



Digital Photo Frame **MP3** **JPG** **MPG** **USB**
SPF-71N



Frame manager

Frame Manager is a program needed to use Mini-Mo.

Click **Frame Manager icon** to run the install file.

You can find the installed Frame Manager in **C:/Program Files/Samsung/Frame Manager**.

To run Frame Manager, click Start and point to Programs, and then click **Samsung > Frame Manager > Launch Frame Manager**.



Safety Instructions Safety Symbols Power Installation Use and Cleaning	Overview Components Front Back Side (Buttons) / Side	Connecting Power LAN / Wireless LAN USB Memory Card	Using Direct buttons Home menu Play menu Menu
Applications Various Connections Examples of Time Viewing Other Screens Update / Mini-Mo	Specifications Specifications Supported Files	Troubleshooting Troubleshooting Terminology Service Centers	 Acrobat Reader  PDF Manual  Frame Manager  Frame Manager PDF Manual

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Digital Photo Frame
SPF-71N





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Safety Instructions

[Safety Symbols](#) | [Power](#) | [Installation](#) | [Using and Cleaning](#)

Safety Symbols

※ Make sure to follow the directions below to prevent accidents and damage to the product by using the product correctly.

Warning Failure to follow the accompanying directions may lead to serious injury or death.

Attention Failure to follow the accompanying directions may lead to serious injury or death.

[Safety Symbols](#) | [Power](#) | [Installation](#) | [Using and Cleaning](#)

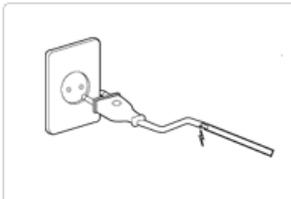
Power

Warning



▶ Insert the power plug correctly until it is firmly in place.

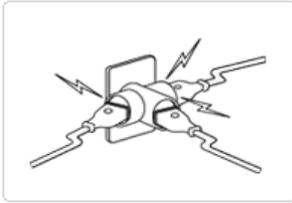
- Failing to do so, may cause fire.



▶ Do not use a damaged power plug, cord or outlet, as this may cause electric shock or fire.



▶ Do not touch the power plug with wet hands, as this may cause electric shock.

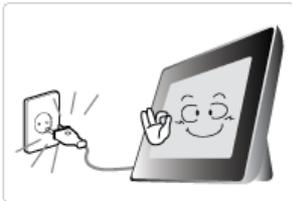


▶ **Do not connect more than one appliance to a single outlet, as an overheated outlet may cause fire.**



▶ **Do not use force to pull the power cord.**

- Don't place anything heavy on the power cord, as this may cause electric shock or fire.



▶ **Make sure to turn the power off and disconnect the power plug from the outlet before moving the product. Make sure to disconnect the connection cables from other devices as well.**

- Moving the product without disconnecting the power cord may damage it while moving, and may cause electric shock or fire.

Attention



▶ **Hold and pull out the plug by its body when disconnecting it from the outlet, as pulling the plug out by the cord may cause it to be damaged.**

- Failing to do so, may cause fire, or the product may not turn on normally.



▶ **Ensure that the power plug is disconnected before cleaning the product.**

- Failing to do so, may cause electric shock or fire.



▶ **Do not let water come into contact with or enter the power adapter, as this may cause electric shock or fire.**

- It is highly recommended not using the product outdoors in snowy or rainy weather, or near any water.
- When cleaning the floor with water, avoid any water contact with the power adapter.



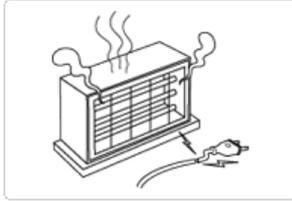
▶ **Do not place the power adapter near a heater, as this may cause fire.**

Warning



▶ **When installing the product on a cabinet or shelf, do not let the front end of the product project beyond its front edge.**

- Failing to do so, may cause the product to fall, resulting in a product malfunction or personal injury.



▶ **Do not place the power cord near a heater, as the power cord may melt, causing electric shock or fire.**



▶ **Do not install the product in a location exposed to oil, smoke, moisture, water, or rainwater, or in a car.**

- Any contact of these materials with the product may cause electric shock or fire.



▶ **Disconnect the power plug when there is thunder or lightning.**

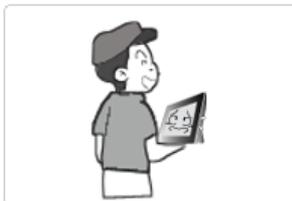
- Failing to do so, may cause electric shock or fire.

Attention



▶ **Place the product down gently when installing it.**

- Failing to do so, may cause product damage or personal injury.



▶ **Avoid dropping the product when moving, as this may cause product damage or personal injury.**



▶ **Do not install the product in a location easily reached by children.**

- As the product may fall and cause personal injury.

Warning



▶ Do not insert any metal objects such as chopsticks, wire, or gimlets, or flammable items such as paper or matches into the terminals at the back of the product, as this may cause electric shock or fire.

- If water or any foreign substance enters the product, make sure to turn the product off disconnect the power plug from the outlet, and contact a **service center**.



▶ Never disassemble, repair, or modify the product yourself.

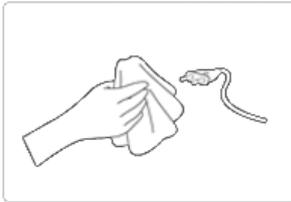
- If you need to repair your product, contact a **service center**. Failing to do so, may cause electric shock or fire.

Attention



▶ If you hear a strange sound, smell anything burning, or see smoke, disconnect the power plug immediately and contact a **service center**.

- Failing to do so, may cause electric shock or fire.



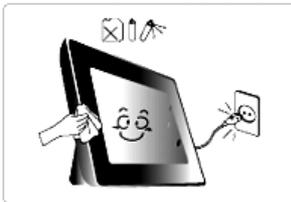
▶ Always remove dust and water from the pins and connections of the power plug.

- Failing to do so, may cause electric shock or fire.



▶ We recommend contacting a **service center** at least once a year for cleaning the inside of the product.

- If dust remains inside the product for a long time, the product may malfunction.



▶ When cleaning the product, first disconnect the power plug and clean it with a soft, dry cloth.

- Do not use any chemicals such as benzene, alcohol, thinners, mosquito repellent, aromatic, lubricant, detergent or wax.



▶ When not using the product for a long time, make sure to disconnect the power plug.

- Heavy accumulated dust may generate heating or ignition, causing electric shock or fire.



▶ If the product needs to be installed to a particular location, rather than under general conditions, make sure to contact one of our service engineers about the installation as the product may encounter serious quality problems due to its environment.

- This refers to places exposed to conditions such as heavy fine dust, chemicals, high or low temperature, moisture, or when the product needs to be used continually without a break over a long time.



▶ **If the product has been dropped or the product casing is damaged, turn it off and disconnect the power plug.**

- Using the product without verifying that it has not been damaged may cause electric shock or fire. Please contact a **service center**.

**Correct Disposal of This Product
(Waste Electrical & Electronic Equipment) - Europe only**



(Applicable in the European Union and other European countries with separate collection systems)

This marking shown on the product or its literature, indicates that it should not be disposed with other household waste at the end of its working life. To prevent possible harm to the environment or damage to health from uncontrolled waste disposal, please separate this from other types of waste and recycle it responsibly to promote the sustainable reuse of material resources.

Household users should contact either the retailer where they purchased this product, or their local government office, for details of where and how they can take this item for environmentally safe recycling.

Business users should contact their supplier and check the terms and conditions of the purchase contract. This product should not be mixed with other commercial wastes for disposal.

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Overview

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Features

01 Image display solutions through networking

- ♦ You can view digital images without turning on your PC or printing out images.
- ♦ Images stored by a web content provider such as Server are transmitted to your digital photo frame via a network. (Server provides inter operability allowing you to send photos from your cell phone or photos on a web site to your digital photo frame via a photo (mms) mail.)

02 With a networked digital photo frame, you can collect several of your photo albums and family albums into one location.

- ♦ This digital photo frame uses images stored on Server. You do not need a mass storage device to manage your photos. This provides a clean and convenient way to manage your photos.

03 Enjoy your photos using a variety of effects

- ♦ With your networked digital photo frame, you can also use various effects that Server provides such as decorating photos, adding music, and creating an image set.
- ♦ You can send your photos to a networked digital photo frame of a family member or friend at a remote location.

04 Expand the memory capacity with a memory card. Enjoy stored images immediately.

- ♦ By connecting a CF or SD/MMC memory card of your digital camera to your digital photo frame, you can enjoy the images on your digital photo frame quickly and easily. This also provides a way to expand the memory capacity of your digital photo frame.

05 Stylish design

- ♦ With its sleek and clean, high class design, your digital photo frame doubles as an ornament for your desk or table.
- ♦ A 90 degree rotating stand allows both horizontal and vertical installations.

| [Features](#) | [Components](#) | [Front](#) | [Back](#) | [Side \(Buttons\)](#) | [Side](#) |

Please check that all components are contained in the delivered package.

If anything is omitted, contact the local distributor where the product was purchased. For optional items, contact a [service center](#).

Never use a power adapter other than the adapter provided with the product.

Components



Digital Photo Frame
(Colors may differ for each product.)

