Using Samsung Update Plus

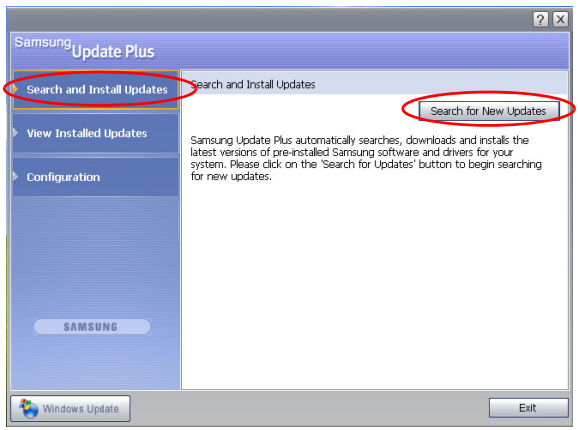
Samsung Update Plus is software that examines and updates Samsung software and drivers installed on your Samsung computer to the latest version. To use Samsung Update Plus, your computer has to be connected to the Internet.

To Update Samsung Software and Drivers

1. Select **Start** > **All Programs** > **Samsung** > **Samsung Update Plus** > **Samsung Update Plus**.

If this is the first time you are running the program, a window will appear asking you if you agree to the agreement in the window.
Click Agree to use this software.

2. Click **Search for and Install Updates** and click the **Search for New Updates** button.



3. If there are available software or driver updates for your computer, the available updates will be listed. Select the required updates from the list and click **Install Update** to start the update.

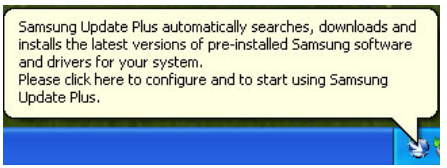
   (The update list on the screen may differ depending on the computer model.)

Updates that must be installed separately.

If you select **Install** as an update item that must be installed separately, a message appears informing you of this. Follow the instruction message to correctly install it.

Automatic update items display

By default, your computer is configured to automatically search for updates. If there is a new update available, this is notified in the notification area. Click the balloon help icon in the notification area. Here you will be able to find the latest available updates.



To change the automatic update settings, click the **Configuration** button in Figure 2 and change the settings.

Samsung Update Plus does not provide updates for additionally installed software and device drivers.

Using AVStation premium

AVStation premium is an integrated multimedia program that enables users to enjoy music, photographs, video, movies, etc. all with a single program.

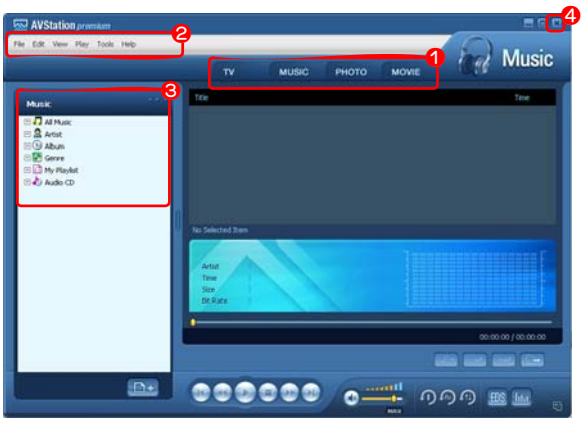
Before You Start!

- AVStation premium is optional and may not be provided depending on the model.
- The screens used in this manual may differ from actual screens according to the program version.
- **TV Station is only available for systems supporting the TV function.**
- For detailed usage, refer to the program help.

Start and Screen Layout

To launch the program, select **Start** > **All Programs** > **Samsung** > **AVStation premium** > **AVStation premium**.

Alternatively double-click the AVStation premium icon ( ) on the Desktop.



❶ **Station Bar**
❷ **Menu Bar**
❸ **Library**
❹ **Exit**
Press the Exit button to exit the program.

MUSIC

You can play a music file or an audio CD.

PHOTO

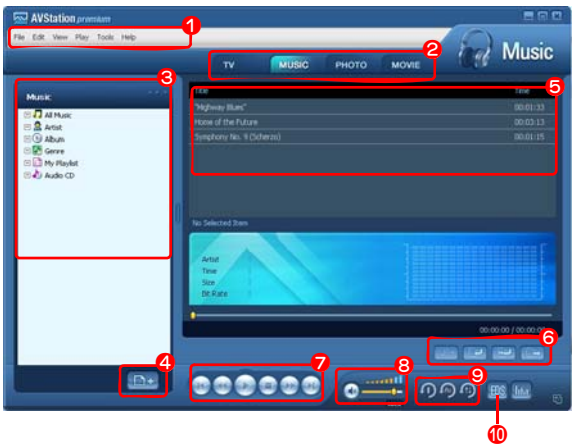
You can view or edit a photograph (image), and also view the photographs through a SlideShow.

MOVIE

You can play a video (movie) file or a DVD/VCD title.

MUSIC Station

Launch AVStation premium and click **MUSIC** on the Station Bar.



❶ MUSIC Menu Bar
❷ Station Bar
❸ MUSIC Library
❹ Register a File
❺ Playlist
❻ Playlist Control Buttons
❼ Play Control Buttons
❽ Volume Control
❾ Play Options
❿ EDS Setting Button

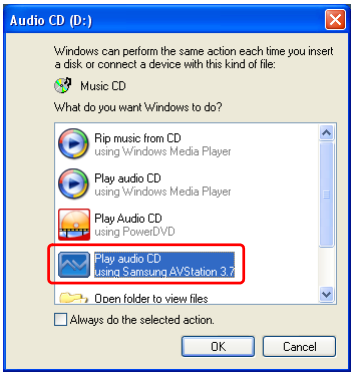
What is EDS (Enhanced Digital Sound)?

EDS (Enhanced Digital Sound) is a sound quality enhancement technology developed by Samsung Electronics. You can listen to clearer sound if you enable the EDS function when playing music or video on AVStation premium.

Playing an Audio CD

The procedures to play an audio CD are described below.

1. Launch AVStation premium and insert an audio CD into the CD drive.
2. In the **Audio CD** window, select **Play Audio CD using Samsung AVStation** and click the **OK** button.



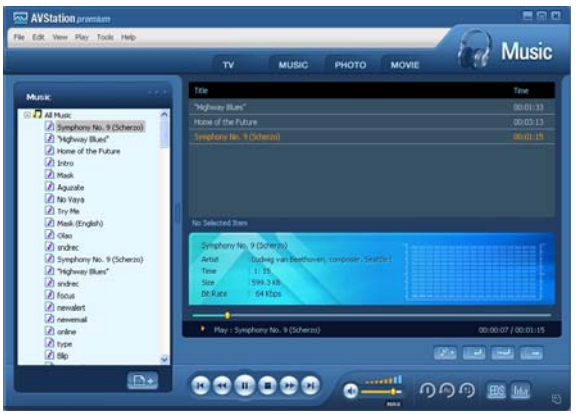
3. The tracks on the audio CD are displayed in the Playlist and the first track is automatically played.

If an audio CD is already in the CD drive, double-click the **album title** in the **Audio CD** folder of the Library and add the tracks to the Playlist. The tracks added to the Playlist are played.

Playing a Music File

If a music file is registered to the MUSIC Library, you can easily play the music file. For the procedures to register tracks to the Library, refer to (p43).

1. Move to MUSIC Station and double-click on All Music.
2. Double-click a music file. The file is added to the playlist and played.



Play a Track not registered to the Library

Click File > Open, select a music file to be played and click Open. The selected track is registered to the Library and played.

Creating My Playlist

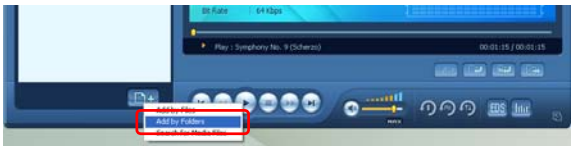
My Playlist is a personal album with which you can collect, manage and play your favorite music files. For the procedures to create My Playlist, refer to the descriptions of MUSIC Station in Help.

Adding Music Files to the Library

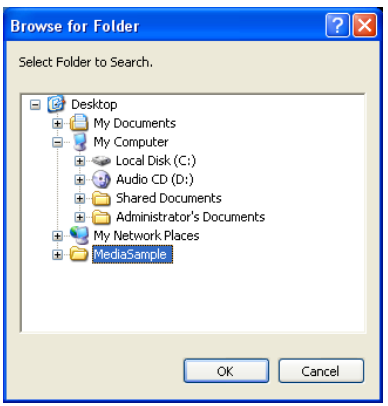
MUSIC Library is a library holding music files used by MUSIC Station. The procedures to add music files saved on the computer to the Library are described below.

You can add files, folders or search and add files. As an example, the procedures to add a folder are described below.

1. Click on the **Register a File** ( ) button below the Library and click on **Add by Folders**.



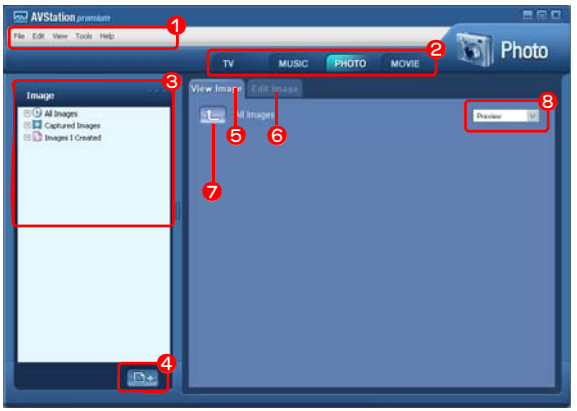
2. Select a folder which included music files and click the OK button. The music files in the folder are added to the Library.



