finish**.

Now you can use the Media Center.



Changing the Media Center settings

You can change the Media Center settings after completing the Setup Wizard according to the procedures below.

1. Select **Settings > General > Windows Media Center Setup** in the Media Center start screen.
2. Select **Run Setup Again**. You can setup the Media Center settings again from the beginning.

Using Media Center

The descriptions of the Media Center start screen and basic functions will be given below.

Start Screen Layout



If you selected **Run Setup Later** in the Media Center start screen or did not complete the Setup Wizard, the Setup Wizard screen appears when launching Media Center.

If you complete the setup, the Media Center start screen appears.

Click **Start > Windows Media Center** or **Start > All Programs > Windows Media Center**.



Pictures + Videos: You can view pictures, images and video files.

Music: You can listen to music files, audio CDs and the radio.

TV + Movies : You can watch and record TV programs and play DVD titles.

Online Media: You can access all kinds of multimedia content over the internet.

Tasks: You can change the Media Center settings.

Navigation Arrow: If you move the mouse pointer over the arrow, you can navigate through the menu in the up, down, left and right directions.



The Menu and Play Control buttons appear for a moment only when moving the mouse pointer. The Media Player window size decreases if you perform another task after playing a media file.

Pictures + Videos

In Pictures + Videos, you can view pictures and videos registered to the Media Center library.

In addition, you can also view files not registered to the library by registering them, as well as viewing files on a removable disk.

Registering to the Library

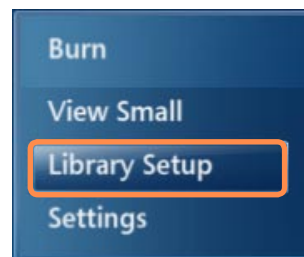
The procedures to register files to the library are described below.

- 1 Launch Media Center, and select **Pictures + Videos > Picture Library** or **Video Library**.

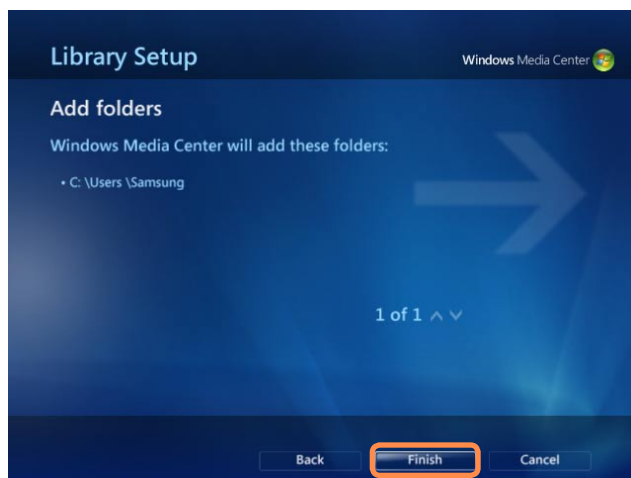


When you run it for the first time, an Add window may appear. In this case, you can add files according to the instructions on the screen.

- 2 In the library menu, right-click and select **Library Setup**.



- 3 If the Library Setup screen appears, select **Add Folder to Watch**.
- 4 Specify the path for the folder according to the instructions on the screen.
- 5 If the following screen appears, click **Finish**. You can view the newly added folder in the Picture Library or Video Library.



Viewing Pictures and Images

The procedures to view pictures and images registered to the library are described below.



Picture and image files are saved in the **Computer > Local Disk (C:) > Users > User Accounts > Picture Folder** or **Computer > Local Disk (C:) > Users > Public > Public Pictures** folder.

- 1 Launch Media Center, and select **Pictures + Videos**.
- 2 Select **Picture Library**.



When you run it for the first time, the **Setup Library** window may appear. In this case, click the **No** button.

3 Select a folder with picture files.



- 4 If you select a picture, the picture is displayed in full screen.
You can view another picture by using the Play Control buttons or the direction buttons on the keyboard.

- 5 To view pictures in a SlideShow, click on **Play SlideShow**.

Alternatively, select **Pictures + Videos > Play All**. Then the pictures in the registered folder are displayed in a random order.

Viewing Videos

The procedures to view videos registered to the library are described below.



Video files are saved in the **Computer > Local Disk (C:) > Users > User Accounts > Video Folder** or **Computer > Local Disk (C:) > Users > Public > Public Video** folder.

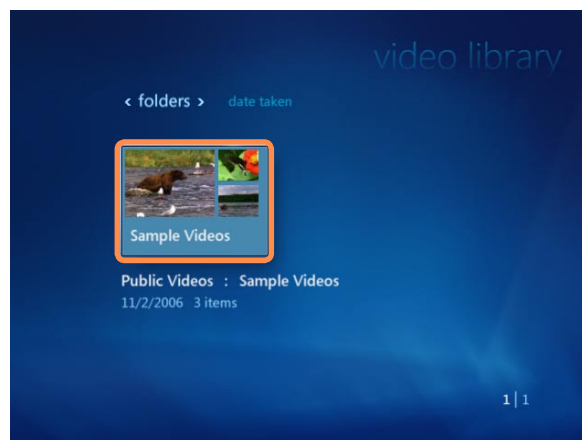
- 1 Launch Media Center, and select **Pictures + Videos**.

- 2 Select **Video Library**.



When you run it for the first time, the **Setup Library** window may appear. In this case, click the **No** button.

- 3 Select a folder with video files.
If you select a video file, the video file is played.



Viewing Pictures and Videos Saved on Removable Media

The procedures to view pictures, images and videos saved on removable media in Media Center are described below.

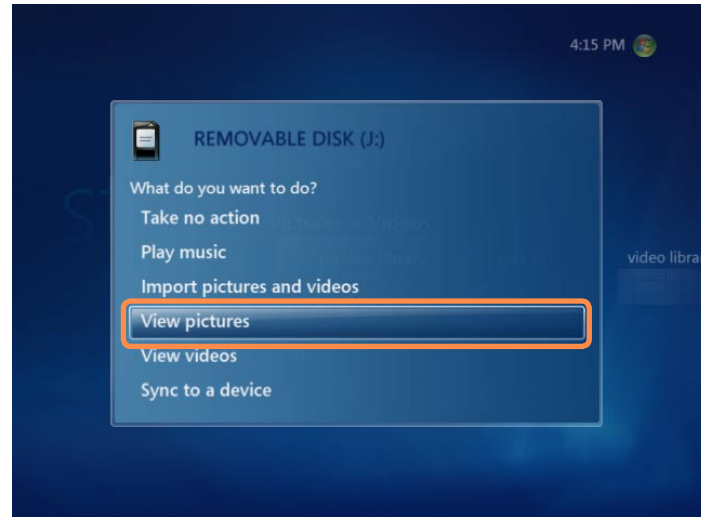
1 Launch Media Center.

2 Insert a removable media with picture, image or video files. Removable media refers to a CD, DVD, USB flash memory, memory card, etc.



To view pictures saved on a digital camera, connect the digital camera and the computer using a USB cable.

3 After a while, a window notifying you that new media has been found appears. Select **View Pictures** or **View Videos**.



4 If the file list appears, select a file.

5 View the picture or video.

Music

In Music of Media Center, you can play music files or audio CDs. In addition, you can rip the tracks of an audio CD onto the computer and play them later individually or by using a playlist.



To use it, you need to connect an external-type ODD.

Playing an Audio CD

- 1 Launch Media Center.
- 2 Press the Eject button of the CD-ROM drive to open the CD tray and insert an audio CD. The tracks on the CD are played automatically.

Ripping an Audio CD

- 1 Launch Media Center.
- 2 Insert an audio CD into the CD-ROM drive and play the CD.
- 3 Select **Copy CD** at the bottom left of the Music Player window.



When running the Rip CD function for the first time, the Ripping Options appear. Configure the ripping options according to the instructions on the screen, and complete the following procedures. From the second time the program is run, the setup options are omitted.

- 4 If the Rip CD window appears, click **Yes**.
- 5 Ripping a CD begins by showing rotating CD icon on the right side that indicates ripping a CD is in progress. When ripping is complete, the ripping CD complete message appears.

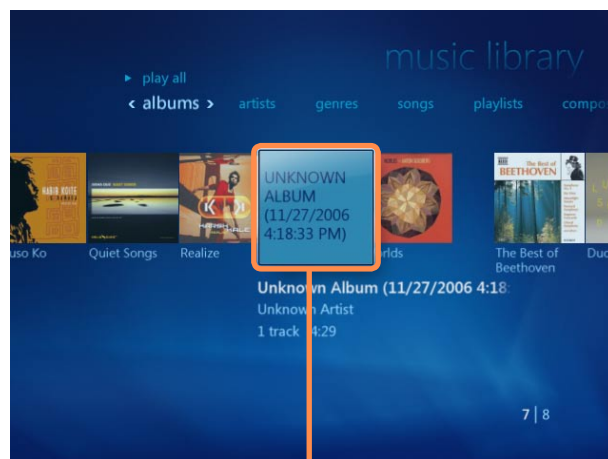


The ripped tracks are displayed in the **Music > Music Library** of Media Center and in the **Library** of Windows Media Player. The ripped tracks are copied to **Start > Music** of the Desktop as album files.