➤ **Manual**



Quick Start



Warranty



User Manual



Cleaning cloth

➤ **Cables**



LAN cable



USB cable
(A-B type)



Power Adapter



Power cord

➤ **Sold separately**



CF card



SD/MMC card

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▣ [Front](#)



- 1 Power Indicator** Shows the power status. When the product is powered on, the power light turns on.

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▣ [Back](#)



- 1 POWER** Connect the power adapter to this jack. Connect the power cord to the power terminal of the power adapter.
- 2 LAN** If your digital photo frame is connected to a Server site via the LAN, you can download its contents to your digital photo frame.
- 3 USB** Connect a PC or an external device using a USB cable.

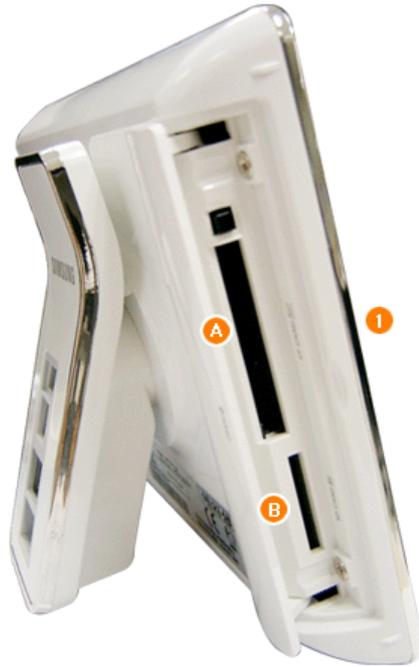
 - A** Up stream Connect your digital photo frame to a PC's USB terminal with a USB cable.
 - B** Down stream Connect your digital photo frame to a USB-supporting storage device with a USB cable.

✘ Make sure to use the USB cable (A-B type) provided with the product when connecting your digital photo frame to a PC through the up stream terminal.
- 4 Speaker** You can listen to music files and movies without additionally installing a speaker.
- 5 Stand** A 90 degree rotating stand allows both horizontal and vertical installations. If your digital photo frame is installed vertically, you can rotate your photos using the rotation function to fit to the vertical installation.
- 6 Sliding Prevention Holder** Supports the product so that it stays firmly in place on slippery surfaces.

Side (Buttons)



- 1** [⏻] **Power Button** Turns the product on or off.
- 2** [MENU] **Menu Button** Displays the menu at the center bottom of the screen.
- 3** [☀] **Brightness Button** Adjusts the brightness when displaying photos or playing movies.
 [^] **Up Button** Moves the selected frame in the menu up.
- 4** [←] **Left Button** Moves the selected frame in the menu to the left.
- 5** [→] **Right Button** Moves the selected frame in the menu to the right.
- 6** [VOL] **Volume Button** Adjusts the sound volume when playing music files or movies.
 [v] **Down Button** Moves the selected frame in the menu down.
- 7** [⏏] **Select Button** Selects a file to play back, a setting in the menu, or an item.
[SHOW] Slide Show Button Files are displayed in thumbnails at the bottom of the screen during playback. To play a file, use the Right and Left buttons to select a file and press the [⏏]/SHOW button.



I Memory Card Slot

You can insert a CF card or SD/MMC card into this slot to view and use the content stored on them. Open the cover using the groove marked **OPEN** and insert a card.

A CF CARD

You can insert a CF card into this slot to view and use the contents stored on it.

✗ You cannot use a CF card that is not properly formatted.

B SD /MMC CARD

You can insert a SD/MMC card into this slot to view and use the contents stored on it.

✗ SD/MMC cards bigger than 2-GB are not supported.

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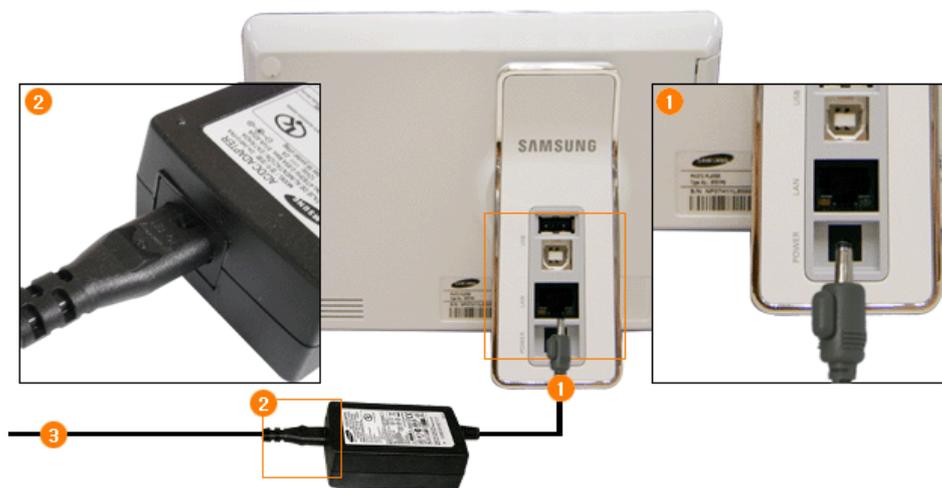


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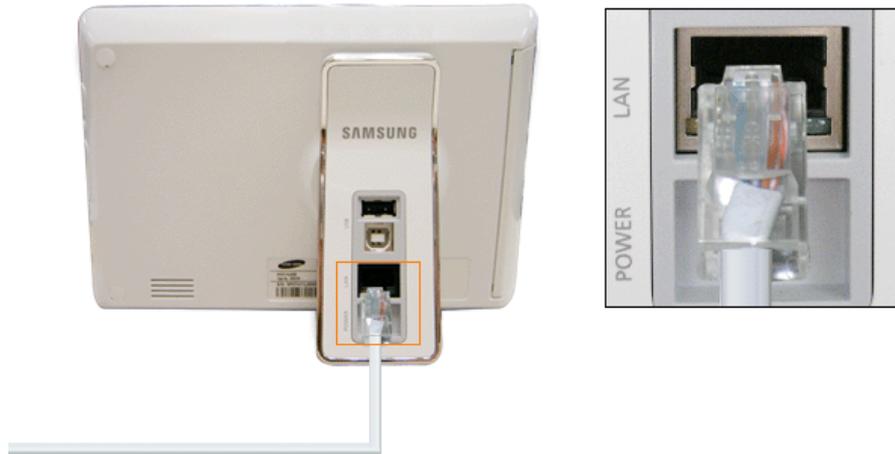
▣ [Connecting the Power](#)



- 1 Connect the power adapter to the **POWER** terminal at the back of the product.
- 2 Connect the power cord to the power adapter.
- 3 If all cables are connected, insert the power plug into a 220V outlet.
- 4 Press the  button at the right of the product to turn the product on.

- | [Power](#) | [LAN](#) | [Wireless LAN](#) | [USB](#) | [Memory Card](#) |

▣ [Connecting to a LAN](#)



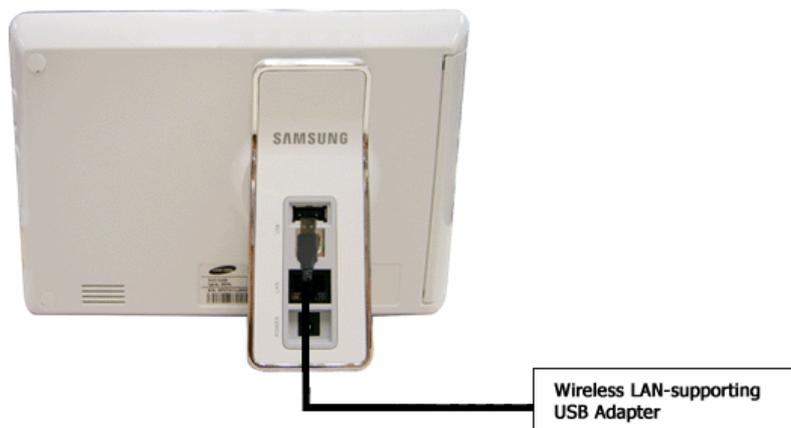
1 First connect a LAN cable before turning the product on.

2 Connect a LAN cable which is connected to a network to the **LAN** port.

- ✘ For information on how to use content services, contact the Server administrator.
- ✘ If your internet service is normal but you cannot connect to Server, contact a service center so that a service engineer visits your home to solve the problem. For other problems, you need to visit a Samsung service center.
- ✘ If the Internet service for transmitting photos is not provided in your area, the networking functions may not function.

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Connecting to a Wireless LAN



1 Connect a Wireless LAN-supporting USB Adapter to the **USB** terminal of your digital photo frame before turning it on.

To use a wireless LAN, you need a USB card that supports wireless LAN and an access point.