The tracks used in AVStation are automatically added to the Library.

PHOTO Station

Launch AVStation premium and click PHOTO on the Station Bar.



❶ PHOTO Menu Bar
❷ Station Bar
❸ PHOTO Library
❹ Register a File
❺ Image Viewer Tab
❻ Image Editor Tab
❼ Move to a Higher-Level Folder
❽ Preview/Zoom-in

Viewing an Image

The procedures to view images registered to the PHOTO Library one by one and through a SlideShow are described below.

For the procedures to register image files to the Library, refer to (p47).

1. Move to **PHOTO Station** and double-click on **All Images**.
2. Click on a folder which includes images, and the images in the folder are displayed in the Image Viewer window.

3. Double-click on an image. The selected image is zoomed in on.

- Viewing an Image not registered to the Library

  Click **File** > **Open**, select an image file to view and click **Open**.

  The selected image file is registered to the Library and displayed in the Image Viewer window.

- Viewing an Image in Full Screen or through a SlideShow.

  Click the **Full Screen** ( ) button or **SlideShow** ( ) button below the Image Viewer window.

  Run Full Screen View and you can rotate the picture using the direction keys.

  To return to the Image Viewer window, press the **<Esc>** key or double-click on the screen.

- Watching a SlideShow while Listening to Music

  To watch a SlideShow while listening to music, play music from MUSIC Station and run SlideShow.

- Setting an Image as the Background.

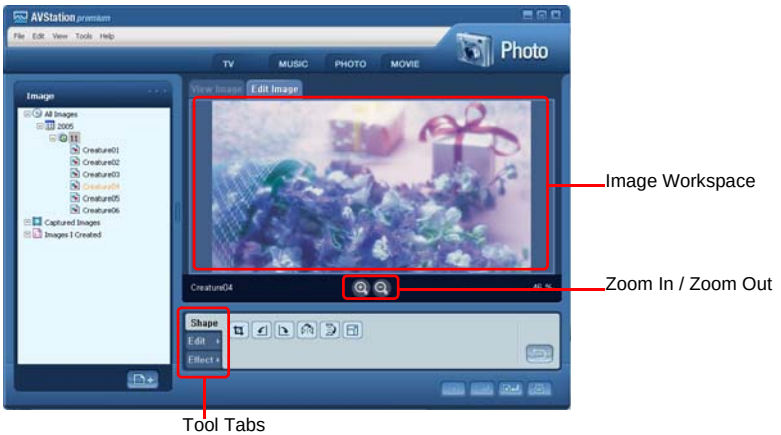
  Click the **Set as Background** ( ) button below the Image Viewer window. The selected image is set as the Desktop background.

Editing an Image

You can change the shape of an image, edit an image or apply special effects to an image. The image editor functions are described below.

1. Select an image to edit in **the Image Viewer window**, and select the **Image Editor** tab. The Image Editor screen appears.

   The Image Editor screen consists of an **Image Workspace window** and **3 Tool tabs**.



2. Edit the image using the Shape, Edit and Effect tools.

Shape tool: Change the shape of an image through cut, resize.

Edit tool: Draw a line, add some clip art or enter letters.

Effect tool: Apply various effects to an image.

3. When finishing editing an image, click the **Save Edited Image** ( ) button below the Image Editor window. The edited image is saved.

Adding Images to the Library

The PHOTO Library is a library holding image files to be used by PHOTO Station. The procedures to add image files saved on the computer to the Library are described below.

You can add files, add folders or search and add files. As an example, the procedures to add folders are described below.

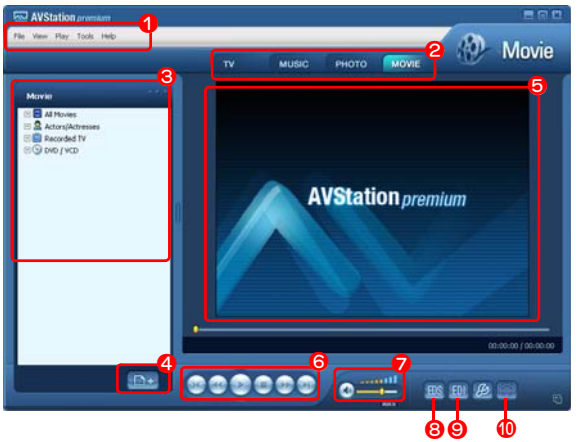
1. Click the **Register a File** ( ) button below the Library and click on **Add by Folders**.

2. Select a folder which includes image files and click the **OK** button. The image files in the folder are added to the Library.

The image files used in AVStation are automatically added to the Library.

MOVIE Station

Launch AVStation premium and click on **MOVIE** on the Station Bar.



❶ MOVIE Menu Bar
❷ Station Bar
❸ MOVIE Library
❹ Register a File
❺ Video Play window
❻ Play Control Buttons
❼ Volume Control
❽ EDS Setting Button (p40)
❾ EDI Setting Button
❿ Capture Button

What is EDI (Enhanced Digital Image)?

EDI (Enhanced Digital Image) is a visual quality enhancement technology developed by Samsung Electronics. You can view a clearer and sharper picture by enabling the EDI function when watching TV or playing a video on AVStation premium.

However, some TV tuners and graphics cards are not supported by EDI.

For information on EDS (Enhanced Digital Sound), refer to p40.

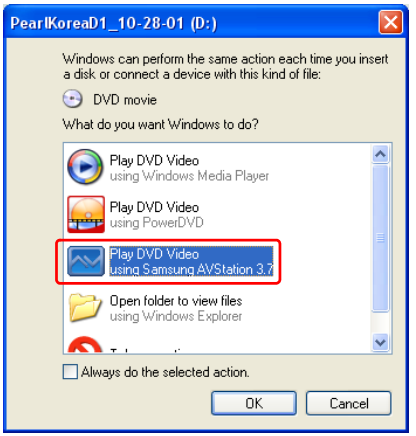
Playing a DVD

The procedures to play a DVD title are described below.

To play a DVD title, DVD playing software (e.g. CyberLink PowerDVD) must be installed. Install the DVD playing software first.

1. Launch AVStation premium and insert a DVD title into the DVD drive.

2. In the **'What do you want Windows to do?' window**, select **Play DVD Video using Samsung AVStation** and click the **OK** button.



3. The DVD title is played.

If a DVD title is already in the DVD drive, double-click the **DVD title** in the **DVD / VCD** folder of the Library. The DVD title is played.

Playing a Movie(Video) File

The procedures to play a video file registered to the MOVIE Library are described below. For the procedures to register files to the Library, refer to p51.

1. Move to MOVIE Station and double-click **All Movies**.
2. Double-click a video file. The file is played.

- Playing a Video File not Registered to the Library

  Click **File > Open**, select a video file to be played and click **Open**. The selected file is registered to the Library and played.

- **Playing a Video File in Full Screen**

  1) Double-click on the current playback screen.

  2) The video is played in full screen. In full screen, move the mouse pointer to the bottom of the screen to show the Play Control bar.

  To play at the default screen size, press the **<Esc>** key or double-click on the screen.

- **Capturing the Video Screen**

  Click on **Capture Current Screen** ( ) below the Play window when the desired image appears on the screen and click the **OK** button.

  Captured images are saved in the **C:\Program Files\Samsung\AVStation Premium 3.75\Data\Captured Images** folder.

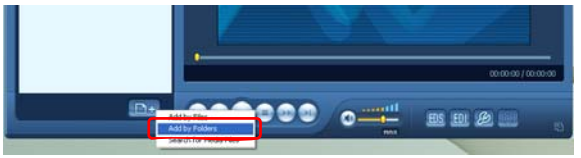
  In addition, you can view captured images in the **PHOTO Station > Captured Images** folder.

Adding Videos to the Library

The MOVIE Library is a library holding video files to be used by MOVIE Station. The procedures to add video files saved on the computer to the Library are described below.

You can add files, add folders or search and add files. As an example, the procedures to add folders are described below.

1. Click the **Register a File** ( ) button below the Library and click **Add by Folders**.



2. Select a folder which includes video files and click the **OK** button. The video files in the folder are added to the Library.

The video files used in AVStation are automatically added to the Library.

AVStation Viewer

This is a multimedia program that can play music, photos, video, movies, etc. in full screen.

Before You Start!

- The AVStation Viewer program is optional and may not be provided depending on the computer model.

- **AVStation Viewer Restrictions**

Using AVStation Viewer, you can only play files registered to the AVStation premium Library. (For the procedures to register files to the Library, refer to p43, p47 and p51.)

- The screen figures may differ from actual ones depending on the program version.

- **TV Station is only available for systems supporting the TV function.**

Start / Exit AVStation Viewer

Starting

Select **Start** > **All Programs** > **Samsung** > **AVStation premium** > **AVStation Viewer** from Windows.

Exiting

Move the mouse pointer to the top of the screen and click the Exit ( ) button.

Screen Layout

MUSIC

You can play a music file or audio CD.

PHOTO

You can view a photograph or image file one by one or in a SlideShow.

MOVIE

You can play a video, DVD or VCD title.

Settings

You can set the Music, Photo and Movie settings.

To move to the start screen while using the program, Press the <Esc> key.
Or, move the mouse pointer to the top left in the current screen and click the **AVStation** icon ( ).

MUSIC Station

The procedures to play a music file or an audio CD are described below.

Playing a Music File

The procedures to play a music file registered to the MUSIC Library are described below. (For the procedures to register files, refer to p43.)