To change the folder to save the ripped tracks to, launch Windows Media Player and right-click over the top taskbar and select **More Options > Rip Music > Rip music to this location** from the pop-up menu.

Playing Ripped Tracks

- 1 Launch Media Center, and select **Music**.
- 2 If you select **Music Library**, the album list appears including the ripped album.



Ripped music albums

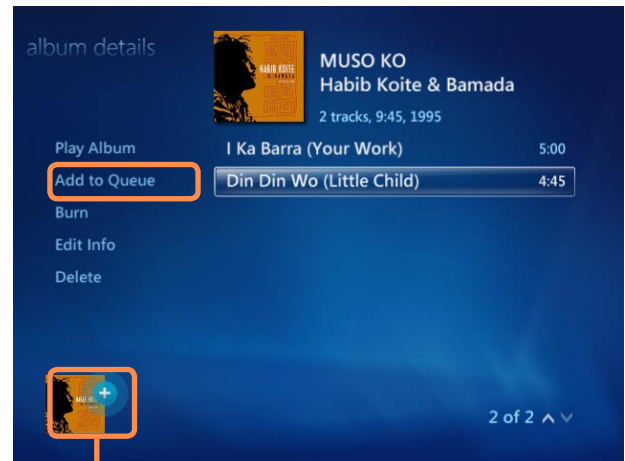
- 3 Select an album to be played and click **Play Album** in the left pane.
- 4 The album is played.

Using Playlists

You can easily create, manage and play a playlist with ripped music albums and music files downloaded from the Internet.

- 1 Launch Media Center, and select **Music > Music Library**.
- 2 You can search for a music file by selecting the album, artist, genre or song at the top.
If you select **Playlist > All Music**, all registered music files are listed.
- 3 Select the music files to be added to the playlist and click **Add to Queue** in the left pane.

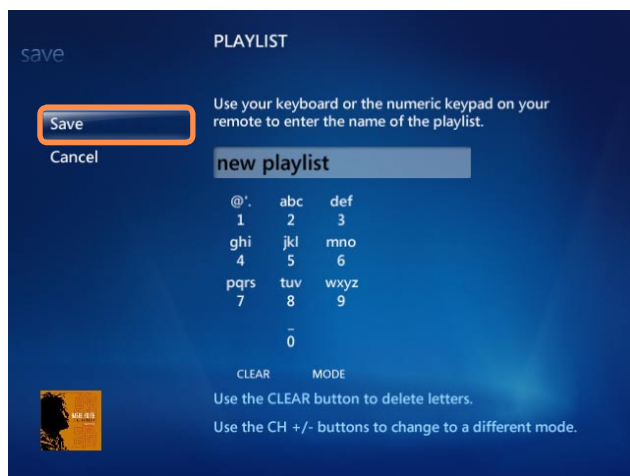
- 4 The + mark starts blinking at the bottom left of the Media Player window and disappears the selected music files are added to the queue.



Media Player Window

- 5 Select the Media Player window at the bottom left and click **View Queue**.

- 6** Select **Save As Playlist**, enter a playlist name and select **Save**. If you have a remote control, you can enter a name using the numeric buttons on the remote control.



- 7** To play the saved playlist, select **Media Center > Music Library > Playlist**, select a playlist and click **Play**.



■ **If a music file appears in the Media Center even after the file has been deleted**

If you deleted a music file, you must also manually delete the file from the Media Center playlist.

■ **Deleting a playlist from Media Center**

Select **Media Center > Music Library > Playlist**, select a saved playlist and click **Delete**. Then the selected playlist is deleted.

TV + Movies



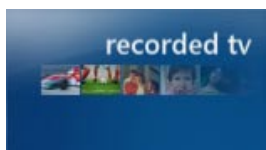
The TV function is only available when a TV tuner card is installed on your computer.

TV + Movies Menus



Live TV

You can watch live TV programs.



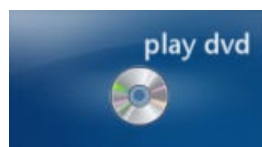
Recorded TV

You can watch recorded TV programs.

Guide

(TV Broadcast Program Guide - EPG)

You can view the TV program guide. You can watch or record live TV programs and reserve a recording.



Play DVD

The DVD title appears.

Search

You can search for a program by the title, keyword or genre.



What is a TV Program Guide - EPG?

An Electronic Program Guide (EPG) is a TV program guide. You can select a program and view detailed information on that program or easily reserve a recording. The guide information is updated by Media Center more than once a day.

Playing a DVD

The procedures to watch a DVD title are described below.



To use it, you need to connect an external-type ODD.

1 Launch Media Center.

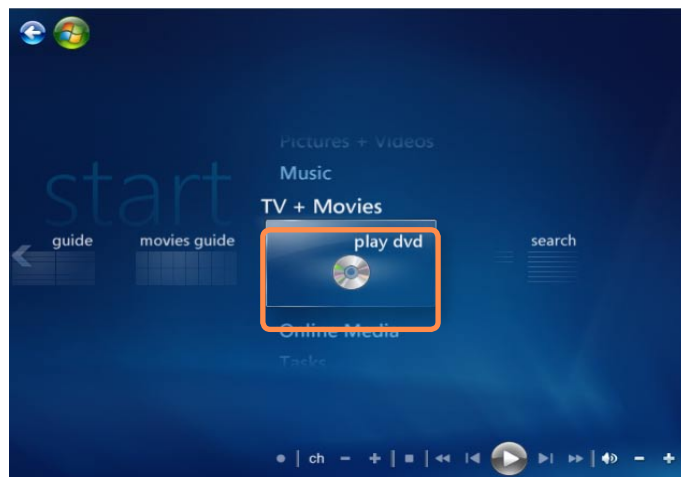
2 Press the Eject button of the DVD drive to **open** the tray and insert a DVD title.



If you insert a DVD title without starting Media Center, the Auto Play selection window appears. Select **Play DVD Video using Media Center** and click **OK**.

3 After a moment, the DVD menu is displayed.

If the DVD menu is not automatically displayed, select **Play DVD** in the start screen.



4 Select **Watch Movie** or **Play** from the DVD menu.

The DVD title is played.

If you move the mouse, the Play Control buttons appear. Using the Play Control buttons, you can play the DVD from a particular point or stop playing the DVD.

Online Media

You can access more online content through Online Media.

Online Spotlight is a service provided by content providers via the Media Center. You can enjoy all kinds of multimedia content such as movies, news, sports, etc. over the Internet.



- To use Online Media, your computer must be connected to the Internet.
- For problems encountered while using Online Media, contact the corresponding online service provider. Online Media content services are not the responsibility of the computer manufacturer.

Chapter 8.

Appendix

Using Samsung Magic Doctor	184
Using McAfee SecurityCenter	185
Reinstalling Software	186
Reinstalling Windows Vista	188
Samsung Recovery Solution II	192
Q & A	202
Intel Media Sharing Software Information	218
Product Specifications	219
Glossary	223
Index	226
Contact SAMSUNG WORLD WIDE	227

Using Samsung Magic Doctor

Magic Doctor is troubleshooting software provided by Samsung Computer. A user can diagnose system problems via one-click or by selecting diagnostic items.

Diagnosing the System

Diagnosing the System is a function to check system connections and diagnose problems affecting to system operation and solve it.

1 Click **Start > All Programs > Samsung > Samsung Magic Doctor > Samsung Magic Doctor**.

2 Click on **Diagnose the System** to start diagnosing the system.

3 When the system diagnosis is completed, the diagnostic result appears. If problems are found, click the **Cure** button to correct the problem. Samsung Magic Doctor starts the corrective operations.



Using McAfee SecurityCenter

A computer virus is a program that damages computer files and information saved on a computer. A computer is infected by an already infected file or by another computer over the Internet. Let's learn how to use McAfee SecurityCenter in order to scan and remove viruses and to protect your computer from various threats on the Internet.



When McAfee SecurityCenter is run for the first time, the Registration screen appears. Register according to the instructions on the screen. You have to register the software to protect the PC with the latest security information.

Scanning and Curing Viruses

1 Click **Start > All Programs > McAfee > McAfee SecurityCenter**.

2 Click **Scan** from the left pane of the program.

3 If a virus is found, remove the virus according to the instructions on the screen.



To protect yourself against the latest viruses, update McAfee SecurityCenter regularly.

Connect to the Internet and click the **Update icon** ( **Update**) to update.

Reinstalling Software

You can reinstall software using the System Software Media, when a device driver or computer application is not working properly.



When software is not working properly, it is recommended removing the software using the Add or Remove Programs of the Control Panel and reinstalling the software using the System Software Media.

The System Software Media in the text is supplied as a CD or DVD depending on your computer model.

To use the system software media, **the external USB ODD must be connected** to the computer.

The following descriptions presuppose that the external USB ODD is connected.

Running the System Software Media

The System Diagnosis function enables users to diagnose the system connectivity, any system problems and resolve these problems.