- ✘ **Wireless LAN-supporting USB Adapter:** Enables communication on a wireless LAN when connected to a digital photo frame. (Optional)

Available wireless LAN cards: 3CRUSB100075 (3COM), WL-54G (Unicorn), WL-167G (ASUS), DWL-G122 (D-Link)

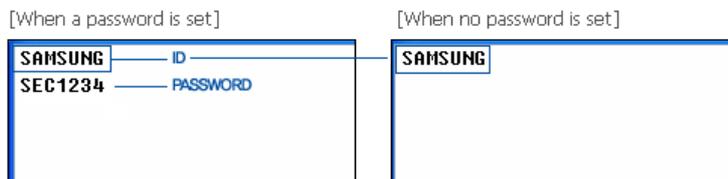
Access Point: Connects a USB card (dongle) to an external Internet network. Depending on the environment, you can use a wire/wireless sharing device. (Optional)

2 Configure a wireless LAN.

- When there is no authentication functionality (ESSID) configured at the access point:

First, check whether the IP address for the access point is fixed or dynamically allocated. Then configure the settings in the **Settings > Network > IP Settings** menu of your digital photo frame.

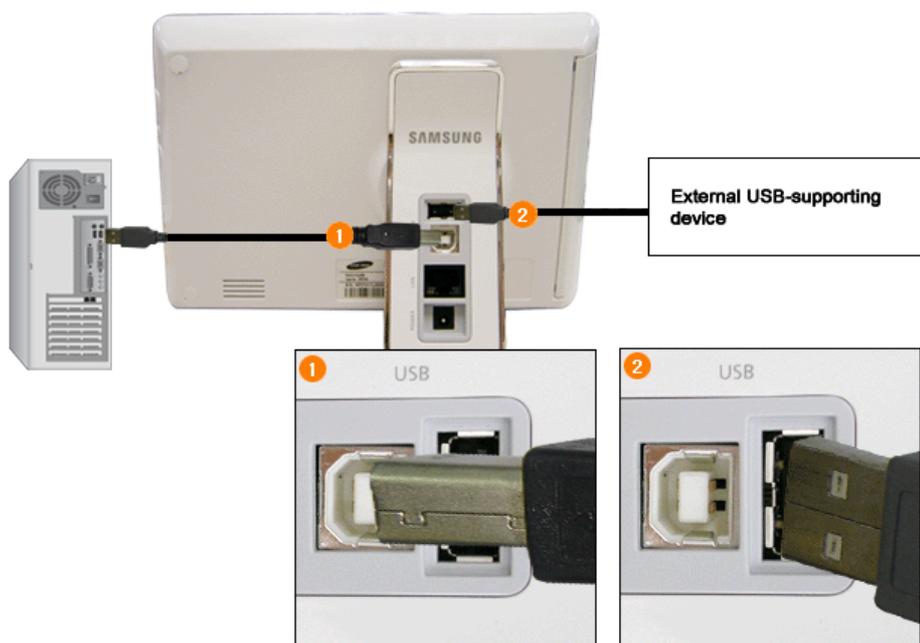
- When an authentication process (ESSID) is configured at the access point:
 - Save your ID and password to your digital photo frame.
 1. On your PC, run Notepad and write down your ID and password as shown in the figure below, and save it as 'essid.txt'.
 2. Connect your PC to your digital photo frame using a USB cable.
 3. Copy the Essid.txt file from your PC to the internal memory of your digital photo frame.



- ✘ If the ID and password are different from those configured at the access point you are using, you cannot connect to the network. If no password is configured at the access point and a password is set in the essid.txt file, or if a password is configured at the access point and no password is set in the essid.txt file, you will also not be able to connect to the network either.
- ✘ If you add anything except your ID and password in the essid.txt file, you may not connect to the network.

| **Power** | **LAN** | **Wireless LAN** | **USB** | **Memory Card** |

Connecting via USB



1 Up Stream Terminal

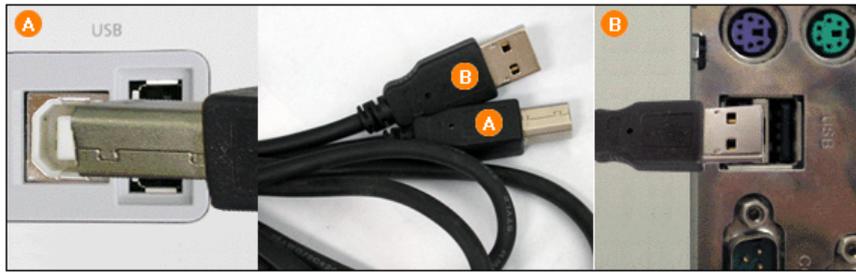
Used to connect your digital photo frame to a PC.

- ✘ When connecting your digital photo frame to a PC through the up stream terminal, make sure to use the USB cable provided with the product.

2 Down Stream Terminal

Used to connect an external USB-supporting device to your digital photo frame.

- ✘ This product does not support USB card readers. Only USB storage is supported.
- ✘ When connecting an external device to the down stream terminal, use the USB cable provided with the external device. (For more information on external devices and their cables, contact a relevant service center.)
- ✘ Samsung carries no liability for external device malfunctions caused by using any cable except the standard cables specified for each device.
- ✘ Some external products provide a cable that does not meet USB standards. Hence, they may cause a malfunction.
- ✘ If an external storage device does not work normally when connected to your digital photo frame, try to connect it to your PC. If it still does not work normally when connected to your PC, contact a service center for that external device or your PC.



A Connect to the up stream terminal of your digital photo frame.

B Connect the USB terminal of your PC.

| [Power](#) | [LAN](#) | [Wireless LAN](#) | [USB](#) | [Memory Card](#) |

▣ Connecting a Memory Card



1 CF CARD Slide the card into in the direction marked on the top of the card. To remove a memory card, press **A** the button at the top of the card slot.

2 SD/MMC CARD Slide the card in the direction marked on the top of the card.

※ Removing the memory card while playing MP3s, movies, or photos, may cause the product to operate abnormally. In this case, turn the product off and on.

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Using

| [Direct button](#) | | | |

Direct button

MENU



- ◆ The menu is automatically hidden after one minute.

Button	Description	Action/Stop
MENU (MENU button)	Shows the menu at the bottom center of the screen.	
	Pressing the menu button releases the Volume/Brightness mode.	

^ (Up button)



Button	Description	Action/Stop
 (Up button)	Moves the selected frame on the menu up.	 

Operating Position	During Playback	Menu	(Bottom) Thumbnail
Play Mode	Volume Up (when the volume adjustment window is displayed) Brightness Up (When the brightness adjustment window is displayed)	Moves up.	-

Operating Position	Contents List	Setting	Popup
Sub menu of  	Moves up	Moves up Adjust number	Moves up

 **∨(Down button)**



Button	Description	Action/Stop
 (Down button)	Moves the selected frame in the menu down.	 

Operating Position	During Playback	Menu	(Bottom) Thumbnail
Play Mode	Volume Down (When the volume adjustment window is displayed) Brightness Down (When the brightness adjustment window is displayed)	Moves down	-

Operating Position	Contents List	Setting	Popup
Sub menu of  	Moves down	Moves down Adjust number	Moves down

 **< (Left button)**



Button	Description	Action/Stop
< (Left button)	Moves the selected frame on the menu to the left.	

➤ > (Right button)



Button	Description	Action/Stop
> (Right button)	Moves the selected frame on the menu to the right.	

➤ / SHOW (Select / Slide Show button)



Button	Button Operation	Description
/ SHOW		

(Select / Slide Show button)	Basic operation	Selects a file to play back or a setting on the menu.
------------------------------	-----------------	---

Operating Position	During Playback	Menu	(Bottom) Thumbnail
Play Mode	Shows/Hides the list of thumbnails at the bottom.	Select	Shows/Hides the list of thumbnails, or select a thumbnail.
Operating Position	Contents List	Setting	Popup
Sub menu of  	Select and play	Select	Select

| Direct button |  |  |  |

HOME 

Play



- ◆ If there is an existing content item that was played, it returns to that playback screen.

Contents List

- ✗ Loads the contents stored on the media connected via USB port.



- ◆ If the Content List screen doesn't work about 30 minutes, it's switched over as the Clock screen automatically.

Items	OSD	Description	Action/Stop
Media file type	All	Loads all files from the selected media.	
	Photo	Loads JPEG files from the selected media.	
	Music	Loads MP3 files from the selected media.	
	Movie	Loads MPEG4 and WMV9 compressed movie files from the selected media. Lists the selected media and files in the left and right menu, respectively.	

List	Shows on the screen	Shows the selected file in an amber frame. If there are no supported files on the connected media, "No Contents Available." is displayed.	
Connected Storage Media	Server	Loads the contents onto the Server.	
	Internal Memory	Loads the contents stored in the Internal Memory.	
	SD / MMC	Loads the contents stored on a SD/MMC card.	
	CF	Loads the contents stored on a CF card.	
	USB	Loads the contents stored on the media connected via USB port.	