1. Launch AVStation Viewer and click on Music.
2. Click on All Music and double-click a file in the right pane.

   The music file is played.

❶ All Music
❷ Playlist Window
❸ Music File

Playing an Audio CD

1. Launch AVStation Viewer and insert an audio CD into the CD drive.
2. In the AVStation Viewer start screen, click on **Music**.
3. Double-click the **Audio CD** in the left pane and double-click on an album or music file in the right pane. The selected music file is played.

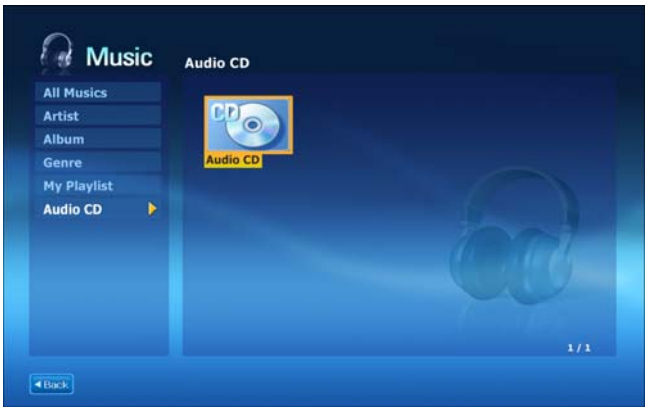


PHOTO Station

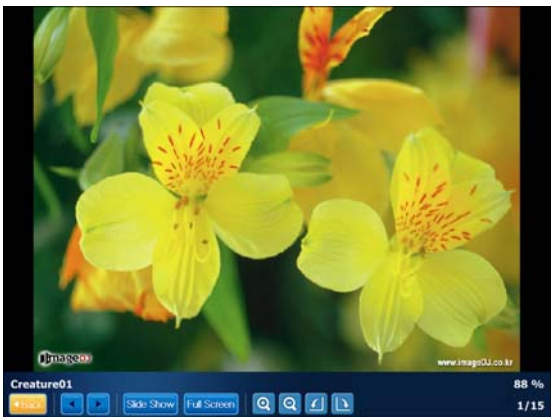
The procedures to view images registered to the PHOTO Library one by one and through a SlideShow are described below.

(For the procedures to register image files to the Library, refer to p47.)

1. Launch AVStation Viewer and click on Photo.
2. Click on **All Images** and double-click on an image file in the right pane.

❶ All Images
❷ Image File

3. The selected image is zoomed in on.



To view an image in Full Sreen or through a SlideShow.

Click on the **SlideShow** or **Full Screen** button below the zoomed in image.

To return to the previous status in SlideShow or Full Screen, press the **<Esc>** key or double-click on the screen.

In AVStation Viewer, press the <**Esc**> key or double-click and click **Back**.

MOVIE Station

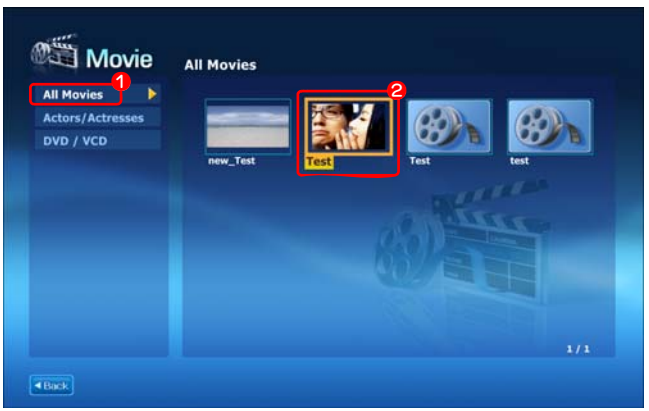
The procedures to play a video (movie) file or DVD/VCD title are described below.

Playing a Movie File

The procedures to play a video file registered to the MOVIE Library are described below. (Refer to p51.)

1. Launch AVStation Viewer and click the **Movie**.
2. Click on All Movies and double-click a movie file in the right pane.

   The movie file is played.



❶ **All movies**
❷ **movie File**

Showing the Play Control window

Press the space bar or move the mouse pointer. The Play Control window appears at the bottom.

Playing a DVD

1. Launch AVStation Viewer and insert a DVD title into the DVD drive.
2. In the AVStation Viewer start screen, click on **Movie**.
3. Click on **DVD/VCD** and double-click on the DVD title. The DVD title is played.

Connecting to the Internet

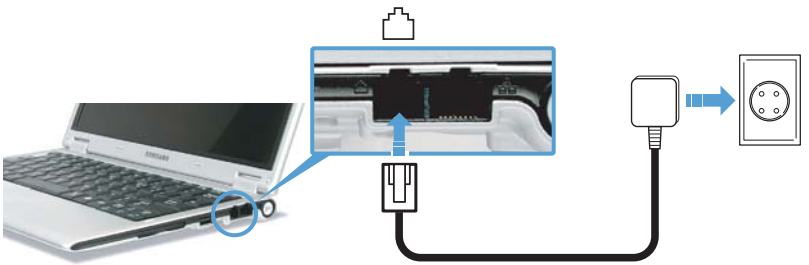
Connecting with a Modem

Before You Start:

- Use a standard non-digital phone line to connect.
- Contact an internet service provider (ISP) for instructions on how to connect to and disconnect from the Internet.

1. Connect a telephone line to the computer's modem port.

(The phone jack and the wall phone socket shown in the picture below may vary from country to country.)

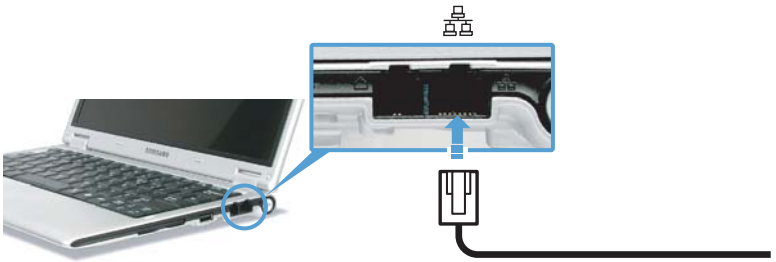


2. Connect to the Internet according to the instructions provided by your ISP.

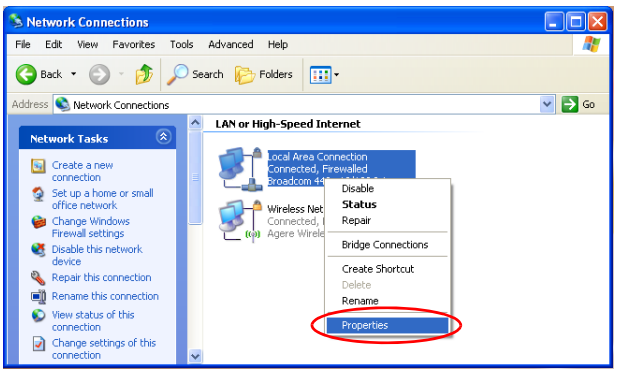
If the Internet connection is not disconnected properly, additional telephone charges may be imposed.

Connecting Through a Wired LAN

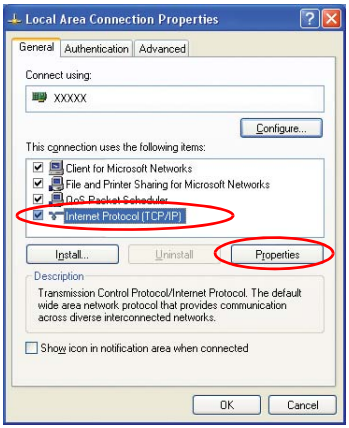
1. Connect a LAN cable to the computer's LAN port.



2. Click **Start** > **Control Panel**.
3. Click **Network and Internet Connections** in the [Control Panel] window.
4. Click **Network Connections** in the [Network and Internet Connections] window.
5. Right-click the **Local Area Connection** icon and click **Properties**.



6. On the **General** tab, select “Internet Protocol(TCP/IP)” and click **Properties**.



7. **To use DHCP:**

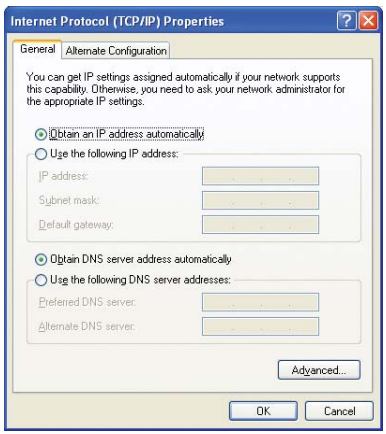
   On the **General** tab, select “Obtain an IP address automatically” and “Obtain DNS server address automatically”. Click **OK**.

   To use a static IP:

   On the **General** tab, select “Use the following IP address” and fill in the IP address, Subnet mask, Default gateway, Preferred DNS server, and Alternative DNS server fields. Click **OK**.

   To use both DHCP and static IP simultaneously:

   On the **Alternate Configuration** tab, click **User configured** and fill in the fields. Click **OK**.



Connecting Through a Wireless LAN (Optional)

A wireless network (Wireless LAN) environment is a network environment that enables communication between multiple computers at home or a small-size office through wireless LAN devices.

Using the wireless network connections between the systems, you can use normal network functions such as sharing of files, folders and printers. When a computer-to computer network has been established, a computer that is not connected to the Internet can share the Internet by accessing another computer connected to the Internet. For details, see “Sharing Internet Access” on page 74.

The description in this section refers to the Intel(R) PRO/Wireless 3945ABG Network Connection (hereafter referred to as an 802.11ABG card) device.