1 Insert the System Software Media into the external ODD. When the AutoPlay window appears, click **Run SoftwareMedia....** in the **Install or Run Program** item.

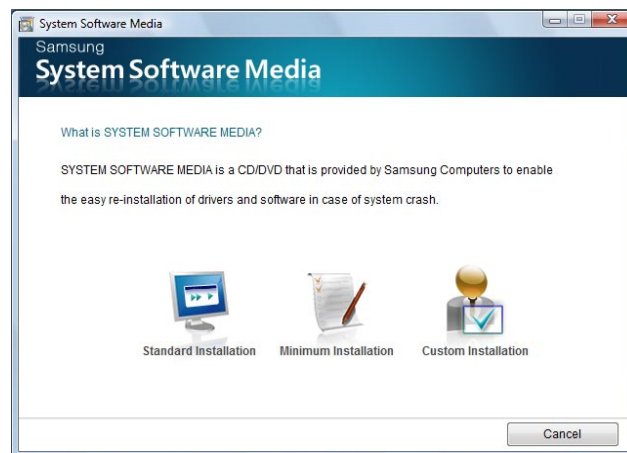
2 In the **User Account Control** window, click **Allow**.



If you are not logged in with an administrator account, you have to enter an administrator password in the User Account Control window.

3 The **System Software Media** will launch.

Select an installation option to start the installation.



► **Standard Installation**

If you select this option, programs not currently installed on the computer are listed.

You can conveniently use this option, when installing all the programs on the media after reinstalling Windows.

► **Minimum Installation**

If you select this option, programs are listed that need to be installed on the computer (drivers, Windows updates, etc.).

You can conveniently use this option, when you need to install essential programs only.

► **Custom Installation**

If you select this option, you can select the programs to be installed.

You can conveniently use this option, when you need to install an individual driver or program that is causing a problem.

Installing Software



As an example, the installation procedures for the **Standard Installation** options are described below.

- 1 Select **Standard Installation** in the **System Software Media** main screen.



- 2 If the **Start Standard Installation** window appears, click the **Yes** button. The drivers and programs, which were installed in the computer when you purchased the computer, are installed again.

- 3 The **Software installations was completed** window appears. If you select **Yes** and click **Finish**, the computer is restarted.

Reinstalling Windows Vista

You can reinstall Windows using the System Recovery Media when Windows does not work properly.



- **System Recovery Media** is optional and may not be provided depending on your computer model. These descriptions are only for models supplied with the **System Recovery Media**.
- To install Windows, an **external-type ODD** and a **USB keyboard** are required. Connect the external-type ODD and USB keyboard before turning the computer on. If you connect a USB keyboard during the installation, the computer will fail to recognize the USB keyboard.
- To reinstall Windows when Windows does not boot, refer to [p.190](#).
- The manual describes procedures on the basis of Windows Vista Home Premium.



Reinstalling Windows may delete data (files and programs) saved on the hard disk drive. Make sure to backup all important data. Samsung Electronics shall not be held liable for any loss of data.

Reinstalling in Windows

2 When the **AutoPlay** window appears, select **Run setup.exe** and tap **Allow**.



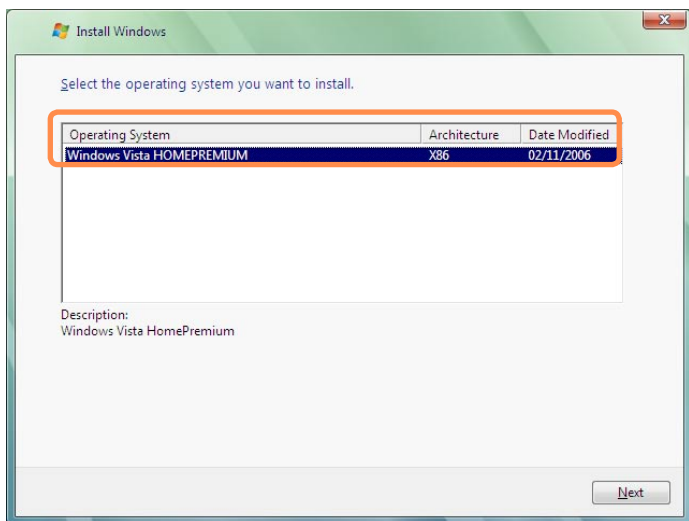
● Preparation

1. Connect an external-type ODD through the **USB Port** of the computer.
2. Connect the **external-type USB keyboard**.
3. Turn the computer on to boot up Windows.

1 Insert the **System Recovery Media** into the **external ODD**.



- 3 When the window appears allowing you to select the operating system to be installed, tap the **Next** button.



When previous Windows installation files are in the selected partition, a message appears informing you that the files and folders will be moved to the Windows.old folder. Click the **OK** button.



The name of the operating system may differ depending on the Windows version.

- 4 When the Software License Agreement screen appears, select **Agree** and click the **Next** button.
- 5 When a window appears asking for the location to install the operating system to, select a disk drive partition and tap the **Next** button.

- 6 The Windows installation continues. The computer will restart 3 times during the installation. If the **Press any key to boot from CD or DVD...** message appears after a restart, do not press any button.
- 7 The Windows user registration screen appears. Select the username and photo and tap the **Next** button.
- 8 Enter the computer name. The window in which you can select the Desktop background appears. Enter the contents and tap the **Next** button.
- 9 The Windows automatic protection settings window appears. Configure the setting according to your requirements.
- 10 The time and date settings window appears. Tap the **Next** button.

- 11 The Registration Complete window appears. If you tap the **Start** button, a computer specifications check begins.
- 12 After a while, the Windows Desktop appears. When Windows is launched, install the device drivers and applications according to your requirements using the **System Software Media**.

Reinstalling when Windows does not start

When Windows does not start, boot up with the **System Recovery Media** and from there you can reinstall Windows.



Connect the **external-type ODD** and **USB keyboard** before turning the computer on. If you connect a USB keyboard during the installation, the computer will fail to recognize the USB keyboard.

- 1 Insert the **System Recovery Media** into the DVD drive and restart the computer.
- 2 If the **Press any key to boot from CD or DVD...** message appears while booting, press any key on the keyboard.

Press any key to boot from CD or DVD.....

- 3 After a while, the Options windows such as Language, Time, Keyboard, etc. appear. Confirm the settings and tap the **Next** button.

4 When a window appears in which you can select the operating system to be installed, tap the **Next** button.



The name of the operating system may differ depending on the Windows version.

7 The subsequent steps are the same after 5 step for Reinstalling in Windows. p.188

5 When the Software License Agreement screen appears, select **Agree** and click the **Next** button.

6 When a window appears asking for the location to install the operating system to, select the partition of the disk drive and then tap the **Next** button.



- If you click Drive **Options (Advanced)**, you can delete, format, create or expand a partition. Click on a function and proceed according to the instructions on the screen.
- When previous Windows installation files are in the selected partition, a message appears informing you that the files and folders will be moved to the Windows.old folder. Tap the **OK** button.

Samsung Recovery Solution II



For models with a hard disk drive of 60GB or less, Samsung Recovery Solution II supports the Basic Restore and Complete Restore functions except for the Backup functions.

What is Samsung Recovery Solution II?

Samsung Recovery Solution II enables you to easily restore your hard disk drive to a previous state when a problem occurs with your computer.

Samsung Recovery Solution II Functions

Samsung Recovery Solution II provides the following functions.

Function		Description
Restore	Basic Restore	This function restores major Windows files without touching the user configuration and data when a problem occurs with the computer. It restores the files over a short time (2~3 minutes).
	Complete Restore	This function restores your computer using the Factory Status Backup or User Backup image when the computer does not work properly. If the problem continues even after the above Basic Restoration is performed, a Complete Restore is recommended.  A Complete Restore will delete all data on drive C.
Backup	Factory Status Backup	This function saves the factory status image of drive C as a compressed image in a secure area. The factory status is automatically backed up after the computer is purchased so that users can restore the computer to the factory status.

Backup	User Backup	This function saves the image of drive C to drive D at a user's specified time. If a user has backed up the disk image using User Backup, the user can restore the computer to the backup image using Complete Restore. Example) You can backup the disk image after installing a favorite game or MS Office.
---------------	--------------------	--

The function for the right case!

► I cannot start Windows!

(The booting file is missing or a corrupted error message appears.)

This happens when Windows files are corrupted.

In this case, use the **Basic Restore** function of **Restore**. If the problem continues even after a Basic Restore is performed, use the **Complete Restore** function.

► The boot time increases, the system crashes and errors occur frequently!

In this case, use the **Basic Restore** function of **Restore**. If the problem continues even after a Basic Restore, use the **Complete Restore** function.

► I want to reinstall Windows only, without touching my documents!

In this case, use the **Basic Restore** function of **Restore**. It overwrites Windows and system files only.

Restoring Your Computer

Samsung Recovery Solution II operates as follows when the computer is used for the first time. You have to create a backup of the factory status according to the following procedures immediately after purchasing the computer to use the restoration function.