Connected Storage Media	List	Media File Types
Server	Shows the contents list that corresponds to the left and right menus.	All: Loads all files.
Internal Memory		Photo: Loads JPEG image files.
SD / MMC		Music: Loads MP3 files.
CF		Movie: Loads MPEG4 and WMV9 compressed movie files.
USB		

Setup



Upper Menu	Sub Menu	Detail Menu	Action/Stop
Play	Speed & Effect	<p>Slideshow Effect - Select an effect to give when displaying images on the screen. If Repeat One is selected for Play Mode, only tiling effect is given during playback.</p> <ul style="list-style-type: none"> ◆ No Effect, Random, Fade-In/Out, Checkers, Blind, Zoom, Trans.Move, Hor.Move, Ver.Move <p>Slideshow Speed - Select the speed for displaying images.</p> <ul style="list-style-type: none"> ◆ Faster, Fast, Normal, Slow, Slower 	
	Sound	<p>Volume - Adjust volume from 0 to 100 levels.</p> <ul style="list-style-type: none"> ◆ 0~100 <p>Background Music - Select a file to be used as background music. If background music is activated, the Slideshow Effect is fixed to fade-in/out.</p> <ul style="list-style-type: none"> ◆ Off, Memory, SD/MMC, CF, USB, Server <p>System Effect Sound - Activates or deactivates the sounds to be emitted according to product operations.</p> <ul style="list-style-type: none"> ◆ Off / On 	
	Sound Effect	<p>Auto Volume Control - Each music file can have a different volume level. This functionality adjusts all music files to the same volume level automatically.</p> <ul style="list-style-type: none"> ◆ Off / On <p>Stereo Effect - Enhances small mono sound to output a bright and clear sound.</p> <ul style="list-style-type: none"> ◆ Off / On 	
	Picture Ratio	<p>Select an aspect ratio for images to display.</p> <ul style="list-style-type: none"> ◆ Original, Fit to Width, Fit to Screen 	
			Select whether to playback the files sequentially or in shuffle mode.

	Play Mode	If Repeat One is selected for Play Mode, only tiling effect is given during playback. ♦ Repeat All , Random, Repeat One	 
	Info. Display	Information Display - Displays product status and other information you select. ♦ Play Mode, BG Music, Number of Files, Server Cond., Date & Time, File Location	 
		Auto Play - Select whether to playback the Server contents automatically or not ♦ Play the content automatically.	 
List	Layout	Select the number of thumbnails to display in the contents list. ♦ 3X2 Format, 6X4 Format	 
	Arrangement	Select how to sort the thumbnails displayed in the list. ♦ Standard	 
Picture		Brightness - Adjust brightness from 0 to 100 levels. ♦ 0~100	 
Time	Current Time	Date - Enter and set day, month, or year. Time - Enter and set hour, minutes, or AM/PM.	 
	Alarm	Alarm - Check the "Alarm Available." option and set a time. Alarm will ring at the specified time. ♦ Alarm Available. Alarm Sound - Select an alarm sound. ♦ Alarm 1, Alarm 2, Alarm 3	 
	Auto Picture On/Off	Auto Picture Off - Check the "Auto Picture Off Available." and set a time. Your product will turn off at the specified time automatically. ♦ Auto Picture Off Available. ♦ 1~12 : 00~59 a.m. / p.m. Auto Picture On - Check the "Auto Picture On Available." and set a time. Your product will turn on at the specified time automatically. ♦ Auto Picture On Available. ♦ 1~12 : 00~59 a.m. / p.m.	 
Language		Select Language - Select a language to use for your product. ♦ English Deutsch Français Español Italiano Português Русский	 
Networks	IP Setup	If you want to use the information you registered on the Server, the IP address of you Digital Photo Frame should be correct. ♦ Auto IP Address (DHCP) - Auto Configuration ♦ Using the IP Address Below - Manual Configuration - IP Address, Subnet Mask, Gateway, DNS	 
	Server Address	Server Address- Use the factory defaults for the server address. If there is any change, visit the Server and check the address. ♦ IP Address	 
Reset		Reset - Reverts the product settings to factory defaults.	 
Info		View the product information. Update the product using a USB memory stick. (See Using>I want to update firmware.) ♦ Manufacturer, Model, Model Name, MAC Address, Firmware Version ♦ Update	 

Clock

- ♦ Shows the set time in full screen mode.

| **Direct button** |  |     |  |

     **Play Menu**

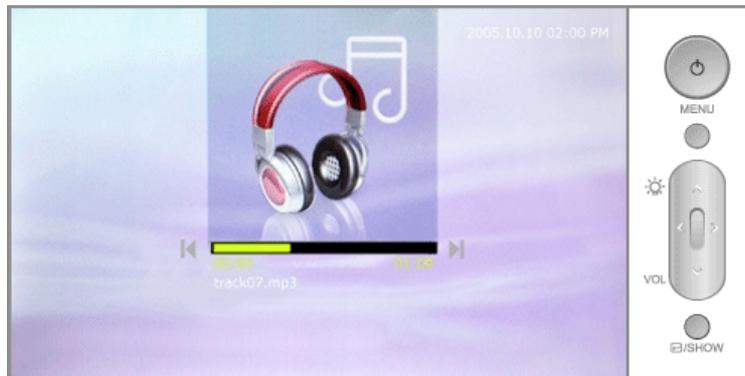
OSD	Description
-----	-------------

 Play	Play the file.
 Stop	Return to the first of the slide show.
 Previous File	Play the previous file in the contents list.
 Next File	Play the next file in the contents list.

| **Direct button** |  |  |  |

MENU  : Stops the file being played back

MP3



OSD	Description	Action/Stop
Mode	Select a mode among Repeat All, Random, and Repeat One.	
Save	Save the file being played back in the selected location.	
Delete	Delete the file being played back.	
Info	Show the information on the file being played back.	

Photo (Image)



OSD	Description	Action/Stop
Speed	Select a mode among Faster, Fast, Normal, Slow, and Slower.	
Effect	Select an effect among No Effect, Random, Fade-In/Out, Checkers, Blind, Zoom, Trans.Move, Hor.Move, Ver.Move. .	
Rotation	Select one among 90 CCW, Original, and 90 CW. You can install your Digital Photo Frame vertically.	
Mode	Select a mode among Repeat All, Random, and Repeat One.	

Save	Save the file being displayed in the selected location.	
Delete	Delete the file being displayed.	
Info.	Show the information on the file being displayed.	

Movie



OSD	Description	Action/Stop
Mode	Select a mode among Repeat All, Random, and Repeat One.	
Save	Save the file being played back in the selected location.	
Delete	Delete the file being played back.	
Info.	Show the information on the file being played back.	

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Digital Photo Frame
SPF-71N





Digital Photo Frame MP3 JPG MPG USB

SPF-71N

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☰ Applications

- ▶ **I want to use content using multiple connections.**
- ▶ **I want to set multiple times.**
- ▶ **I want to move to other screens.**
- ▶ **I want to display other information including the time while my digital photo frame is turned on.**
- ▶ **I want to update firmware.**
- ▶ **I want to connect to a monitor by using MINI-MO program.**

▶ I want to use content using multiple connections.

✘ By connecting a USB storage media or a CF/SD/MMC card to your digital photo frame and turning it on, the **Contents List** screen appears automatically and your digital photo frame loads the contents from the connected storage media and card.

- 01 Configuring the Address Before Using Server**
- 01 Select the **Setup** of .
 - 02 Select the **Networks**.
 - 03 Enter the IP address of your digital photo frame in the **IP Setup**.
 - 04 Enter the IP address that Server provides in the **Server Address**.
 - 05 Select **OK**.

- 02 Using Server**
- 01 Select the **Contents List** of .
 - 02 Select **Server**.
 - 03 View the images uploaded to **Server**.

✘ If your internet service is normal but you cannot connect to Server, contact a service center so that a service engineer calls on you. For other problems, you need to personally visit a Samsung service center.

- 03 Using a Device Connected via USB Port**
- 01 Select the **Contents List** of .
 - 02 Select **USB**.
 - ◆ Connect an external storage media and turn on your digital photo frame. It will automatically load the contents from the external media.
 - ◆ It loads all files from the external storage media. The more files there are, the more time is required to list the files in the **Contents List**.

- 04 Using SD/MMC/CF Card**
- 01 Insert a memory card into the card slot in the correct direction.
 - 02 Select the **Contents List** of .
 - 03 Select **SD/MMC** or **CF** according to the type of the card inserted.
 - ◆ When stopping using the external memory and inserting a memory card into the card slot, your digital photo frame loads the contents

automatically.

- ◆ Loading the contents from a memory card may take some time.
- ◆ To remove a memory card, press the button at the top of the card slot.

05 Using Memory with a Card Adapter

- ✗ Only applicable to memory supported by the CF card adapter or SD card adapter.
 - ✗ No guarantee is supported for memory cards and adapters other than CF, SD, MMC, and USB.
- 01 Insert a memory card such as T-flash or Mini SD into the slot of the CF card adapter or SD card adapter.
 - 02 Insert the memory adapter into the card slot in the correct direction.
 - 03 Select **Contents List** of .
 - 04 Select **SD/MMC** or **CF** according to the type of memory adapter inserted.



▶ I want to set multiple times.

01 Alarm

- 01 Select the **Setup** of .
- 02 Select **Time>Alarm**.
- 03 Check the **Alarm Available**. and set an alarm time.

02 Auto Picture On/Off

- 01 Select the **Setup** of .
- 02 Select **Time >Auto Picture On/Off** .
- 03 Check the **Auto Picture On/Off** and set an On/Off time

▶ I want to move to other screens.

01 Viewing the Clock

- 01 Select the **Clock** of .
- 02 Playback is stopped and a clock is displayed in full screen mode.
- 03 You can configure the current time in the menu **Setup>Time>Current Time**.
 - ✗ This product does not save time when its power plug is disconnected and then connected again. Therefore, you need to set time again. However, if you are connected to Server, time is automatically set or synchronized.