A wireless LAN card is optional. The model of the wireless LAN card is determined by the relevant product.

To view the installed wireless LAN card, click Start > Control Panel > Performance and Maintenance > System > Hardware tab > Device Manager.

The wireless LAN connection settings will be described on the basis of the Windows XP Service Pack 2 installed computer.

It is recommended using the default settings provided by Windows XP for the wireless LAN settings for Windows XP installed computers.

To setup using the software supplied by the wireless LAN card manufacturer, refer to "Wireless Network Setup Using the Wireless LAN Setup Program" (p68).

To use a wireless LAN, press the **<Fn>** and **<F8>** key combination simultaneously to enable a wireless LAN. When the wireless LAN is enabled, the Wireless LAN Operation LED ( ) lights up.

Wireless network connections can be classified into two categories.

1) Access Point (AP)

You can connect to an AP to use the network. This is possible only in an environment equipped with an AP. For details, see “Connecting to an Access Point (AP)” on page 63.

What is an Access Point (AP)?
An AP is a network device that bridges wired and wireless LANs, and corresponds to a wireless hub in a wired network. You can connect multiple wireless LAN installed computers to an AP.

2) Computer-to-computer (ad hoc)

This is also called a peer-to-peer network.

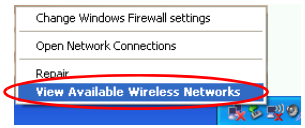
In computer-to-computer wireless networks, you can wirelessly connect 2 or more computers that have wireless LAN modules. For details, see “Connecting to computer-to-computer networks (peer-to-peer or ad hoc)” on page 65.

Connecting to an Access Point (AP)

This section describes how to connect to an AP. You can use the network when you are connected to an AP.

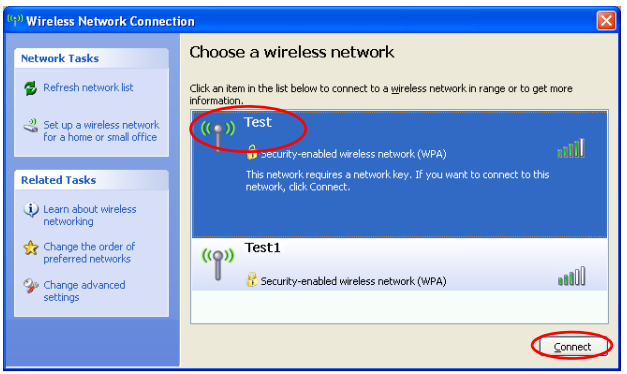
For more detailed information such as the network key (encryption key), ask your network administrator.

1. Right-click on the **Wireless Network Connection** ( ) icon on the taskbar, and select **View Available Wireless Networks**.



2. Select an AP (E.g. Test) to connect to and click **Connect**.

   If there is a configured network key for the AP to connect to, the Enter Network Key window appears. Enter the **Network Key** in the window and then click the **Connect** button.



When a network key is not defined for a selected AP, click on Link to display the warning message box. Then click Connect again in the box.

Now when **Connected** in AP is displayed, and you can access the network.

Checking the connection status

Move the mouse pointer over the Wireless Network Connection ( ) icon on the taskbar, and the connection status is displayed.

Connecting to computer-to-computer networks (peer-to-peer or ad hoc)

In computer-to-computer wireless networks, you can wirelessly connect 2 or more computers that have wireless LAN modules. Using this method, a computer that is not connected to the Internet can share the Internet by accessing another computer connected to the Internet. (Refer to "Sharing Internet Access" on page 74.)

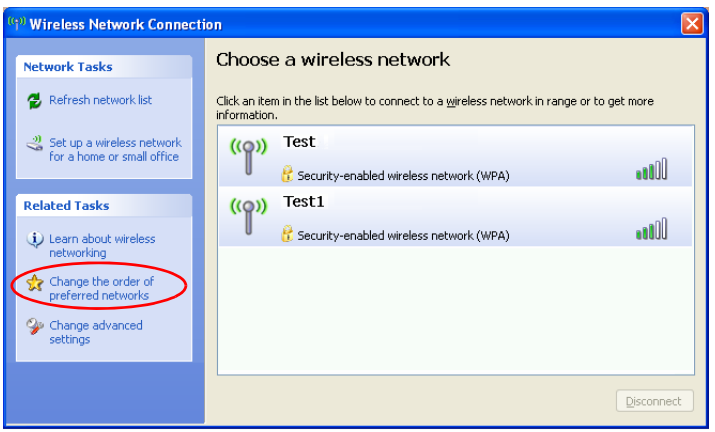
You can connect by completing the following steps:

- Step 1. Set up a computer-to-computer network on a computer.
- Step 2. Connect to the configured computer from other computers.

Step 1. Setting up a computer-to-computer network

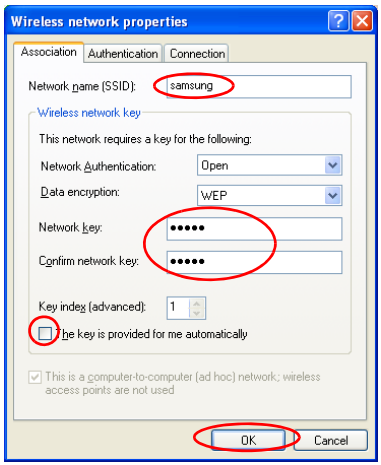
1. Right-click on the **Wireless Network Connection** ( ) icon on the taskbar, and select **View Available Wireless Networks**.

2. Click **Change the order of Preferred Networks**.



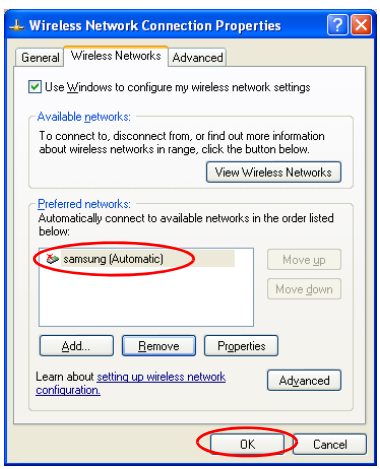
3. On the **Wireless Network** tab, click **Advanced**.
4. Clear 'Automatically connect to non-default network' check box, if it is selected. Select 'Computer-to-computer (ad hoc) networks only', and click **Close**.
5. In the **Wireless Networks** tab, click **Add**.

6. Enter the network name (e.g. samsung), and unselect 'The key is provided for me automatically'. Enter the encryption key in the Network key field, and click **OK**.



To prevent a network connection from an unauthorized user, it would be better to configure a network key (encryption key). A network key consists of 5 ~ 13 alphanumeric characters (e.g. magic), or of 10 ~ 26 hexadecimal numbers (a hexadecimal number is represented by numbers '0' to '9' or letters 'a' to 'f').

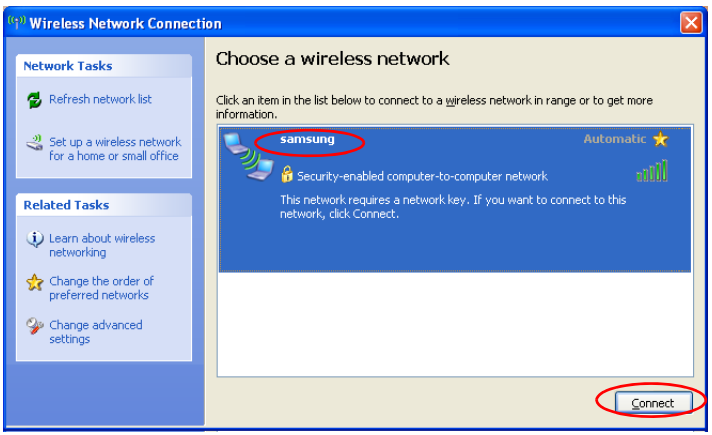
7. Check that the configured network name (e.g. samsung) is in the ’Preferred networks’ item, and click **OK**.



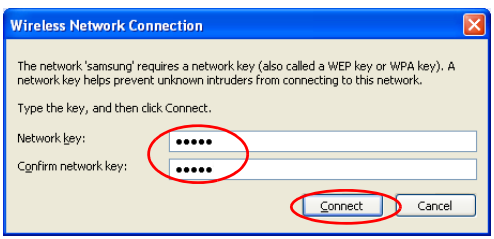
Now your wireless network setup has been completed.

Step 2. Connecting to the configured computer

1. Right-click on the **Wireless Network Connection** ( ) icon on the taskbar, and select **View Available Wireless Networks**.
2. Select the wireless network name (e.g. samsung) specified in ”Connecting to computer-to-computer networks (peer-to-peer or ad hoc)” on page 65, and click **Connect**.



3. Enter a cryptographic key in the network key box and click **Connect**.



If the network key is not configured in ”Connecting to computer-to-computer networks (peer-to-peer or ad hoc)” on page 65, just click **Connect**, without any keystrokes.

When connected to the wireless network, the system displays **Connected** in the selected network of the Network Connection window.

Checking the connection status
Move the mouse pointer over the Wireless Network Connection ( ) icon on the taskbar, and the connection status is displayed.

Wireless Network Setup Using the Wireless LAN Setup Program

The procedures to connect to an access point using a wireless LAN configuration program are described. Since the wireless LAN configuration program is included in the **system software media**, the user has to install the program.

Before You Start!
To use the system software media, the external ODD must be connected to the computer. The following descriptions presuppose that the external ODD is connected.