The overall procedures will be described here. For more detailed information on steps 3, 4 and 5, see p.196.

Setting Up Procedures	
❶ Turn on the power for the first time.	Turn on the power for the first time after purchasing the computer.
❷ Register Windows.	If you turn the power on for the first time, the Register Windows screen appears. If you register Windows according to the instructions on the screen, the computer will be restarted.
❸ The Partitioning hard disk drive function is automatically launched.	When the computer is restarted, the partition disk screen appears for the efficient use of disk space.  The partition disk function is only available when turning the computer on for the first time and will not be available thereafter. Once you have completed the partitions, you cannot resize the partitions. Therefore partition the disk carefully.
❹ Samsung Recovery Solution II is automatically launched - Factory Status Backup.	When the partitioning is complete, a screen appears which allows you to backup the factory status of drive C to drive D. This is a required step for backing up the factory status of drive C for the normal operation of Samsung Recovery Solution II.

	This backup image is used for the Complete Restore function that restores your computer to its factory status when the computer is not working properly. For the backup procedures, refer to page 195.
⑤ After 3 days, back-up the hard disk, if necessary. (p.197)	3 days after the Factory Status Backup, a message appears asking if you want to backup the current status of drive C. The current image of drive C is saved to drive D and the last user backup image is removed.

Backup Function

This function saves the image of drive C to drive D. If you backed up the disk image, you can easily restore the computer to the backup image when Windows does not work properly.

The backup function provides **Factory Status Backup** and **User Backup** functions. Therefore, there are 2 backup images available (Factory Status Backup and User Backup) for the restoration function.

Factory Status Backup

If you turn your computer on for the first time, the Factory Status Backup function is performed after registering Windows.

This function saves the factory status image of drive C to a secure area so that users can restore the computer to the factory status using the Complete Restoration function.

Factory Status Backup is only performed once after the computer is purchased.

- 1
- If you turn the power on for the first time, the Register Windows screen appears.

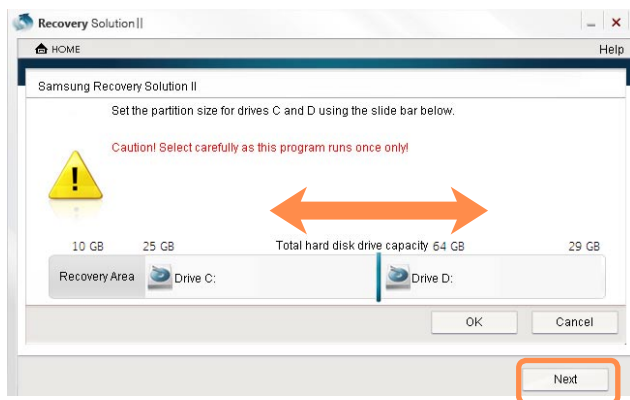
If you register Windows according to the instructions on the screen, the computer will be restarted for the Factory Status Backup.

2 When the computer is restarted, the partition disk screen appears before proceeding with the Factory Status Backup. Read the instructions on the screen carefully and click the **Next** button.



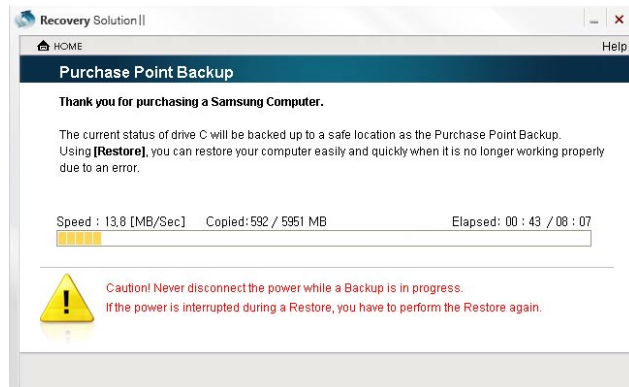
The partition disk function is only available when the computer is turned on for the first time and will not be available afterwards.

3 Partition your disk into drives C and D. Adjust the partition size using the slide bar and click the **Next** button.



Once you have completed the partitions, you cannot resize the partitions. Therefore partition the disk carefully.

4 When the partitioning is complete, the Factory Status Backup is performed to backup the factory status of drive C to a secure place.



This backup image is used for the Complete Restore function that restores your computer to the factory status when the computer is not working properly.

5 When the Partition and Factory Status Backup is complete, restart Windows.

User Backup

This function saves the image of drive C to drive D at a time specified by the user. You can backup and maintain only one copy of a User Backup image.



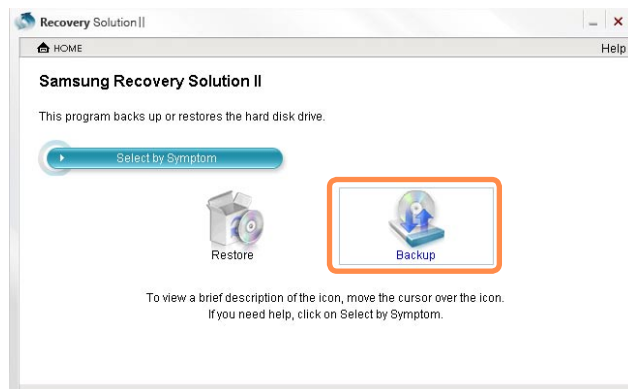
Since the backup image is saved on drive D, if drive D is formatted or the drive D partition is deleted, the backup image is also deleted so that you will not be able to restore the computer with the backup image.

- 1 Click **Start > All Programs > Samsung > Samsung Recovery Solution II > Samsung Recovery Solution II**.

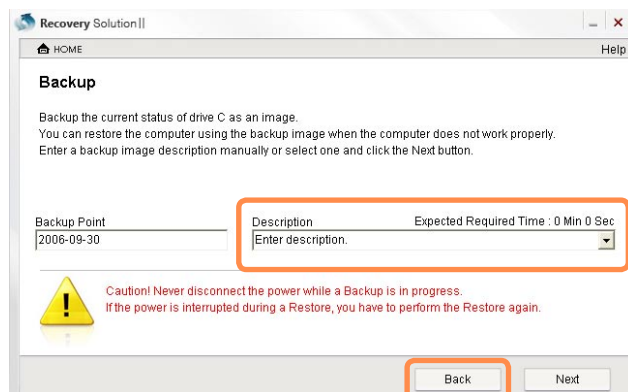
When you cannot start Windows

Turn the computer on and press the **F4** or **F7** key when the boot screen (SAMSUNG logo) appears. (If you press the key multiple times, the Windows Boot Manager screen may appear. In this case, press Enter.) After a while, the computer boots up in Restoration mode displaying the SAMSUNG Recovery Solution II screen.

- 2 If the initial menu screen appears, click **Backup**.
A description of the backup will be displayed on the screen.



- 3 Enter a brief description for this backup in the Description input box and click the **Next** button. The computer is re-started in restoration mode.



If the Samsung Recovery Solution II program is launched for the first time after purchasing the computer, the license agreement screen appears before starting the backup. Read the agreement and click **Agree** to continue.

4 Select drive D to save the backup file.

5 When the backup is complete and the system restart message appears, click **OK** to restart the system.

When the backup is complete, a Samsung Recovery folder is created on drive D and the backup disk image is saved in the folder.

This image is used for the Complete Restoration function when the computer is not working properly.

Restoration Function

When your computer does not work properly due to a problem with the computer, you can restore the computer a previous stable condition using Samsung Recovery Solution II. Samsung Recovery Solution II provides Basic Restore and Complete Restore functions.

What is Basic Restore?

This function restores major Windows files without touching the user configuration and data when a problem occurs with the computer.

What is Complete Restore?

This function restores your computer using the Factory Status Backup or User Backup image when the computer does not work properly. However, note that the Complete Restore function will delete all data on drive C.



If the problem continues even after the above Basic Restore function has been performed, a Complete Restore is recommended.

Restoring Your Computer

- 1 Click **Start > All Programs > Samsung > Samsung Recovery Solution II > Samsung Recovery Solution II**.

When you cannot start Windows



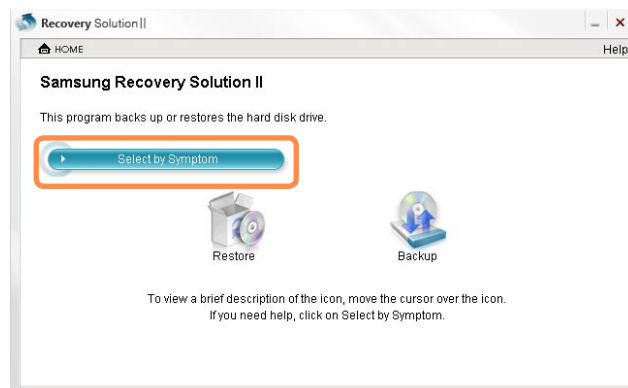
Since you can use it only when an external keyboard is connected, connect an external keyboard before turning the computer on. If you connect a USB keyboard during the installation, the system will not recognize the keyboard.