02 Returning to the Playback Screen

- 01 Select the **Play** of .
- 02 Playback resumes from the previous stop point.

03 Viewing Other Files

- 01 By pressing the  **SHOW** button during a slide show, files are listed as sorted on the bottom of the screen.

02 Move to a file using the <, > buttons and select it using the [Enter] button.

▶ I want to display other information including the time while my digital photo frame is turned on.

01 Configuring the Information to Display

- 01 Select the **Setup** of .
 - 02 Select Show **Info..**
 - 03 Select all items you want to display from among the **Play Mode, BG Music, Number of Files, Server Cond., Date & Time** and **File Location**.
-

▶ I want to update firmware.

01 Preparations

- 01 Digital Photo Frame
- 02 Firmware update file.
- 03 USB memory card or USB compatible external storage media.

02 Connect USB memory card to PC

- 01 If you are ready, connect the USB memory card to your PC.
- 02 Copy the firmware update file you downloaded to the USB memory card.
 - ✘ (To save a firmware file to a USB memory card, you have to first create the "firmware" folder in the root directory and save it to that folder.)

03 Connect USB Memory Card to Digital Photo Frame

- 01 Remove the USB memory card from your PC, and connect it to your Digital Photo Frame.
 - ✘ If your Digital Photo Frame is off, turn it on.

04 Select Update

- 01 Select **Setup** of .
- 02 Select Product **Info**.
- 03 Select **Update**.
 - ✘ The USB memory card must remain connected during the update operation.

05 Updating

- 01 The update progression is displayed on the screen. When the update finishes, your Digital Photo Frame will be restarted automatically.
 - 02 After boot-up, turn your Digital Photo Frame off, remove the USB memory card, and turn your Digital Photo Frame on again, for maximum safety.
 - ✘ Do not remove the USB memory card during the update operation.
 - Do not press any key during the update operation.
 - Do not insert any other card during the update operation.
 - Do not turn your Digital Photo Frame off during the update operation.
 - You can identify whether the update operation has finished successfully or not by checking the firmware version of your Digital Photo Frame is changed to the version of the firmware update.
-

▶ I want to connect to a monitor by using MINI-MO program.



MINI-MO is a function that enables the Digital Photo Frame to be operated as the Secondary Monitor.

Installing Frame Manager

- System Requirements
- Installation
- Installing USB driver
- Setting up the Mini-Monitor

Frame Manager User's Manual

- How To Use Digital Photo Frame As Mini-Mo
- How To Use Digital Photo Frame As Mass Storage
- How to switch current mode to another
- Brightness Control
- Update Firmware

⌘ Caution

- The Installation may not run properly under other OS except Widows XP SP2 and we are not responsible for any problems occurred by in goring this caution.
- It returns to PC Connect screen by selecting Exit from the Frame Manager when a USB cable is connected.
- Follow the proper installation procedures of the installation guide.
- Do not set the MINI-MO to Primary.
The user is responsible for any problems occurred by in goring this caution.
- Move the program to the Primary Monitor after it is displayed and uesd in the MINI-MO.
- We highly recommend setting the background of the Desktop to "(None)" in order to smoothly used the MINI-MO function.

⌘ System Requirements

- **OS** : Windows XP SP2
- **USB** : Extended Host Controller (EHCT) for USB 2.0
- **RAM** : 256 MB or above

01 Attention

- 01 Windows XP Service Pack 2 must be installed.
- 02 We recommend a CPU clock speed of 2.4 GHz or higher.
For speeds less than this, the screen speed may decrease or your Photo Frame may not work properly.
- 03 MINI-MO must be used as the Secondary monitor. If used as the Primary monitor, no scenes may be displayed.
- 04 You must use the USB cable provided with the product.
- 05 When operating in the MINI-MO, all buttons except for the Power button do not work.
- 06 When operating in the MINI-MO, only scenes can be sent. Sound is not supported.
- 07 In the MNI-MO function, the Brightness Bar will appear to control the Brightness once you click the Frame Manager Icon.

02 Application

- 01 Connect the Digital Photo Frame with a PC using a USB cable.
- 02 In the Digital Photo Frame, a screen appears as shown above to select the Mass Storage or the MINI-MO.

- 03 Find the directory installed above to connect when the Digital Photo Frame Driver is requested.
- 04 The Driver is installed automatically and a tray icon(Frame Manager) as shown below will appear at the system tray.

- 05 When the Mass Storage or the MINI-MO is selected, the pertinent function will be run.
- 06 A screen appears to select between the Mass Storage and the MINI-MO by right-clicking the mouse on the tray icon(Frame Manager) of the Windows.
- 07 When the Digital Photo Frame is running as the MINI-MO, a Bar to adjust the brightness will appear by left-clicking the mouse on the tray icon(Frame Manager) of the Windows.



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Digital Photo Frame
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Samsung Frame Manager

Installation Guide

| [System Requirements](#) |

[Installation](#) |

[Installing USB
driver](#) |

[Setting up
the MINI-Monitor](#) |

▶ System Requirements

- **OS** : Windows XP SP2
- **USB** : Extended Host Controller (EHCT) for USB 2.0
- **RAM** : 256 MB or above

| [System Requirements](#) |

[Installation](#) |

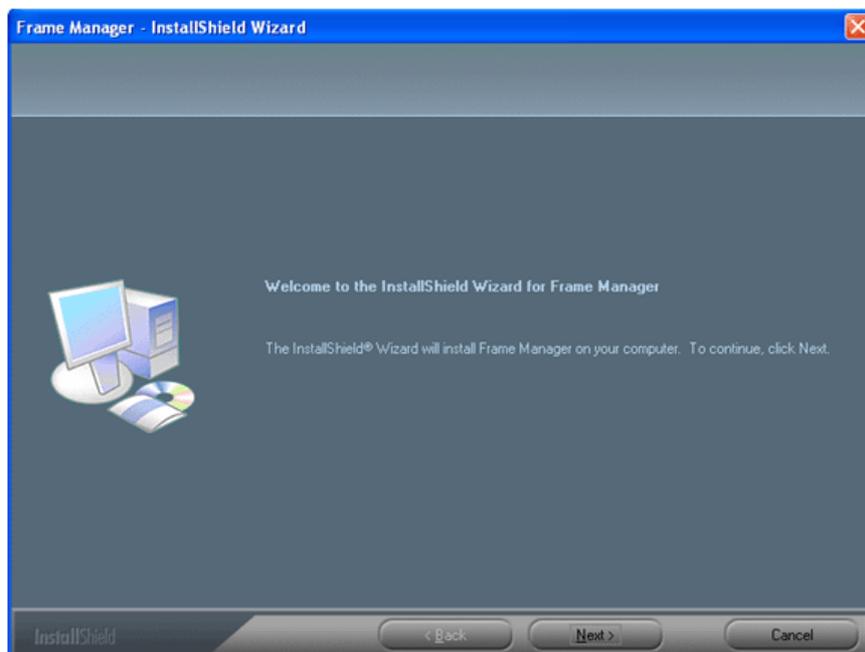
[Installing USB
driver](#) |

[Setting up
the MINI-Monitor](#) |

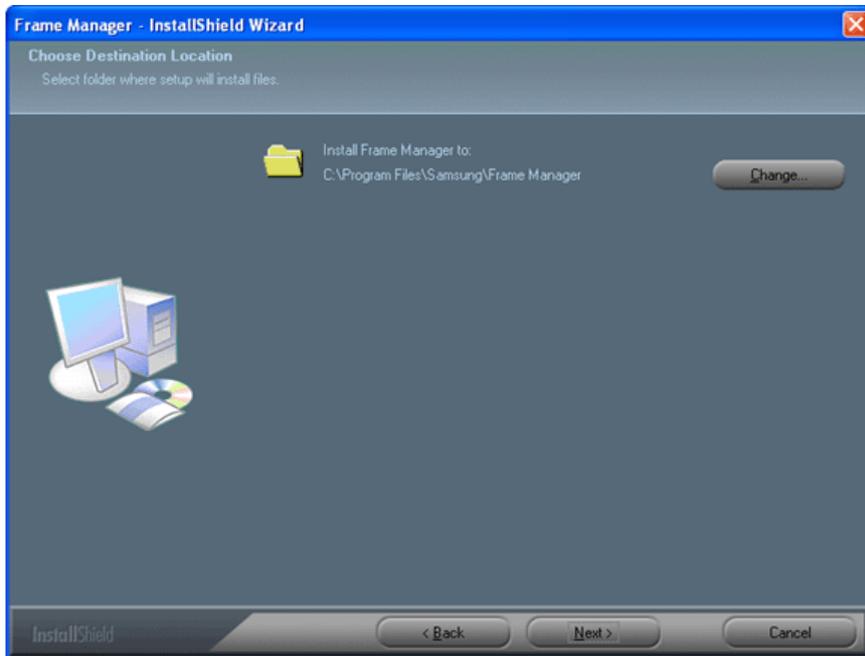
▶ Installation

**Install the Application first before connecting the Digital Photo Frame to a PC.
To Install the Frame Manager Software and USB Secondary Display -**