1. Insert the **system software media** into the CD drive and install the wireless LAN configuration program (PROSet).

   Select **System Software Media** > **User Installation** > **Wireless LAN Driver ReadMe**, click **ReadMe** and install according to the instructions.
2. Double-click on the wireless LAN program ( ) icon on the taskbar.

   Alternatively, click **Start** > **All Programs** > **Intel PROSet Wireless** > **Intel PROSet Wireless**.
3. In Available Networks, click on **Refresh**.
4. Select the name of an access point to connect to from the available network list and click on Connect.

   If a network does not appear, click on **Refresh**.
5. Enter a WEP key and click the **OK** button.

The Wireless Security Settings window may differ depending on the security settings of the AP.

Click the **Advanced** button to set up network authentication, data encryption, etc. For more security setting information, ask your wireless network administrator.

Refer to setting up the advanced settings by clicking on the **Advanced** button.

- **Network authentication:** The network authentication options include an Open System and Shared Key. When selecting Open Systems, no authentication is applied (however, encryption is supported). When selecting Shared Key, a WEP key is used for authentication. The default setting is Open System.
- **Data encryption (WEP):** The IEEE 802.11 WEP (Wired Equivalent Privacy) standard defines two levels of encryption, a 64-bit key (this is sometimes represented by 40bits) and a 128-bit key.
- **Key index:** Select the current encryption key index used by the access point out of 1 to 4.
- **Using an encryption key:** Click **Use pass phrase** to activate, and enter 5 (for 64-bit) or 13 (for 128-bit) alphanumeric characters (represented by 0-9, a-z, or A-Z).

6. The Done window appears, click **OK**.

When a wireless connection to an access point is established, the connection icon ( ) appears in front of the name of the connected profile.

Using Samsung Network Manager

Samsung Network Manager is a program that has been developed to enable users to use the network easily.

Samsung Network Manager provides the following features.

- **You can easily set up the network and printer settings.**
- **You can immediately use the network without defining new network settings again after moving locations.**

  By setting the network settings (IP address, printer settings, etc.) for each location, you can immediately access the network without following network setting procedures each time regardless of your location.
- **You can easily share Internet Access.**

  You can share your Internet connection by setting up a computer with 2 LAN interfaces (wired and wireless, or 2 wired LAN) as the sharing server. Then, you can access the Internet on a sharing client by connecting to the sharing server.
- **You can diagnose the network status.**

  You can diagnose the network status when the network is not properly connected.

Using the Network

This section describes the procedures to connect to the Internet by setting up a network. The setting up procedures include the procedures to add a printer to the network.

The setting up procedures are different for wired and wireless LAN connections.

To use a wireless LAN, there should be a wireless LAN AP available nearby.

Setting Up a Network

1. To use a wired LAN, connect the LAN cable to the LAN port.

   To use a wireless LAN, press the **<Fn>** and **<F8>** key combination simultaneously to enable a wireless LAN.

   When the wireless LAN is turned on, the Wireless LAN Operation LED ( ) lights up.

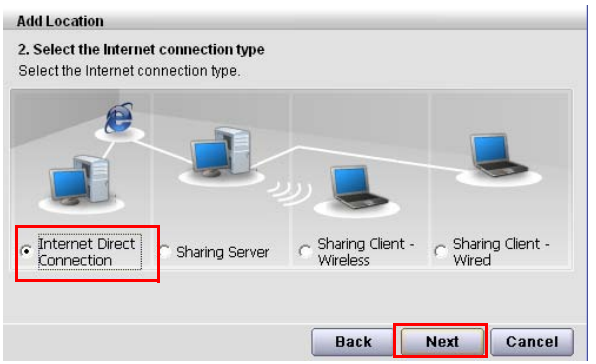
2. Run Samsung Network Manager.

   Select **Start** > **All Programs** > **Samsung** > **Samsung Network Manager** > **Samsung Network Manager** or double click the **Samsung Network Manager(** **)** icon on the Desktop.

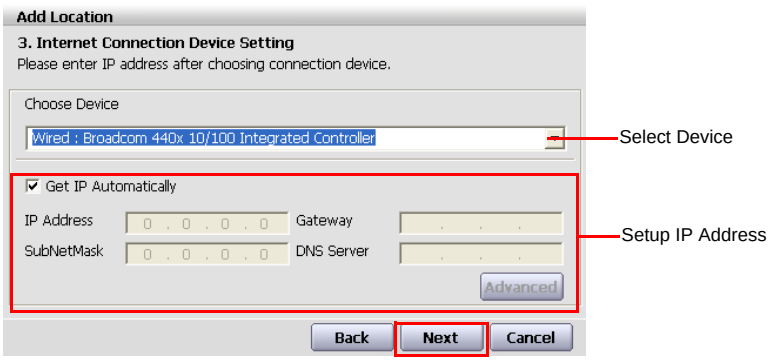
3. Click the Add button.

4. Select a network location icon and enter the name of the location (e.g. Home). Click the **Next** button.

5. Select **Internet direct connection** and click the **Next** button.



6. Select the LAN device, setup the IP address and click the **Next** button.



Select Device

Select a device to be connected to the Internet. Select either Wired LAN or Wireless LAN.

Setting up the IP Address

To allocate an IP address automatically (DHCP), select **Get IP Automatically.**

To use a static IP address, unselect **Get IP Automatically** and enter an IP address. For IP address information, ask your network administrator.

7. When the Printer Setting window appears, click **Finish**.

   To add a printer, click **Add Printer**. The Add Printer Wizard appears. Set up the printer according to the instructions displayed on the screen.

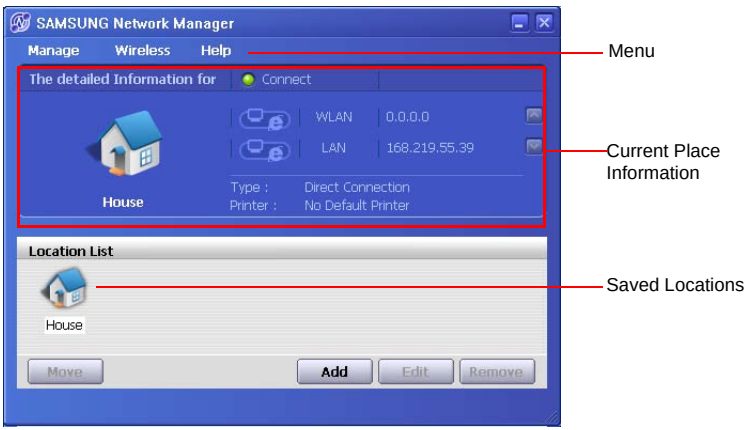
   When the printer has been added, click the **Show printer** button, select the newly added printer and then click the **Finish** button.

To not add a printer, select **No Default Printer** and then click the **Finish** button.

When the network setting is complete, the '**Do you want to move to newly added location now?**' message appears. If you select '**Yes**', the network settings for the added location are applied.

When the network settings for the added location are applied, the added place and the corresponding network connection information is displayed in **The detailed Information for window**.

When the network setting is complete, an icon for the added location is created within the Saved Locations window. Now you can use the Internet or add a new network location.



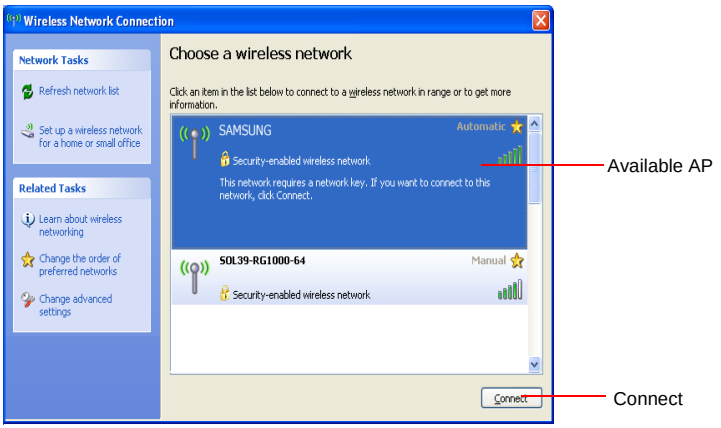
Wireless LAN AP Connection Procedures

To use a wireless LAN, first connect to a wireless LAN AP and then you can access the network even when moving location. Or moving location and then you can access the network even when connecting to a wireless LAN AP

1. Right-click over the **Wireless Network Connection** ( ) icon on the Taskbar and click **View Available Wireless Networks**.

2. Click **Search AP** from the **Wireless** menu to search for wireless LAN APs.

Select an available wireless network (e.g. SAMSUNG) and click the **Connect** button. For information on available wireless LAN APs, ask your network administrator.



3. The network key (security key) input window appears.

- If a network key has been set for the wireless LAN AP, enter the network key and click the **Connect** button. For the network key information, ask your network administrator.

- If no network key has been set for the wireless LAN AP, click the **Connect** button without entering the network key.

4. When the computer is connected to the wireless LAN AP, the **Connected** message will appear on the Wireless Network icon in the Taskbar.

Using the network after moving location

By setting the network settings (IP address, printer setting, etc.) for each location, you can immediately access the network without performing the network setting procedures regardless of your location.

1. Run **Samsung Network Manager** when connected to the Internet.

2. Select an icon that represents the corresponding location from the Saved Locations window and then click **Move**.
3. When the network settings of the selected location are applied, the new location and the network connection information are displayed in **The detailed Information for window**.

Sharing Internet Access

This section describes the procedures to share Internet Access.

To share Internet Access, you first have to set a sharing server and a sharing client. When the setup is complete, you can access the Internet from the sharing client by connecting to the sharing server.