Turn the computer on and press the **F4** or **F7** key when the boot screen (SAMSUNG logo) appears. (If you press the key multiple times, the Windows Boot Manager screen may appear. In this case, press Enter.) After a while, the computer boots up in Restoration mode displaying the SAMSUNG Recovery Solution II screen.

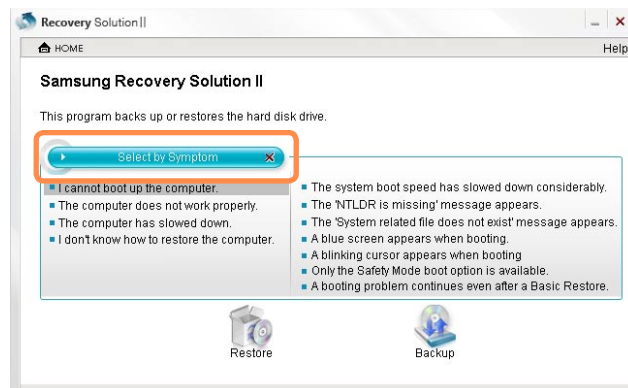


If the Samsung Recovery Solution II program is launched for the first time after purchasing the computer, the license agreement screen appears before starting the restoration. Read the agreement and click **Agree** to continue.

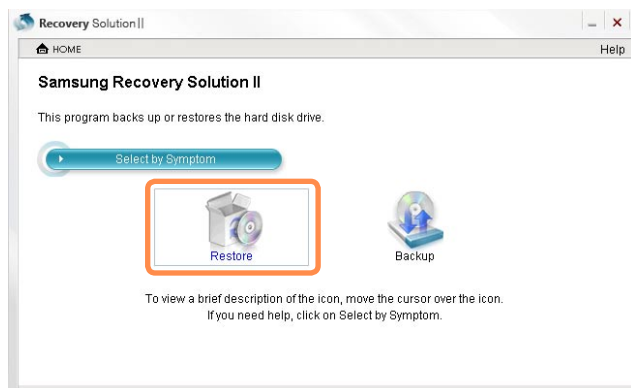
- 2 If the initial menu screen appears, click **Select by Symptom**.



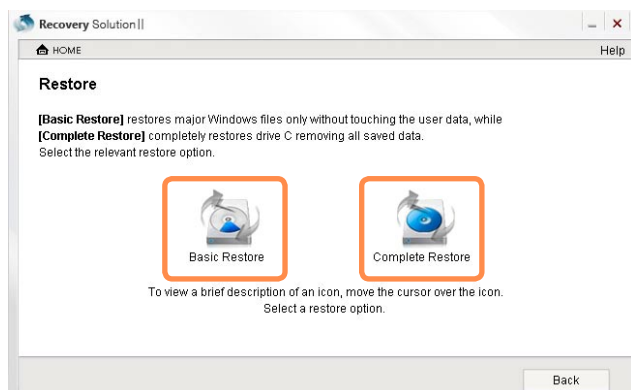
If you select a symptom, Samsung Recovery Solution II will display the recommended restoration menu.



- 3 If you fail to find your symptom using Select by Symptom, close the Select by Symptom screen and click **Restore** from the main menu.



- 4 Select either **Basic Restore** or **Complete Restore** from the Restoration menu.



- 5 If you have selected **Basic Restore**, and you click the **Next** button, the system is restarted and boots up in restoration mode. If you have selected **Complete Restore**, select a restoration point, and then click the **Next** button.

The system is restarted in restoration mode.

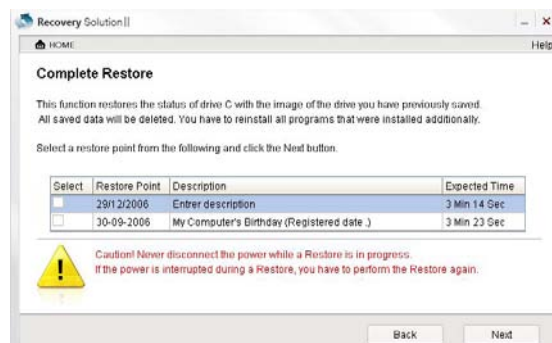


The first time the computer boots up after a Complete Restore has been performed, the boot speed may slow down due to the system optimization process.



Available restoration points for the Complete Restore function

In the Complete Restoration function, you can select either **Factory Status Backup** or **User Backup**. If you have not created a User Backup, you cannot select **User Backup**. When the computer boots up in restoration mode, the restoration progress message appears. If you click **OK**, the restoration is performed. When the 'Restart the System' message appears after the restoration is complete, click **OK** to restart the system.



Removing Recovery Solution

If you do not need or use Samsung Recovery Solution II, you can remove the Recovery Solution program.

► Removing the Samsung Recovery Solution II Program



Even if you remove the Samsung Recovery Solution II program, only the program is removed leaving the restoration area on the disk unchanged.

Therefore you can use the Backup, Restore and Install functions by pressing the F4 or F7 key while booting up even after the Samsung Recovery Solution II program is removed.

- 1 Click **Start > Control Panel > Add or Remove Programs**.
- 2 Select Samsung Recovery Solution II and click the **Change/Remove** button. Then the Samsung Recovery Solution II program will be removed.

Q & A

This section provides information on possible problems, solutions and other references for using the system.

Display Related

Q The LCD screen is too dark or too bright

- A Adjust the LCD brightness. Press the **MENU** button and click on **Brightness**  or .

Q The screen saver disturbs Media Player playing a movie or video clip after the screen saver is activated while Media Player is playing.

- A Unselect **Library > More Options > Player > Allow screen saver during playback** in the Media Player.

Q In the following cases, the screen blinks or displays noise for a short time.

Click the Graphics Related tab, Change Resolution, Change Display Device, Remove the AC Adapter, Restart the System, Change Power Scheme.

- A This may happen while the video driver is examining the connected device. While busy detecting, any connected display devices may blink or some noise may occur.

Q When I connect a projector, and change the settings to display the screen image on both the LCD and the projector by pressing the MENU button, the screen is not displayed properly.

- A Press the MENU button and press the button to the right of the LCD/CRT button to switch to **LCD+CRT Clone**.

The screen may not be displayed or only part of the screen may be displayed when the LCD resolution is too low or too wide and the projector cannot support the resolution. In this case, **right-click** over the Desktop, select **Personal Settings > Display Settings (Y)**, set the resolution to 800 x 600 pixels and then try again.

Q The shortcut icons are not displayed on the screen even if I press the shortcut key.

A The shortcut icons only appear when the Easy Display Manager program is installed.

Q I have connected a monitor (or projector) to the computer, but the colors on the monitor are abnormally displayed.

A Check if the monitor and computer are properly connected with the signal cable and reconnect the cable if necessary.

Q The picture on the screen trembles.

A The picture on the screen may tremble when you view some Internet pages or play some on-line games. In this case, using an external monitor is recommended.

Wired Network (LAN) Related

Q The <Wake On LAN> function

A1 <Wake On LAN> is a function that activates the system from Sleep mode when a signal (such as a ping or magic packet command) arrives over the network (wired LAN).

Using the <Wake On LAN> Function

- ① Click **Start > Control Panel > Network and Internet > Network and Sharing Center > Manage Network Connections**.
- ② Right-click on the Local Area Connection and select Properties.
- ③ Click **Configure > Power Management** tab. Select **Allow this device to bring the computer out of standby**, then click **OK**. Restart the system.
 - If the system is activated from Sleep mode when there is no received signal, use the system after disabling the <Wake On LAN> function.
 - When turning the power off when <Wake On LAN> is disabled, the LAN LED may continue to be lit.
 - Connecting a wired LAN while using a wireless LAN may not activate the <Wake On LAN> function. Set the Wireless LAN to **Disable** to use the <Wake On LAN> function.
- ④ Click **Start > Control Panel > Network and Internet > Network and Sharing Center > Manage Network Connections**.
- ⑤ Right-click on the Wireless Network Connections and select **Disable**.

Q When I am connected to a 100Mbps/1Gbps wired LAN and the computer exits Sleep/hibernation mode, a message appears informing you of a connection to a 10Mbps/100Mbps wired LAN.

A When the computer exits standby/hibernate mode, restoring the network takes about 3 seconds.
When the network is restored, it operates at 100Mbps/1Gbps.

Wireless Network (WLAN) Related

Q The Wireless LAN device is operating properly, but I cannot connect to the Internet or to another computer.

► **This is due to an incorrect configuration, or a configuration error. Check the following:**

- A1** If you are using a computer-to-computer (Ad Hoc) network connection, check that the name of the configured network (SSID) is correct.
- A2** If you are using a network key (encryption key), you have to use the same network key for an AP (Access Point) or a computer-to-computer network (Ad Hoc). The network key of the AP is configured in the AP management program. Ask your network administrator or AP manager for more detailed information.
- A3** Check that the device driver is installed properly. If the driver is not properly installed, you will find a yellow exclamation mark on the network icon by clicking **Start > Control Panel > System and Maintenance > Device Manager > Network Adapter**.

Q The signal strength is excellent, but I cannot connect to the network.