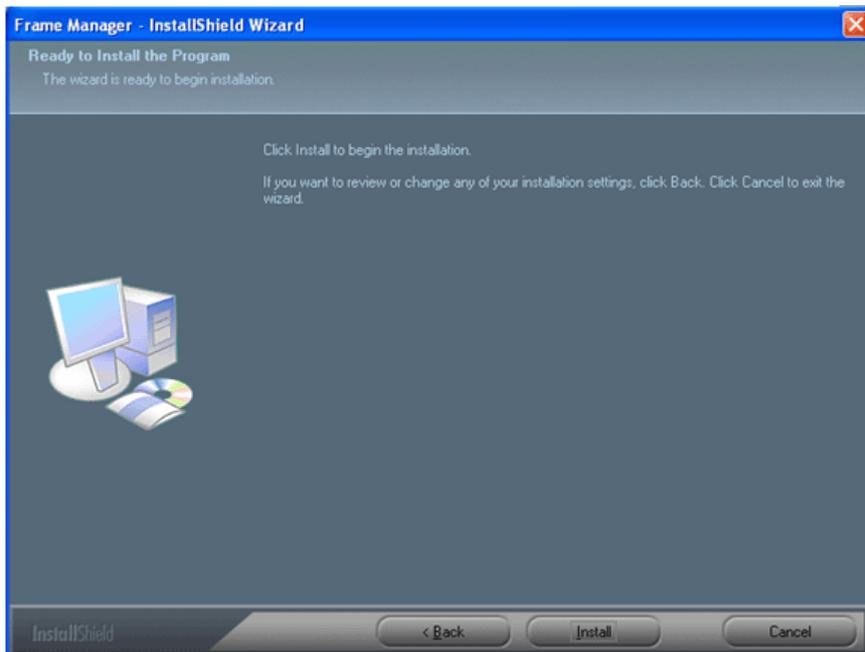
1. Click Frame Manager icon in the first page of the CD manual to run the install file.
2. Press "Next" button.



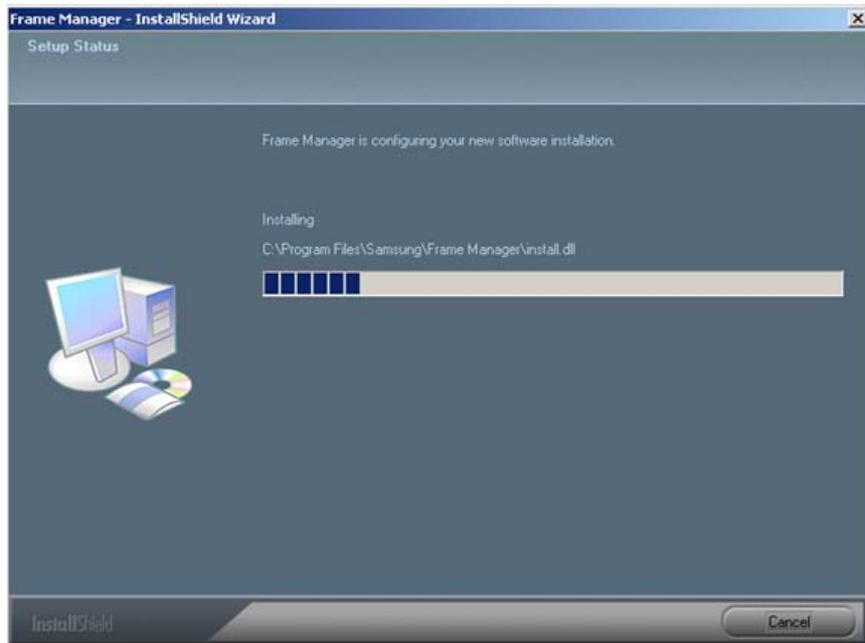
3. Click on "Change" button to Select the path on your PC where you want the software to be stored/installed.



4. Press "Install" button to proceed.

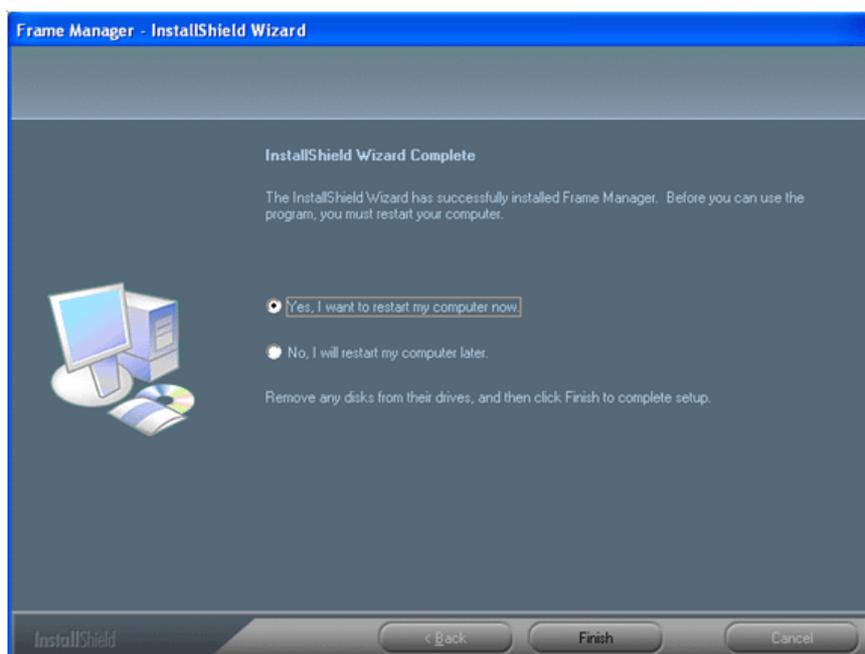


5. Press "Yes" Button.



6. Select "Yes, I want to restart my computer now" to boot the system.

Click on "Finish" button.



▶ Installing USB driver

Now Switch on the device (Samsung Digital Photo Player) and connect the USB cable (provided in the box with the unit) to the PC.

1. Connect the larger "standard USB" connector to the USB port of the PC. Connect the smaller "mini-USB" connector to the "PC" connector of the Samsung Digital Photo Fame.



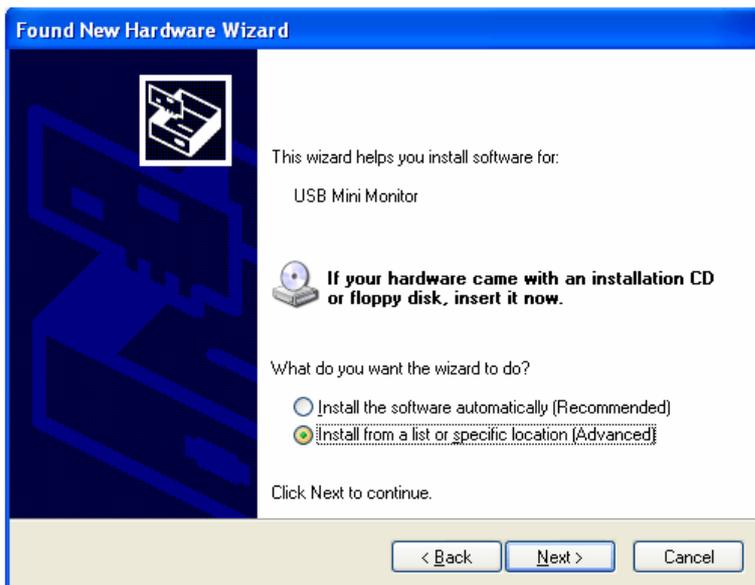
2. Select "No, not this time" button.



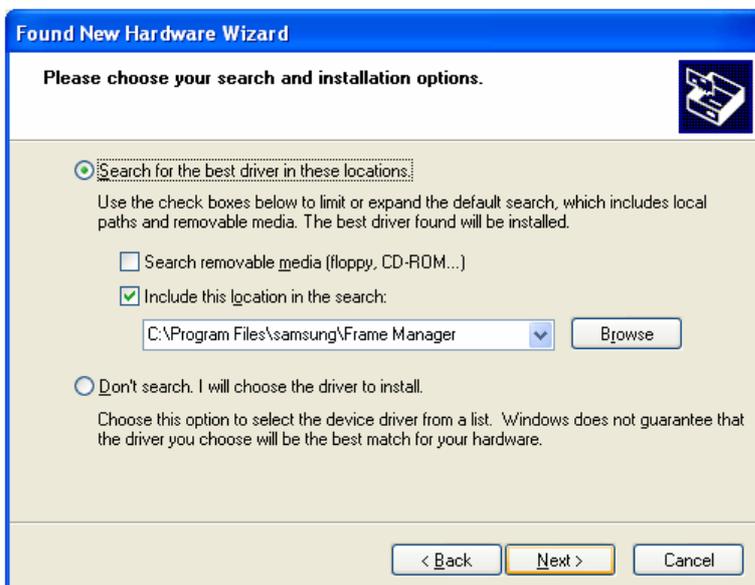
3. Click on "Next" button.



4. Select "Install from a list of specific location (Advanced)".
Click on Next button.



5. Select "Search for the best driver in these locations" option.
Check "Include this location in the search:"



Now click on "Browse" button to select the directory where the Frame Manger software is installed.
(Refer to Frame Manager Installation step 3).