Sharing Server : A computer with a direct connection to the internet and a local network connection.

Sharing Client : A computer that uses the Internet by connecting to a sharing server without itself having a direct connection to the Internet.

You can connect a sharing server and a sharing client as follows.(See Figure 5 on page (p71))

	Sharing Server		Sharing Client
	External Internet Device	Client Device	
Connection 1	Wired LAN	Wireless LAN	Connect a sharing client with the device that is the same as the client device of the sharing server.
Connection 2	Wireless LAN	Wired LAN	
Connection 3	Wired LAN	Wired LAN	

For Connection 3, you have to connect a LAN card in advance.

To connect a sharing server and a sharing client using a wired LAN, connect the computers with a crossover LAN cable or network hub first.

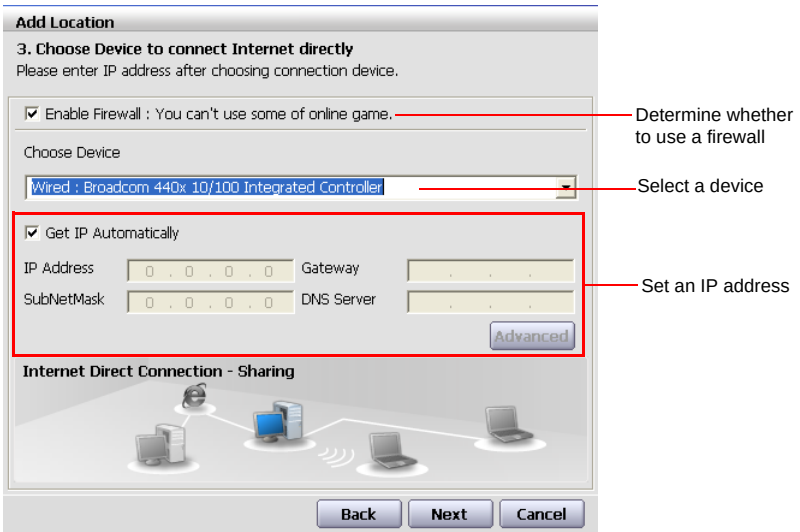
To use a wireless LAN, press the **<Fn>** and **<F8>** key combination simultaneously to enable a wireless LAN.

When the wireless LAN is turned on, the Wireless LAN Operation LED ( ) lights up.

As an example, Internet sharing procedures for **[Connection 1]**, which connect the sharing server and the Internet through a wired LAN and connect the sharing server and the sharing client through a wireless LAN, are described below.

Setting Up a Sharing Server

1. Run **Samsung Network Manager** on the computer to be used as the sharing server.
2. Click the **Add** button.
3. Select a network location icon and enter the name of the location (e.g. Home). Click the **Next** button.
4. Select **Internet direct Connection for sharing** and click the **Next** button.
5. Set up the network device to be connected to the external Internet. Determine whether to use a firewall and select a network device to be connected to the external Internet (e.g. Wired LAN). Set the IP address and then click the **Next** button.



- To protect against external intrusion attempts, using a firewall is recommended.
- For more information on selecting a device and setting the IP address, refer to the description of item 6 of "Setting Up a Network" (p71).

6. Select a network device to connect to the sharing client (e.g. wireless LAN) and click the **Next** button.

To Share Internet Access through a Wireless LAN

- In the Select Device field, select **Wireless**.

- In the **Wireless Connection Name** (e.g. Samsung) field, enter the network name.

- To use the network key (security key), select the "**Use Password ,,,**" option and enter a network key. Remember the network key because you have to re-enter the key on the sharing client to connect to the sharing server.

7. The setup information is displayed. Confirm the settings and click the **Next** button.
8. When the Printer Setting window appears, click **Finish**.

   For the printer setup procedures, refer to the description of item 7 of "Setting Up a Network" on page 71

   When the Shared Server setting is completed, set up the shared client.

Setting Up the Sharing Client

1. Run **Samsung Network Manager** on the computer to be used as a sharing client.
2. Click the **Add** button.
3. Select a network location icon and enter the name of the location. Click the **Next** button.
4. Select **Internet Sharing** and click the **Next** button.

- To connect through a wireless LAN, select **Internet Sharing - Wireless**.

- To connect through a wired LAN, select **Internet Sharing - Wired**.

5. Confirm the network device to be connected to the server and click the **Next** button.

- To connect through a wireless LAN, enter the **wireless connection name** (e.g. Samsung) you entered in the sharing server. If you have set a network key (security key) for the sharing server, enter the network key.

6. The setup information appears. Confirm the information and click the **Next** button.
7. When the Printer Setting window appears, click **Finish**.

   For the printer setup procedures, refer to the description of item 7 of "Setting Up a Network" on page 71.

   When the settings are completed, you can use the Internet on the shared client.

- To access the Internet from the sharing client, the sharing server has to be on.

- To use the Internet on the sharing client, select a sharing client icon from the **Location List** window and then click the **Move** button.

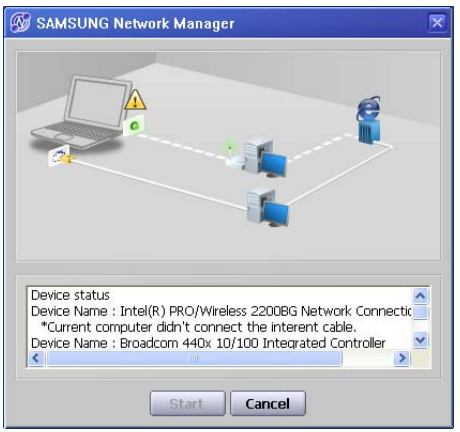
- If the connection is broken while using the Internet on the sharing client, click the **Ap Active** from the **Wireless** menu to reestablish the connection.

Network Status Diagnosis

You can diagnose the network status when the network is not properly connected.

1. Run **Samsung Network Manager**.
2. Select **Auto Diagnosis** from the **Manage** menu.
3. The Network Connections figure window appears. Click the **Start** button to start the network diagnosis.
4. When the diagnosis is complete, out of order devices are marked by the exclamation mark icon. For detailed device status, read the description in the lower part of the window.

   Reconnect and set up the device according to the diagnosis result.



Using Network Services

While the computer is connected to the network, you can use network services to share files, folders, and printers.

Network services are provided for the computers that are connected to the network through wired or wireless network connections. For details, see “Connecting Through a Wired LAN” on page 60 and see “Connecting Through a Wireless LAN (Optional)” on page 62.

Sharing files or folders

This section describes how to share files and folders between computers connected to the network.

To share files, complete the following procedures:

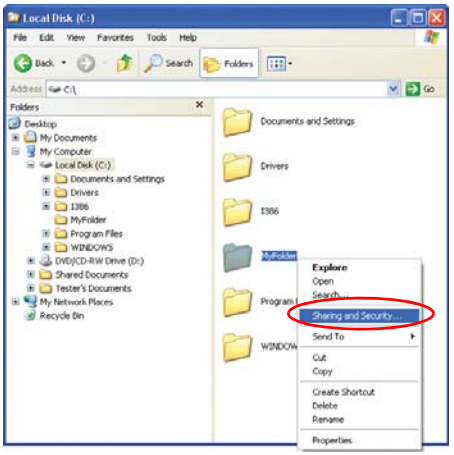
- Step 1. Configuring the sharing of files and folders on a computer.
- Step 2. Accessing shared files and folders from another computer.

When a file or folder is shared, anyone connected to the network can open and delete the shared file or folder.

Configure a file sharing network only when the network is secure, and do not share important data.

Step 1. Configuring Sharing

1. Right-click the target file or folder to share in My Computer, and select **Sharing and Security**.



2. Click 'IF you understand the security risks but want to share files without running the wizard, click here'.

It has the same security effect as that of the 'Network Setup Wizard'.

This screen does not appear if Internet Sharing Network Wizard has been installed in the computer-to-computer wireless network environment.

3. Select 'Just enable file sharing', and click **OK**.
4. In the 'Network sharing and security' field, select 'Share this folder on the network', enter the share name, and click **OK**.

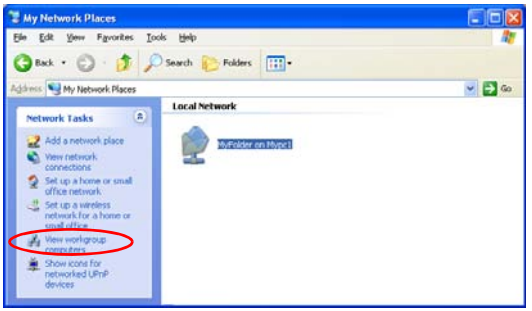
Be cautious when selecting 'Allow network users to change my files' since other network users can change the files in the shared folder.

The file and folder sharing configuration has been completed.

Step 2. Using Shared Files or Folders

This section describes how to access shared files or folders if your computer is a member of the same workgroup.

1. Double-Click **My Network Places** of desktop under Other Places.
2. Click '**View workgroup computers**', and click the desired computer to access the shared file.



If your computer is a member of another workgroup:

1. Click Other Places > Microsoft Windows Network.
2. Click the desired workgroup.
3. Click the desired computer to display the shared files or folders.

Sharing Printers

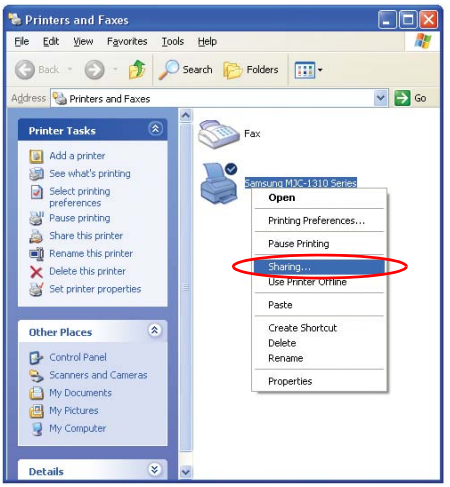
This section describes how to share a printer between computers connected to a network.