► **Even if the signal strength is excellent, the network connection may not operate properly if the TCP/IP properties are not properly configured, or the network key (encryption key) is incorrect.**

- A** Check that the TCP/IP properties are configured properly. When connecting to an AP, right-click the **Network Connections**  icon on the taskbar and select **Network and Sharing Center**. If you click the **View Status** next to a connected wireless network device and then click the **Detail** button, you can view the IP information. If the IP is not allocated properly, the IP address will be displayed as follows (e.g. 169.254.xxx.xxx).

If the network does not provide DHCP, you have to specify the correct IP address by asking your network administrator.

Even if the network provides DHCP, the server may not allocate an IP address to the client properly, and the client station cannot connect to the network.

Q I cannot connect to the AP.

► Check the Computer Settings

A1 Click **Start> All programs> Accessories> Windows Mobility Center** and check the status of Wireless Device.

- **When the Wireless is turned off**

Turn on the Wireless via the button '**Turn wireless on**' in the Mobility Center.

If the button is inactivated with gray color, change the Wireless LAN item to **On** in the **MENU**.

- **When the Wireless Network status is 'Not connected'**

The computer is not connected to AP. Check the AP status with reference to '**Check the AP Settings**' below.

Retry to connect after checking the network key settings (encryption key) of related AP.

- **When the Wireless Network status is Connected but the internet is not enabled.**

The computer is connected to AP but the AP or the network connected with the AP may have a problem.

- **When a message of 'No wireless Adapter found' appear or a icon for Wireless Network is not found in the Mobility Center.**

The wireless device is set to '**Disabled**' or the device is not detected. Click

Check the wireless LAN device is properly detected and change to **enable** when it is set as **disabled** in the **Device Manager window**.

- A2** Verify whether the same network key (encryption key) has been entered for both the AP and the computer. The network key is an encryption key for encrypting the data transmitted between the AP and the computer. It is recommended setting the network key manually.
- **Check the AP Settings**
For the AP settings, refer to the User Guide provided by the AP manufacturer.
- A3** Verify whether the environment is suitable for using a wireless LAN. The use of a wireless LAN may be restricted according to the environment and distance. Obstacles such as walls or doors affect the use of a wireless LAN. Install the AP in a high and open space, 50cm from the wall and far removed from any other radio signal sources.
- A4** Verify whether the AP is operating properly.
- When the AP is not operating normally, turn off the AP, wait a short while, and turn it on again.
 - Verify whether the AP's firmware is the most recent version. (Contact the AP manufacturer or the place where you purchased the AP for details of the AP firmware.)
- A5** Verify whether the AP has been properly connected to the network. Verify whether the network is operating normally by connecting the wired network cable, which has been connected to the AP, to your computer.
- A6** Check the network key settings (encryption key) again. When automatic code conversion (a passphrase function) has been selected and data communication is not functioning even with a normal wireless connection, it is recommended entering the network key (encryption key) manually.
- A7** Check the AP settings as follows. (The following is recommended for a standard environment and thus may differ according to the specific wireless network environment.)
- When several APs are present simultaneously, check the channel settings for each AP. When different APs are using nearby channels, interference may occur between the electronic waves. Set the AP channels further apart from each other.

(Ex: Ch1, Ch5, Ch9, Ch13)

- When an AP's SSID (Service Set ID) option is set to "Hide", you cannot search for that AP on the computer. We recommend unselecting the "Hide" option for the AP. The SSID is a name used for distinguishing one wireless LAN from another wireless LAN.
- It is recommended using Long Preamble. Preamble is a signal for data transmission synchronization. Short Preamble may be supported by some types of APs but may cause compatibility problems.
- It is recommended using a static IP.
- Since static channel selection is more reliable than auto channel selection, it is recommended using a static channel.

Q When connecting to a computer-to-computer (Ad Hoc) network, I cannot connect to another computer on the same computer-to-computer network.

- A1** Make sure that the security settings and network name of the computer-to-computer (Ad Hoc) network are correct.
- A2** Check the TCP/IP properties of the computers to be connected through the computer-to-computer (Ad Hoc) network. All computers to be connected through the computer-to-computer (Ad Hoc) network should be configured so that their IP addresses are within the same subnet range.
- If the TCP/IP Settings are configured to DHCP, the address is automatically configured to an address within the subnet IP range. This will take about 2~3 minutes.
 - If the IP address is configured to a static IP in the TCP/IP properties, select Use the following IP address in the TCP/IP properties of the wireless adapter, configure an IP address between 10.0.0.1~10.0.0.254, and a Subnet mask of 255.255.255.0, and try again.
 - A fixed IP is recommended for a small-sized network.
 - If you are using a DHCP IP address, the system boot time may be extended.

A3 You must register the IP address allocated by the McAfee SecurityCenter as a 'Trusted IP'. Select the **Advanced menu > Settings > Internet and Network > Advanced**, and register the IP address or IP address range of a network in the 'Trusted or Blocked IP' field.

Q When using a computer-to-computer (Ad Hoc) network, sometimes I cannot search the access point.

A It may happen occasionally when you are using a computer-to-computer (Ad Hoc) network connection. Even if you cannot find some access points, the computer-to-computer (Ad Hoc) network is operating properly. Click Refresh to view the latest search result.

Q The network does not operate properly when both the wireless and the wired network connections are simultaneously configured with the same IP address.

A You cannot use the wireless and the wired network connections using the same IP address simultaneously. To use either the wireless or the wired network in turn with the same IP address, you have to Disable whichever network device will not be used in the network connection of the Control Panel.

Q The wireless LAN does not work properly when there is a device operating on an adjacent frequency in the vicinity of the product.

A1 Channel interference may occur when a wireless video transceiver or a microwave oven is being used. If you experience channel interference from other equipment, we recommended changing the channel for connecting to the AP. For more information about AP settings, refer to the User Manual supplied by the AP manufacturer.

A2 Since IEEE802.11g equipment operates in hybrid mode when there is active IEEE802.11b equipment, the data rate may be degraded.

Bluetooth

Q The Korean or Chinese characters in a business card received via Bluetooth are broken.

A1 If you send a business card including Korean or Chinese characters by selecting a **Select a business card in the file (*.vcf, *.vcd)** option, the characters on the received card will be broken.

This is because the contents of the business card file are not set to Korean or Chinese characters (CHARSET). To resolve this problem, edit the contents of the business card file manually as follows.

❶ Right-click over a business card file (*.vcf, *.vcd) to be sent and select **Connect Program > Select Program**.

❷ Select **Notepad** from the program list.

❸ Edit the file as follows.

Example) "N:Magic Sens" => "**N;CHARSET=KS_C_5601**:Magic Sens"

For Korean, add "CHARSET=KS_C_5601"

For Chinese Simplified (CHS), add "CHARSET=gb2312"

For Chinese Traditional (CHT), add "CHARSET=Big5"

A2 Perform Send business card immediately in the Address Book of Microsoft Outlook or select Transmission by **Outlook business card selection**, and you will be able to transmit a business card without broken characters and without editing the VCF file.

Q When no headset is found or cannot be connected.

A1 If the headset is already connected to another device, you will not be able to find the headset and cannot connect to the headset even if the headset is found. Disconnect the connection to the other device and then start the search again.

A2 If the headset is connected to a power adapter, you cannot make a Bluetooth connection.

Disconnect the power adapter and then retry.

A3 In general, a Bluetooth headset has 2 operating modes, On/Off mode and Pairing mode.

To connect the headset to another Bluetooth device such as a PC or cell phone, the headset must be in Pairing mode.

Switch the headset to Pairing mode and then retry the search operation.

In general, the headset in Pairing mode automatically returns to On/Off mode after a certain period of time.

Q There is no sound or sound is intermittently interrupted after connecting a headset.

A1 If your headset is a **mono headset**, check if a mono headset connection has been made. In this case, to resolve the problem, complete the procedures below.

- Double-click the Bluetooth icon in the notification area of the Taskbar, select the **Audio** tab and check the connectivity of the Bluetooth Hands Free Audio Device that corresponds to the headset in the Connected Device List. If it is not connected, right-click over the device and select **Connect**.
- Right-click the Speaker icon in the notification area of the Taskbar, select **Play Device > Bluetooth Audio > Load Defaults** and then click the **OK** button.
- After changing the Bluetooth or sound settings, you have to exit and re-launch the audio and video player programs to apply the changes.



The bluetooth **Mono Headphone** and **Microphone** functions are activated.

A2 If your head set is a **stereo headset**, you have to check if the headset is connected as a stereo headset.

To resolve the problem, complete the procedures below.

- Double-click the Bluetooth icon in the notification area of the Taskbar, select the Audio tab and check the connectivity of the **Bluetooth Stereo Audio Device** that corresponds to the headset in the **Connected Device List**. If it is not connected, right-click over the device and select Connect.
- Right-click the Speaker icon in the notification area of the Taskbar, select **Play Device > Bluetooth High-Quality Audio > Load Defaults** and then click the **OK** button.
- After changing the Bluetooth or sound settings, you have to exit and re-launch the audio and video player programs to apply the changes.