6. Now press "Next" button.



7. Press "Continue Anyway" button.



8. Press "Finish" button.



9. Now the system is ready to be used.

| [System Requirements](#) |

| [Installation](#) |

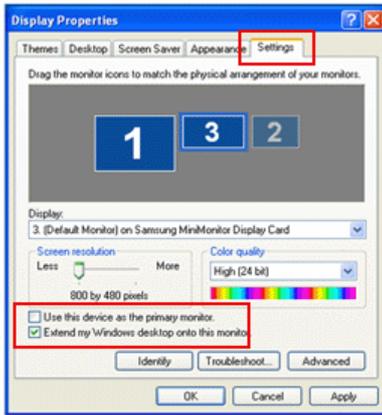
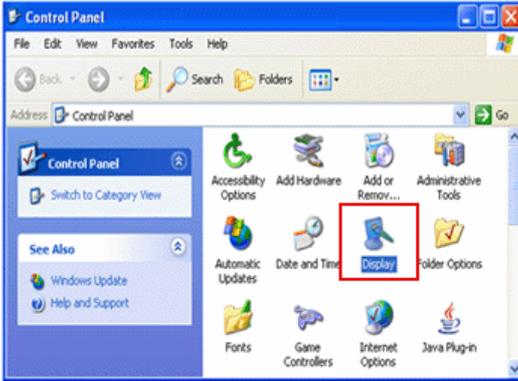
| [Installing USB
driver](#) |

| [Setting up
the MINI-Monitor](#) |

▣ [Setting up the MINI-Monitor](#)

When the PC is restarted the Frame Manager icon will appear in system tray.

1. To use the Samsung Digital Photo Frame as USB Secondary Display -
Go to Control Panel -> Display -> Settings -> Select Samsung MiniMonitor Display Card.
Check Button "Extend my windows desktop on to this monitor"



✘ **NOTE : Never make this as primary monitor.**

2. Press "Ok" or "Apply".



MIMI-MO Frame manager

The Default Mode of the Samsung Digital Photo Frame is Album.

To use the Photo Frame as USB Secondary Monitor or USB Mass-Storage follow the below instructions.

How To Use Digital Photo Frame As MINI-MO

If USB cable is not connected, and Photo Frame is switched on, it starts working as Album.

To use the Samsung Digital Photo Frame device as USB Secondary Monitor,

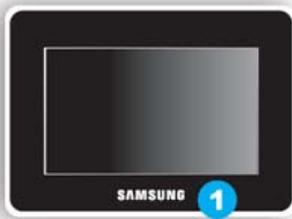
- First install the Frame Manager on the Windows XP PC.
(Follow the Frame Manager Installation guide for installation).
- Connect the USB cable with the PC and Device.

01 On Samsung Digital Photo Frame, following screen will appear:

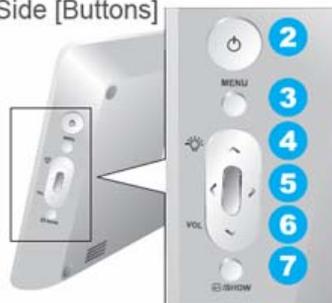


02 Select **MINI-MO** option by clicking the button.

Front



Side [Buttons]

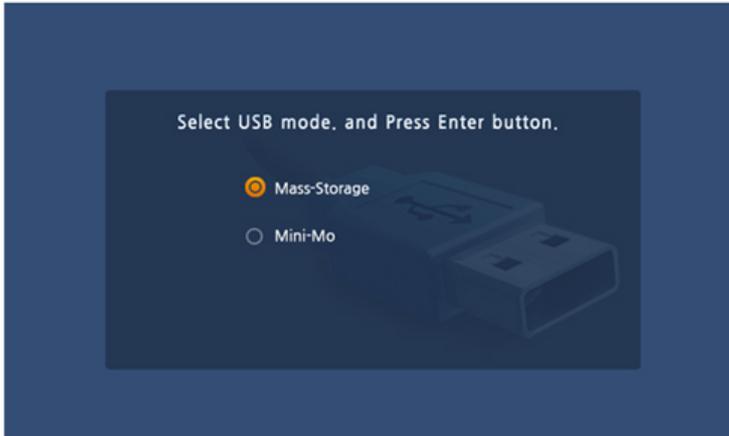


03 On the device desktop will appear.

- In Frame Manager  System tray menu, **MINI-MO** menu item will appear disabled (i.e. the current mode) and **Mass Storage** menu item will appear enabled.

How To Use Digital Photo Frame As Mass Storage

- 01 If USB cable is connected to PC, Disconnect and connect again.
Following screen will be shown on Digital Photo Frame.



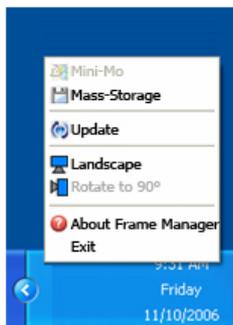
- 02 Select Mass-Storage option by clicking the button.
- 03 Use up-down (button 4 and button 6 in above figure) button on device for selection and by pressing menu button (button 3 in above figure) on device.
- 04 A dialog box (Windows Default) dialog will appear and you can open the folder.

How to switch current mode to another

1. MINI-MO To Mass-Storage

- ◆ If the USB Cable is connected and Photo Frame is being used as Monitor,

1. Right click on the Frame Manager System tray icon.

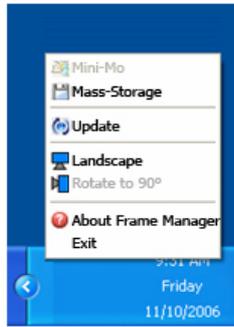


2. From the Menu, Click on menu item Mass Storage.

2. Mass-Storage To MINI-MO

- ◆ If the USB Cable is connected and Photo Frame is being used as Mass-Storage,

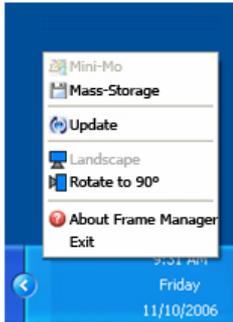
1. Right click on the Frame Manager System tray icon.



2. From the Menu, Click on menu item MINI-MO.

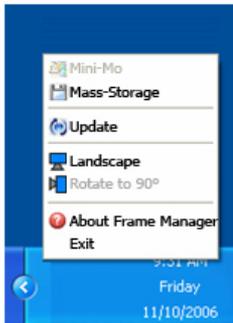
➤ 3. Rotate to 90 in MINI-MO Mode

- ◆ When the device is in MINI-MO mode 0 Degree, select "Rotate to 90°" to rotate the display by 90 degrees.



➤ 4. Rotate to 0 in MINI-MO Mode

- ◆ When the device is in MINI-MO mode 90 Degree, select "Landscape" to rotate the display back to normal 0 degrees position.



▶ Brightness Control

To control the brightness in MiniMo Mode (i.e. when Digital Photo Frame is being used as USB Secondary Monitor)

Click Left Mouse Button on the Frame Manager Tray Icon.

Brightness slider will appear.



➤ To Increase the brightness

- ◆ Drag the slider pointer to upward OR
- ◆ Press Up-Arrow/ Left-Arrow/ PgUp Key on keyboard

➤ To Decrease the brightness

- ◆ Drag the slider pointer downwards OR
- ◆ Down-Arrow/ Right-Arrow/ PgDn Key on keyboard

➤ To Maximize the brightness

- ◆ Press Home Key on keyboard

➤ To Minimize the brightness

- ◆ Press End Key on keyboard

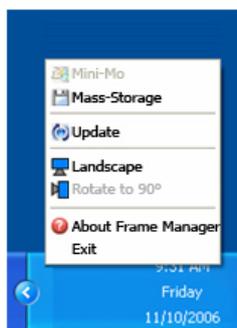
**➤ To Close Frame Manager application -
Click on Exit menu item.**

▶ Update Firmware

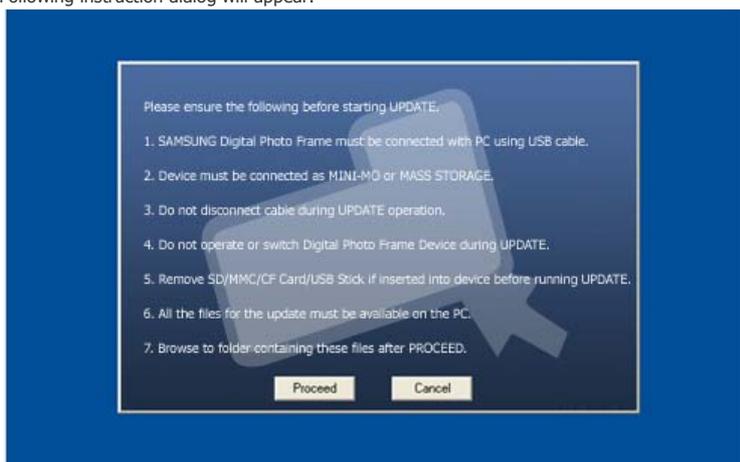
➤ To update the firmware from PC through USB cable, please ensure the following :

- ◆ SAMSUNG Digital Photo Frame must be connected with PC using USB cable
- ◆ Device Mode must be connected as MINIMO or MASS STORAGE
- ◆ Do not disconnect USB cable during UPDATE operation
- ◆ Do not operate or switch of Digital Photo Frame Device during UPDATE operation
- ◆ Remove SD/MMC or CF card, USB stick, if inserted into device before running UPDATE.
- ◆ All the files required for the update must be available on the PC
- ◆ Browse to the folder containing these files after PROCEED
- ◆ - Click Right Mouse Button on the Frame Manager Tray Icon.