To share a printer, complete the following procedures:

- Step 1. Configure printer sharing in the computer connected to the printer.
- Step 2. Add and use the shared printer in other computers on the network.

Step 1. Configuring Printer Sharing

1. From the computer connected to the printer, click **Start** > **Printers and Faxes**.
2. Right-click the printer you want to share, and click **Sharing**.

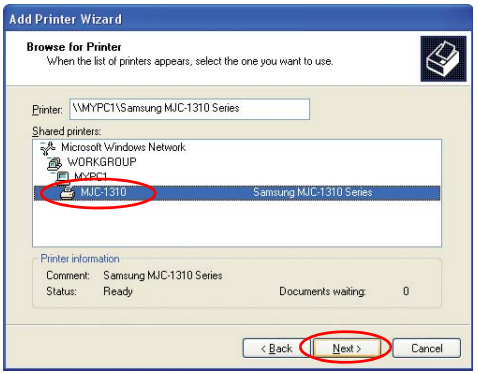


3. Select 'Share this printer', enter a share name for the shared printer, and click **OK**.
4. In the Printers and Faxes window, you will find the printer icon has been changed to another icon on a hand.

Step 2. Adding and Using a Shared Printer.

1. From a different computer that wants to use the shared printer, click **Start** > **Printers and Faxes**.
2. Click **Add a printer**.
3. In the Add Printer Wizard, click **Next**.
4. Select 'A network printer, or a printer attached to another computer', and click **Next**.
5. Select 'Browse for a printer', and click **Next**.

6. Select the workgroup or computer, select the desired printer, and click **Next**.



If you cannot find the desired printer, try again after a while.

7. Read the warning about a shared printer, and click **Yes** to install the shared printer.
8. Select **Yes** for 'Do you want to use this printer as a default printer?', and click **Next**.
9. Click **Finish**.
10. When the printer sharing configuration has been completed, the shared printer appears in the Printers and Faxes window.

Now you can print using the shared printer even if your computer is not directly connected to a printer.

Using Bluetooth Devices (Optional)

Bluetooth is a wireless communication technology that allows access to devices nearby such as a computer, mobile phone, printer, keyboard or mouse without a cable connection. Bluetooth enables file transmissions, Internet access, a private area network function, and access to a keyboard, mouse and printer between devices supporting the Bluetooth function without a cable connection.

The Bluetooth function is only available between devices supporting Bluetooth (computers, mobile phones, PDAs, printers, etc.), and the function may be restricted depending on the device profile.

The Bluetooth function is optional and may not be supported depending on your model.

Compatibility with a Bluetooth device not certified by a Bluetooth certification or logo is not guaranteed.

Bluetooth Functions

- **File Transmission ( )**

  You can exchange files between 2 Bluetooth devices. You can exchange files with other computers, mobile phones, PDAs, etc.

- **Network Access ( )**

  You can connect to another computer with the Bluetooth function as you access a wireless LAN in Ad-Hoc mode or connect to the Internet through an AP or Internet Connecting Sharing Server.

- **Network Access through a Phone Connection ( )**

  You can connect to the Internet through a Bluetooth mobile phone.

- **Data Sync (Synchronization) ( )**

  You can synchronize the PIMS data (Outlook E-mail address data) with mobile phones, PDAs, notebook computers, etc. supporting Bluetooth.

- **Electronic Business Card (Vcard) Exchange ( )**

  You can exchange electronic business cards with mobile phones, PDAs, notebook computers, etc. supporting Bluetooth.

- **Sound Output ( )**

  You can listen to audio from the computer through another Bluetooth device or listen to audio of another Bluetooth device through the computer.

- **HID Connections ( )**

  You can connect a keyboard, mouse, joystick, etc. supporting Bluetooth.

For more information about using the Bluetooth function, refer to the online help of the Bluetooth Device.

Bluetooth Software Setup

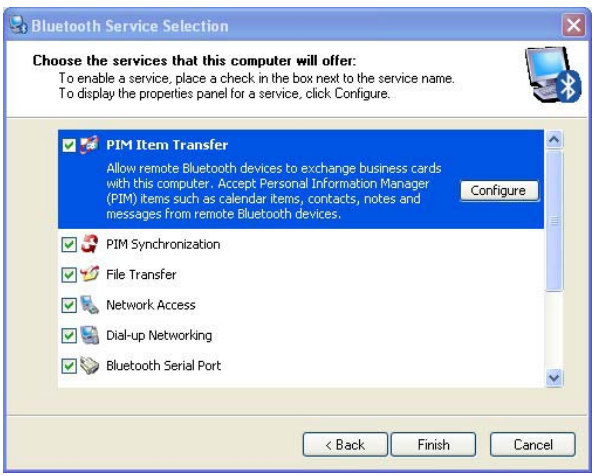
Bluetooth software is installed on computers supporting Bluetooth.

For first time use, set up the Bluetooth software as follows.

1. Double-click My Bluetooth Places icon( ) on the desktop.
2. Click the **Next** button to start setting up.

In the setting up steps, enter a device name to be displayed in the Bluetooth Manager program. Enter a **Name** in the Computer Name field and select **Laptop** for the Computer Type field.

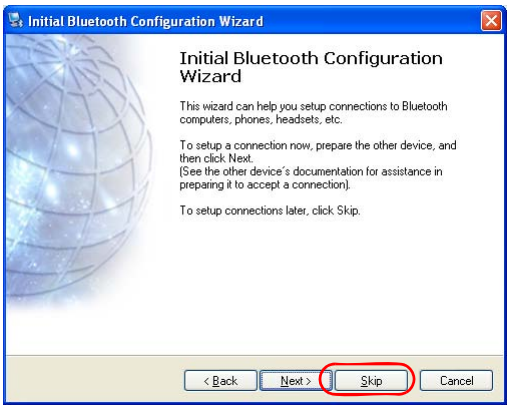
Also, a step appears for selecting the services to be provided by your Bluetooth device for other Bluetooth devices. At this point, the program automatically detects available services and displays them as selected. It is recommended not to change the default selection.



If you change the service settings, the driver necessary for the additionally selected services are installed.

At this point, a warning message may appear informing you that there is no Microsoft logo. Since it does not affect the operation, continue the installation.

3. If the driver installation is complete, the next step proceeds which searches for nearby Bluetooth devices. Since you do not have to search while setting up, click the **Skip** button and finish the settings.



4. When the settings are complete, the **Bluetooth** icon menu of the notification area changes as shown in the figure.

Using Bluetooth

Describes how to exchange files between computers supporting Bluetooth and how to use other Bluetooth devices.

Bluetooth Help

Bluetooth Help provides detailed procedures on using Bluetooth functions.

Double-click on **My Bluetooth Settings** on the **Desktop** and press the **<F1>** key (Help).

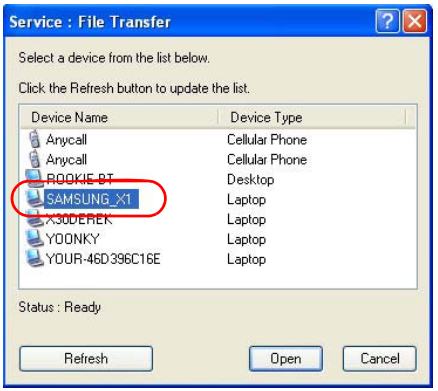
Select Start > Help and Support > Networking and the Web > Networking > Wireless networking > Bluetooth devices (wireless) to view Windows Help.

Exchanging Files between Bluetooth computers

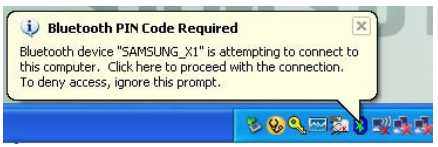
The procedures to exchange files and folders between Bluetooth computers are described below.

1. On the computer that is sending a file (hereafter Computer A), right-click the **Bluetooth** icon ( ) in the notification area and select **Quick Connection** > **File Transmission** > **Search for Device**.

2. In the Select Device window, click on a computer to be connected (hereafter Computer B).



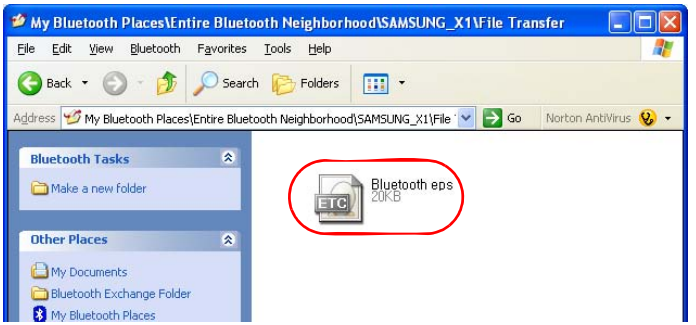
3. If the **Bluetooth PIN code requested** notification window appears on the bottom right taskbar, click on the window, enter the **Bluetooth PIN code** and click the **OK** button.



The **Bluetooth PIN Code** is a password used for the connection between two Bluetooth devices, the user just enter the same PIN Code (E.g. same numbers) on both Bluetooth devices to make a connection.

4. After a short while, the **Bluetooth PIN Code required** dialog box appears on Computer B, enter the code that you have entered in Step 3 above.