Game and Program Related

Windows Vista may not provide some functions properly when performing some applications especially games, or may cause a problem due to a device driver compatibility issue. For the latest device drivers and bug fixes, please refer to the respective company's website.

Q A 3D game does not work, or some functions are not working.

- A** Change the graphics settings of the game to '2D' or 'Software Renderer', then run the program again.

Q While playing a game, the screen may not be displayed or may be displayed abnormally when pressing the MENU button and then pressing the button to the right of the LCD/CRT button.

- A** Since the controls change for games and some 3D applications due to the system properties when the display device changes, pressing the MENU button and the button to the right of the LCD/CRT button while a program is running may cause the program to exit or cause the screen to be displayed abnormally.

Please use the button to the right of the LCD/CRT button before running a program. Using the button while a program is running is not recommended.

Q Running speed of a game is too slow or fast.

- A** Right-click over the Desktop, select **Personal Settings > Screen Saver > Change Power Setting** and select '**High Performance**'.

Q The picture is not displayed properly for some games.

- A** Some games such as 'Harry Potter and the Sorcerer's Stone', 'Harry Potter and the Chamber of Secrets', etc. may not display the picture properly when the screen resolution is set to 1024x768 and the color quality is set to 32 bit.

For these games, set the screen resolution to 1024x768, and the color quality to 16 bit.

Q The game is not displayed smoothly on the screen.

- A** For 3D games, the texture data for the 3D screen display is saved to the system memory.

If there is insufficient system memory, the data is saved to the hard disk drive and loaded to memory when required. This operation may temporarily stop displaying the picture on the screen.

In this case, lower the game resolution or the screen settings.

Other

Q I cannot run any functions.

A1 This may happen when the computer is in the HOLD status. When pressing a button or switch in the HOLD status, the **Charge LED** blinks for a moment. Slide the HOLD switch downwards and try again.

A2 If the computer is running on battery power, check the battery charge status.

Q The [Power Switch] do not work.

A1 This may happen when the computer is in the HOLD status. When pressing a button or switch in the HOLD status, the **Charge LED** blinks for a moment. Slide the HOLD switch downwards and try again.

A2 If the computer is running on battery power, check the battery charge status.

Q A 4GB memory capacity is not recognized by Windows.

A Windows Vista cannot display more than 4GB of memory due to license problems and driver compatibility reasons.

Although the memory capacity is displayed as 3GB in the system information, the 4GB memory is recognized and can be used normally.

Q The User Controls window appears when installing or running a program in Windows Vista.

A In this case, click **Allow** (or **OK**) to install or run the program. However, if you do not have an administrator account, you have to enter the administrator password in the User Controls window and then click **Allow** (or **OK**). If no administrator password is set you can click **Allow** (or **OK**) without entering a password.

Q How can I install the program?

- A** You can additionally purchase and install the following devices for UMPC. (See the **Installing Programs** section of the 'Getting Started Guide'.
- **External USB ODD dedicated to UMPC or Compatible External USB ODD**
 - **External USB HDD**
 - **USB Data Cable**
 - **LAN Cable** (direct cable or cross cable), etc. : Since the usage of a direct cable is the same as that of a cross cable, refer to the 'Getting Started Guide'.

Q I have turned the LCD screen off with a portable USB keyboard, but I cannot turn it on again.

- A** When you are using an optional **Portable USB Keyboard Dedicated to UMPC**, if you have turned the **Backlit OFF** (Screen Off) by pressing the <Fn>+<F5> keys, press the <Fn>+<F5> keys on the keyboard again to turn the **Backlit ON** (Screen On).

Q I want to replace the pointing stick cap of a portable USB keyboard.

- A** A portable USB keyboard has a pointing stick that can be used instead of a mouse. Since a spare pointing stick cap is supplied when you purchase a USB keyboard, you can remove the cap and then insert a new one if necessary.

Q The Touch Sensor Buttons do not work.

- A1** Try to press a Touch Sensor Button with your finger and not with your finger tip, so that a broader surface of your finger makes contact with the button.

- A2** The UDF button only works when the Easy Button Manager program icon is registered to the Taskbar notification area. When you cannot find the icon in the Taskbar, select **Start > All Programs > Samsung > Easy Button Manager > Easy Button Manager** to launch Easy Button Manager, and try again.
- A3** The VOL+/- buttons only work when the Easy Button Manager program icon is registered to the Taskbar notification area. When you cannot find the icon in the Taskbar, select **Start > All Programs > Samsung > Easy Button Manager > Easy Button Manager** to launch Easy Button Manager, and try again.

Intel Media Sharing Software Information

(Only for some models)

Intel Media Sharing Software enables users to access, download and play all kinds of media files such as music, video, image and picture files in the home network environment.

Intel Media Sharing Software runs on Intel CPU installed Intel Centrino mobile PCs only. You can achieve the best performance when the software is used with the Intel Viiv system.



- For detailed information about the Intel Viiv system, visit the Intel website: <http://www.intel.com>
- This function is only supported for some models.

Running Intel Media Sharing Software

If you are running the Intel Media Sharing Software for the first time, the Select a server message appears.

If you do not have a Media Sharing Server or a Viiv System at home, select Offline. Otherwise, configure the settings according to the instructions of the Installation Wizard. For detailed information about Intel Media Sharing Software, refer to the online help of the Intel Media Sharing Software.

Product Specifications

The system specifications may differ depending on the derived models. For detailed system specifications, refer to the product catalog.

CPU*	Intel Stealey CPU (ULV 800MHz)/ Intel Stealey CPU (ULV 600MHz)
Cache Memory*	512KB
Main Memory*	512MB~1GB, MAX 1GB, Memory type: DDR2 SODIMM
Main Chipset*	Intel 945GU
Hard Disk Drive*	1.8" HDD, 60GB
Graphics*	Intel Graphic Media Accelerator 945
Sound Chipset	HD Audio, ALC262 Codec
Network*	Wired LAN: Broadcom BCM4401E 10/100 PCI Ethernet Controller Wireless LAN: 802.11BG Bluetooth 2.0+EDR
Multi Card Slot	SD Card / MMC
Ports*	USB 2.0 x 2, Video (Monitor) Out Port, Headphone Jack, Wired LAN Port, DC-in Jack
Dimensions	227.5 x 123.9 x 22.9~23.5mm
LCD	7" WSVGA (1024x600)
Weight*	669g (without Bluetooth)
Battery*	Lithium-Ion smart battery: 4 Cells or 6 Cells
Operating Environment	Temperature (storage) : -5 ~ 40°C (operation) : 10 ~ 32°C Humidity (storage) : 5% ~ 90% (operation) : 20% ~ 80%
Operating Voltage	100 - 240VAC
Frequency	50 / 60Hz
Output Power*	60/90W
Output Voltage	19VDC



- The (*) mark represents optional components. Optional components may not be provided or different components may be provided depending on the computer model.
- The system specifications are subject to change without notice.

Wireless LAN Specifications (802.11BG Card)

Atheros AR5006EX Wireless Network Adapter Device

■ **The Name of the Registered Equipment** : Special Low Power Wireless Device for Wireless Data Communication Systems.

Item		Detailed Specifications
Physical Specifications	Dimensions	30.0 × 50.95mm (Width X Height)
	Operating Temperature And Humidity	Same as System Operations Temperature: Bet. 0°C and 70°C, Humidity: Less than 85%
Power Specifications	Sleep Mode	726mW
	Receive Mode	1.353W
	Transmission Mode	2.046W
	Power	3.3V
Network Specifications	Compatibility	IEEE 802.11b, IEEE 802.11g
	Operating System	Microsoft Windows XP/Vista
	Media Access Protocol (MAC)	CSMA/CA (Collision Avoidance) with Acknowledge-ment (ACK)
	Security	Wired Equivalent Privacy support (WEP) 64bit/128bit WPA*

* This device supports the Wireless LAN Security Specifications WPA (Wi-Fi Protected Access) for Wi-Fi. To connect to a WPA wireless network, you have to configure the settings according to the network connection environment. For detailed setting information, ask your network administrator.

■ Radio Specifications

The wireless network interface is designed for the 2.4GHz frequency in the unlicensed ISM band.

RF Band	2.4GHz
Supported Channels	Channels allowed per country.
Device	Transceiver
Standard Output Power	MAX 10 mW
Modulation Scheme	11b mode : DSSS, CCK
	11g mode : OFDM
Data Rate (Mbps)*	11b mode : 11, 5.5, 2, 1
	11g mode** : 54, 48, 36, 24, 18, 12, 9, 6
Antenna Type	Built-in Antenna

* The data rate may differ from the real data transmission rate.

**11g mode is only supported when the device is connected to an IEEE 802.11g device. (e.g. Access Point supporting IEEE 802.11g)

Registered Trademarks

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This product incorporates copyright protection technology that is protected by method claims of certain U.S. patents and other intellectual property rights owned by Macrovision Corporation and other rights owners. Use of this copyright protection technology must be authorized by Macrovision Corporation, and is intended for home and other limited viewing uses only unless otherwise authorized by Macrovision Corporation. Reverse engineering or disassembly is prohibited.

About the Product Capacity Representation Standard

The capacity of the storage device (HDD, SSD) of the manufacturer is calculated assuming that 1KB=1,000 Bytes.

However, the operating system (Windows) calculates the storage device capacity assuming that 1KB=1,024 Bytes, and therefore the capacity representation of the HDD in Windows is smaller than the actual capacity due to the difference in capacity calculation. (E.g. For a 80GB HDD, Windows represents the capacity as 74.5GB)

In addition, the capacity representation in Windows may be even smaller because some programs such as Recovery Solution may reside in a hidden area of the HDD.

Glossary

The Glossary lists the terminologies used in this User Guide. For terminologies other than these, look in Windows Help.

Backup

A way to save the current data to restore it later if necessary. A backup is a way to restore computer data when the data or computer is damaged.

Client

This refers to a computer that uses a shared network resource provided by a server.

DDR SDRAM (Double Data Rate Synchronous Dynamic Random Access Memory)

DRAM is a memory type whose cells consist of a capacitor and transistor manufactured at a low price. SDRAM is a memory type whose performance has been improved by synchronizing the clock with the external CPU clock. DDR SDRAM is a memory type whose performance has been improved by doubling the operating speed of the SDRAM and is widely used nowadays. This computer uses DDR SDRAM.

Device Manager

An administrative tool used to manage computer devices. You can add or remove hardware or update a device driver using the Device Manager.

Direct X

An application interface developed to enable Windows application programs to access hardware devices at a very high speed. Since the operating speed of graphics, memory and sound cards must be very fast to provide high quality video and sound for games, Direct X enables faster control and interaction between applications and hardware devices. By using Direct X, the multimedia performance of Windows has been hugely improved.

Driver

Software that interacts between the hardware and the operating system. An operating system knows the hardware information and controls the hardware. In general, a driver is supplied with the corresponding hardware device.

DVD (Digital Versatile Disk)

DVD was developed to replace CD (compact disk). Although the shape and size of the disc are the same as that of a CD, the capacity of a DVD is at least 4.7GB while the capacity of a CD is 600MB. DVD video is digital unlike VHS (analog) video and supports MPEG2 compression and digital audio. To play a DVD, a DVD drive is required.

Firewall

A security system used to protect an internal network or intranet from external networks through an authentication procedure.

Hibernation Mode

A power mode that saves all data in memory to the hard disk and turns the CPU and hard disk off. When canceling Hibernation Mode, all application programs that were running are restored to their last state.

Icon

This refers to a small image that represents a file that users can use.

LAN (Local Area Network)

A communications network connecting computers, printers and other devices within a local area such as within a building. A LAN enables all connected devices to interact with other devices on the network. The current LAN uses the Ethernet media access control method developed in the early 1980s. To connect to an Ethernet, a network card called a LAN card, Ethernet card or network interface card is required. To exchange data between computers, a protocol is required besides the hardware equipment. Windows Vista uses TCP/IP as the default protocol.

LCD (Liquid Crystal Display)

There are Passive Matrix and Active Matrix LCD types. This computer uses the Active Matrix type LCD called a TFT LCD. Since an LCD is implemented by transistors instead of a cathode-ray tube unlike a CRT, its size can be slim. And because it does not blink, it reduces eye strain.

Network

A group of computers and devices, such as printers and scanners, connected by a communications link. A network can be either small or large and can be connected permanently through cables or temporarily through telephone lines or wireless links. The biggest network is the Internet, a worldwide network.

Network Administrator

A user who plans, configures and manages network operations. Sometimes, a network administrator is called a system administrator.

Notification Area

This refers to the right area of the Taskbar including program icons such as the volume control, the power options and the time.

Power Schemes

This refers to a pre-determined power management option group. For example, you can set the time the computer waits before entering Standby Mode, or before the monitor or hard drive turns off. The settings are saved as a power scheme.

Quick Launch

This refers to a toolbar that can be configured so that you can launch a program such as Internet Explorer or display the Windows Desktop with one click. You can add any icon to the quick launch area of the Taskbar and launch frequently used program by clicking that icon.

Server

In general, a server refers to a computer that provides shared resources for network users.

Share

This refers to setting a resource of a computer such as a folder or printer so that other users can also use it.

Shared Folder

A folder that can be used by other users on the network.

Sleep Mode

A power mode that enables computers to save power consumption when they are not being used. When a computer is in Sleep Mode, the data on the computer

memory is not saved to the hard disk. If the power is tuned off, the data in memory will be lost.

System File

System Files refer to files that are read and used by the Windows operating system. In general, system files must not be deleted or moved.

USB (Universal Serial Bus)

This refers to a serial interface standard developed to replace the conventional interface standards such as Serial and PS/2. While USB 1.1 supports 12Mbps (12 million bits per second), USB 2.0 supports a data rate that is 40 times (480Mbps) faster than that of USB 1.1. The data rate of USB 2.0 is equivalent to that of IEEE 1394. Therefore USB 2.0 is used for A/V devices supported by IEEE 1394 and a 2nd HDD and CDRW that require a high data rate.

Windows

The name of an operating system developed by the Microsoft Corporation. Windows Vista is installed on this computer.

Windows Media Player

A multimedia program included with Windows. Using this program, you can play a media file, create an audio CD, listen to a radio broadcast, search and manage media files, and copy files to a portable device, etc.

A

Adjusting the Volume	70
AVStation Now	138

B

Battery	159
Battery Calibration	164
BIOS	150
Bluetooth	108
Boot Priority	158
Button	56

C

Charge	160
Connecting AP / AP	101
Connections	Quick Started Guide
Connect / Output Monitor	66
Control Panel	85
CyberLink PowerDVD	120

D

Desktop / Change	76
------------------	----

E

Entering Text	50
---------------	----

H

Help	74
------	----

M

Multi Media	116
-------------	-----

N

Network	97
Network Status Diagnosis	107

P

Password	155
Playing Music	130
Play AVStation	124
Product Specifications	219
Program	115

R

Recorder	70
Remaining Battery Charge	160
Resolution / Color	89

S

Safety Precautions	8
Samsung Update Plus	122
SlideShow	135
Status Indicators	37
Stylus Pen	47

U

User Accounts / Switch User	87
-----------------------------	----

V

Video Play	127
Volume Control	70

W

Windows Vista	72
Wired Network	98
Wireless Network	101

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If you have any comments or questions regarding a Samsung products, contact the SAMSUNG customer care center.

Customer Care Center	TEL	Web Site
U.S.A.	1 800 SAMSUNG (7267864)	www.samsung.com
U.K.	0870-726-7864	www.samsung.com/uk
AUSTRALIA	1300 362 603	www.samsung.com/au
HONG KONG	2862 6001	www.samsung.com/hk
MALAYSIA	1800-88-9999	www.samsung.com/my
SINGAPORE	1800-SAMSUNG(7267864)	www.samsung.com/sg

[FRANCE] Comment contacter Samsung dans le monde

Si vous avez des suggestions ou des questions concernant les produits Samsung, veuillez contacter le Service Consommateurs Samsung.

Customer Care Center	TEL	Web Site
FRANCE	0825 08 3260	www.samsung.com/fr

[GERMANY] Kontakt zu Samsung

Falls Sie Fragen oder Anregungen zu Samsung-Produkten haben, wenden Sie sich bitte an den Samsung-Kundendienst.

Customer Care Center	TEL	Web Site
GERMANY	01805 121213	www.samsung.de
0,14 EUR/Min aus dem Festnetz der T-Com		

[SPAIN] Contacte con SAMSUNG WORLD WIDE

Si tiene alguna pregunta o comentario referente a nuestros productos, por favor contacte con nuestro Servicio de Atención al Cliente.

Customer Care Center	TEL	Web Site
SPAIN	902 10 11 30	www.samsung.com/es

[ITALY] Contatta SAMSUNG

Se hai commenti o richieste sui prodotti Samsung contatta il nostro Servizio Clienti.

Customer Care Center	TEL	Web Site
ITALY	199 153 153	www.samsung.com/it/

[RUSSIA / UKRAINE] Свяжитесь с SAMSUNG по всему миру

Если у вас есть предложения или вопросы по продуктам Samsung, связывайтесь с информационным центром Samsung.

Customer Care Center	TEL	Web Site
RUSSIA	8-800-200-0400	www.samsung.ru
UKRAINE	8-800-502-0000	www.samsung.com/ur

[CHINA] 三星全球服务网

如果您对三星产品有任何咨询或建议，请联系三星客服中心

Customer Care Center	TEL	Web Site
CHINA	800-810-5858 / (010) 64751880	www.samsung.com.cn

[THILAND] ติดต่อชมขงเว็บไซด์

ติดต่อชมขงเว็บไซด์ หากมีคำแนะนำหรือข้อสงสัยเกี่ยวกับผลิตภัณฑ์ชมขง ติดต่อสอบถามได้ที่ SAMSUNG customer care center

Customer Care Center	TEL	Web Site
THAILAND	1800-29-3232 / 02-689-3232	www.samsung.com/th