5. If the FTP File Access Privilege Request window appears on Computer B, click on the window. If the Select Access Permission window appears, click the **OK** button.
6. The file transmission window appears on computer A. Drag files or folders to send onto the window, and the files or folders are automatically transmitted.



7. If the file transmission is complete, close the File Transmission window.

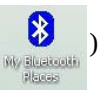
   The received files are saved in the C:\Documents and Settings\[user name]\My Documents\Bluetooth Exchange folder.

Connecting Keyboard, Mouse, Joystick and Headset devices

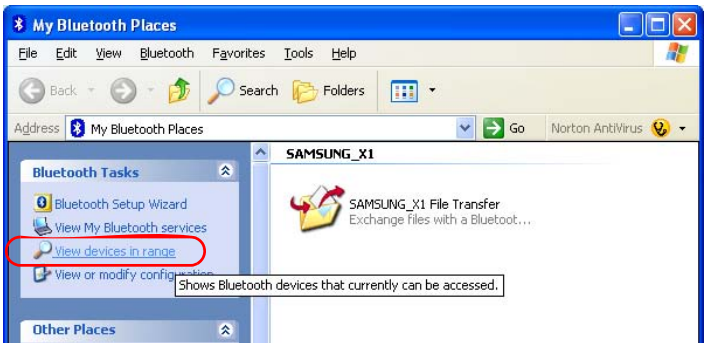
The procedures to use Bluetooth HID devices (keyboard, mouse, joystick, etc.) or a headset, etc. on the computer are described below.

The Bluetooth PIN Code is a password used for the connection between two Bluetooth devices, the user just enter the same PIN Code on both Bluetooth devices to make a connection.

1. Turn on the Bluetooth function on the device to connect to (mouse, keyboard, joystick or headset).

   Some devices have a button to turn on the Bluetooth function, so refer to the corresponding device manual.
2. Double-click on the **My Bluetooth Settings icon** () on the Desktop.
3. If the **My Bluetooth Settings** window appears, click on **View Devices within Coverage**.

If the device to connect to appears, click on the device. (E.g. mouse)



If the device does not appear, click the **View Devices within Coverage**. If the device has not appeared yet, since this menu changes to **Search Devices within Coverage**, click the **Search Devices within Coverage** to show the device.

4. If the **Bluetooth PIN Code** input window appears, enter a PIN code referring to the manual of the corresponding device. The PIN code for an HID device is generally printed in the manual of the corresponding device.
5. If you enter the PIN code, you can immediately use the device.

A Bluetooth keyboard and mouse work only in Windows. They will not work in MS-DOS mode or in Hibernation mode.

Stopping a Bluetooth device

Right-click the **Bluetooth** icon ( ) on the taskbar and select **Stop the Bluetooth device**.

To use a Bluetooth device after stopping it, select **Start Bluetooth device** as above.

Use Instructions

- Bluetooth devices must be within a 3m (10 ft.) distance.
- For a better communications environment, use the devices in an open space where no wall or obstacle exists.
- For a telephone connection, data synchronization, electronics business card exchange, fax transmission/reception, sound related functions, and serial port function, you can connect with only one Bluetooth device.
- Using the network connection or file transmission function, multiple Bluetooth devices can be connected. However, since connecting with multiple devices may slow down the data rate or make the connection unstable, connecting with one device at a time is recommended.
- The Bluetooth function of a Bluetooth PDA, mobile phone, mouse or keyboard may be turned off. To use them in connection with a Samsung computer supporting Bluetooth, you must check if the Bluetooth function of the device to connect to is turned on.

  For the procedures on turning on the Bluetooth function of a device, refer to the manual of the device.
- The services provided by Bluetooth devices may vary depending on their capability. For the services provided by Bluetooth devices, refer to the manual of the device.

Customizing Your Computer

Using System Setup

The System Setup (BIOS) program enables you to configure your computer hardware and set security and power-savings options. The settings you choose are stored in battery-maintained CMOS memory that saves the information even when the computer's power is turned off. When your computer is turned back on, it is configured with the values found in this memory.

Run System Setup if you get a message prompting you to run the program. You may also want to run System Setup, particularly the first time you use your computer, to set the time and date, use security or power-management features, or alter the settings of other features.

BIOS Caution:
If you are not familiar with BIOS setup and what the parameters mean, seek help from a person who is knowledgeable. Incorrect settings may cause your system to malfunction or "Crash".

Your computer's version of System Setup may not include all the fields listed here or may include additional fields. Field names and order of appearance can vary according to the version of the BIOS (basic input/output system) on your computer.

Starting System Setup

To start System Setup, turn on your computer and then press **<F2>** and hold until the System Setup screen appears.

Table 2. System Setup Menus

Menu	Function
Main	Changes the basic system.
Advanced	Configures advanced features on your computer.
Security	Enables security features, including passwords.
Boot	Specifies the order of boot devices and configures boot features.
Exit	Specifies how to exit System Setup.

To open the menu you need to use, use the left or right arrow keys to select the menu name.

Table 3. System Setup Navigation Keys

Navigation Key	Function
<F1>	Displays the General Help window.
<Esc>	Exits the current menu.
<▲> or <▼>	Moves the cursor up and down between fields.
<◀> or <▶>	Selects different menus. Pressing the <**Esc>**key at the Main menu brings you to the Exit menu.
<F5>	Scrolls backwards through the options for the highlighted field.
<F6>	Scrolls forward through the options for the highlighted field.
<F9>	Sets the parameters for the current menu to their default values.
<F10>	Save changes and exit system setup.
<Enter>	Executes commands or opens a submenu.

Changing Booting Priority

You can select the booting priority among the devices such as the hard drive, CD-ROM drive, etc. The following example describes how to configure the hard drive as the first booting device when the CD-ROM drive is configured as the first booting device by default.

1. Select the **Boot** menu in System Setup.
2. Press **<Enter>** on **Boot Device Priority** item.
3. Use **<▼>** key to move to the **Hard Drive** item, and press **<F6>** until it is at the very top.
4. Press **<F10>** to save the changed configuration, and exit System Setup.

   Now you can boot the system with the hard disk drive as the first booting device.

Configuring the Password

Setting the Supervisor Password

By configuring a supervisor password, you can restrict system access to authorized users only.

Do not lose or forget your password. If you have forgotten your password, contact the Samsung service center.

1. Select the Security menu in the System Setup. To enter System Setup, see “Starting System Setup” on page 92.
2. On the **Set Supervisor Password** item, press **<Enter>**.
3. Enter a password, press **<Enter>**, re-enter the password for confirmation, and press **<Enter>** again.
4. When a message confirming the password configuration appears in the [Setup Notice] window, press **<Enter>**.

Setting the User Password

You can configure user passwords so that other users can use the system.

Before configuring a user password, a supervisor password must have been configured.
Users can start the system with their user password, but cannot enter into the System Setup.

Deactivating the supervisor password also deactivates the user password.

On the **Set User Password** item, press **<Enter>**, and complete step 3-4 of "Setting the Supervisor Password".

Activating the Booting Password

Before activating the booting password, the 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.

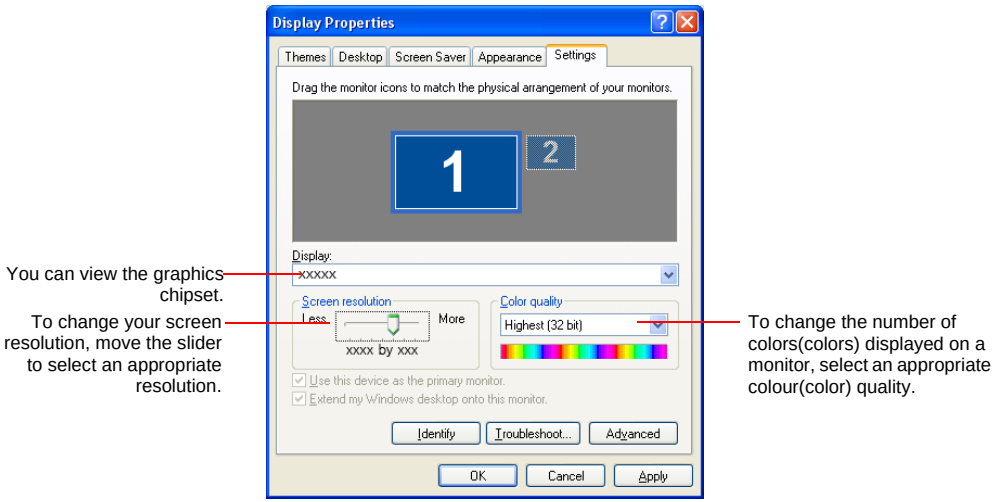
Deactivating the Password

1. On the password to delete, press **<Enter>**. (e.g. supervisor password)
2. Enter the current configured password, and press **<Enter>**.
3. Leave the 'Enter New Password' and 'Confirm New Password' field empty, and press **<Enter>** to deactivate the password.

Configuring Resolution and Color Depth

Screen resolution is the number of pixels displayed on the screen. High resolution makes the overall screen area large, although individual items appear small. Color quality is determined by the number of bits used to represent a pixel on the screen. High color quality displays more number of colours(colors) on your screen.

1. Select **Start** > **Control Panel** > **Appearance and Themes** > **Change the screen resolution**.
2. Make changes on the **Settings** tab of the [Display Properties] dialog box.



3. When you have completed configuration, click **Apply**.

The following resolution and color quality settings are recommended depending on the LCD screen of the system.

- WXGA: Screen resolution: 1280 x 768, Color quality: Very high (32bit)