1. Following tray menu will appear.



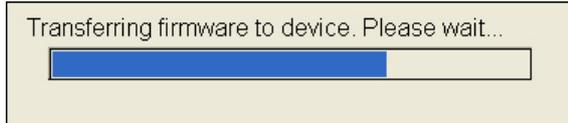
2. Click on Update item.
3. Following instruction dialog will appear.



4. If you do not want to update firmware click, click on Cancel button.
5. If you want to update firmware, click on Proceed button.
6. Following dialog will appear.
7. Select the path where the new firmware is available on disk/PC.
8. Select the file and click Open button.



9. During the transfer of file/files, following progress bar will appear.



10. After this please wait for completion of update on device.



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Specifications

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Specifications

Items		Specifications
Panel	Type	7" TFT
	Resolution	800 x 480
	Brightness	360 cd/m ²
	Contrast Ratio	300 : 1
	View Angle	40/60/60/60 (Up-Down/Right-Left)
	Interface	6-bit
Supported Formats		JPEG, MPEG4, WMV9
Built-in Memory		128 MB
Network	Wired	10/100 Ethernet
	Wireless	An external USB device that supports wireless connection (3Com 3CRUSB10075, ASUS WL-167g)
Sound		1 W x 1 built-in speaker
USB		Version 2.0, 2 channels (One up stream (host) and one down stream (slave))
Media (Memory Card)		CF x 1, SD/MMC x 1
Power		External DC power adapter (12V, 2A, 24W)
Content Files FAT16,FAT32 (200 Characters)	Photo File	Slide show Run/Edit/Interval/Screen transformation effect/Sorting, Thumbnail View Recommended image resolution: 800*600 ~1600*1200 Max. image resolution: 3200*2400

	Music File	MP3
	Movie File	MPEG4, WMV9
Networking	Networking	User authentication, IP Setting, Service Registration, Receiving and moving images and movies from/to the server
	Information on screen	Size, File info, Status info
Adjustment	I/O Device	Key (7 keys, 2-dimensional searching)
	Memory Card	MPV-based/Predefined Local Policy
	File Management	Copying photo files

※ The product design may differ according to the model, and specifications are subject to change without prior notice for product performance enhancement.



Class B Equipment (Information Communication equipment for residential use)

This product complies with the Electromagnetic Compatibility Directives for residential Use and can be used in all areas including common residential areas. (Class B equipment radiates less electromagnetic influences than class A equipment.)

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Supported Files

- ◆ Movie file formats :MPEG 4, WMV9
- ◆ Resolution : Less than 1024x768
- ◆ MPEG4 SP, ASP/L3,L5 (720x480, 2Mbps, 30fps)
- ◆ WMV9 SP, MP/medium level (720x480, 2Mbps, 30fps)

- ◆ Supported image file format : JPEG, 3200x2400

- ◆ The Digital Photo Frame uses these modules:
It complies to GPL licensing.
Linux Kernel 2.6.11, AAC, ffmpeg MP3
For more information, visit the following web sites:
AMD AU1200 website (<http://wwwd.amd.com/amd/devkits.nsf>)
AMD developer website (<http://developer.amd.com>)

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⋮ **Troubleshooting**

| [Troubleshooting](#) | [Terminology](#) | [Service Centers](#) |

Troubleshooting

This section lists various problems and solutions encountered by users while using the digital photo frame. When encountering a problem, first check the list below and follow the suggested action if one matches your problem. If the problem still persists, contact or visit the nearest service center.

Symptoms	Possible Causes and Suggested Actions
My Digital Photo Frame does not turn on.	<ul style="list-style-type: none"> ◆ Check the power connection between the product and the power adapter. ◆ Check whether the Samsung logo is displayed in full screen mode when pressing the power button.
Auto Picture On/Off does not work.	<ul style="list-style-type: none"> ◆ If Auto Picture On and Auto Picture Off are set to the same time, they do not work. Please check these times.
My digital photo frame turns on but the screen remains off.	<ul style="list-style-type: none"> ◆ Check the memory card type. If this is not inserted correctly or is not of a supported type, the photo may not display on the screen. (This product supports CF and SD/MMC cards only.) ◆ Check the file extensions if the card and other connections are correct. (This product supports the JPEG image format, MPEG4 and WMV9 movie formats, and MP3 music file format only. See Specifications.)
It takes some time to display an image after the digital photo frame turns on.	<ul style="list-style-type: none"> ◆ Loading a file from an external memory card may take several seconds. (This depends on the file format and size.)
No screen is displayed and just sound is heard for MPEG4 and WMV9 movies.	<ul style="list-style-type: none"> ◆ Loading a large sized file may take quite a long time. (This is a matter of specifications.) ◆ If only sound is heard continually, try to press any of the buttons on the right side of the product.
The aspect ratio of the screen looks abnormal.	<ul style="list-style-type: none"> ◆ Select one of the three values in the Setup>Play>Picture Ratio menu using the buttons on the right side of the product. (See Setup>Play>Picture Ratio)
The screen color is dimmed or too strong.	<ul style="list-style-type: none"> ◆ Adjust the brightness in the Setup>Picture>Brightness menu using the buttons on the right side of the product. (See Setup>Picture>Brightness)
Only the Samsung logo is displayed on the entire screen.	<ul style="list-style-type: none"> ◆ Check the file extension. If it is not of a supported format, only the Samsung logo is displayed while the file is being played. (Only MPEG4 and WMV9 movies are supported.)
Cannot operate devices during online services.	<ul style="list-style-type: none"> ◆ First, disconnect the LAN cable at the back of the product and try to turn the product off and on. If a Server related screen is displayed and you can operate menus using the buttons at the right side of the product, it means the product

is operating normally. (Please contact a Server service center.)

I have connected an external device (USB memory device or MP3 player), but it does not work.	<ul style="list-style-type: none">◆ Check the cable connection between the product and the external device.◆ Check whether the external device works as a standalone, and check the format of the files stored on it.◆ Only USB devices supporting Linux 2.6.x. can be supported. Please check that your USB device supports Linux 2.6.x.
The screen is displayed but there is no sound for MPEG4 and WMV9 movies.	<ul style="list-style-type: none">◆ Try to change the settings in the Setup>Play>Speed & Effect, and Slideshow Effect menus using the buttons on the right side of the product.◆ If there is no noticeable error in the settings, it may take some time to switch to the next file depending on the file size and format.
The screen is displayed but there is no sound for MPEG4 and WMV9 movies.	<ul style="list-style-type: none">◆ Change the settings on Setup>Play>Sound menu using the buttons on the right side of the product.
The movie freezes at some points.	<ul style="list-style-type: none">◆ Freezing may happen depending on the status of the movie file.◆ Breakings could happen during playback depending on the type and size of movie file.<ul style="list-style-type: none">◆ Movie file formats : MPEG 4, WMV9◆ Resolution : Less than 1024 x 768
Whenever I turn my Digital Photo Frame off and on, I find the time goes wrong.	<ul style="list-style-type: none">◆ This product has no built-in battery. When the power turns off, the time info also goes off. Therefore, you need to set time again whenever your Digital Photo Frame turns on. However, if you are connected to Server, you don't have to set time again because your Digital Photo Frame gets time info from the Server and sets its time automatically.
A menu is not displayed immediately when I press the menu button.	<ul style="list-style-type: none">◆ Displaying the menu and other operations may take some time while the product is loading an image to display on the screen.

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Terminology

Terms	Description
MPEG4 (Motion Picture Expert Group4)	<ul style="list-style-type: none">◆ MPEG4 is a movie compression technology for video communications which enables implementing bi-directional multimedia. It was developed to make it possible to transmit movies over low speed lines on the Internet or for mobile communications. It is used widely on PCs, TVs and cell phones. A movie file formatted in the MPEG4 format is called an MPG or MPEG file.
WMV9 (Window Media Video9)	<ul style="list-style-type: none">◆ A video codec in the MPEG4 format developed by Microsoft
MP3 (MPEG Audio Layer-3)	<ul style="list-style-type: none">◆ MP3 is a high quality audio compression technology. It provides a 50 times higher compression than CD. Because it provides high quality and a low size for its compression ratio, it is commonly used on the Internet and for FM radio transmissions, etc. An audio file formatted in the MP3 format is called an MP3 file.
JPEG (Joint Photographic Coding Expert Group)	<ul style="list-style-type: none">◆ JPEG is an image compression technology. It provides the smallest loss of all image compression technologies. It is used widely to transmit multimedia files on the Internet and for other uses. An image file formatted in the JPEG format is called a JPEG or JPG file. Usually, a JPEG file is created by taking a picture with a digital camera, by drawing on a computer, or by a graphic package and then by compressing the graphics image into the JPEG format.
CF Card (CompactFlash Card)	<ul style="list-style-type: none">◆ A CF card provides a higher capacity than other types of memory card. Because the controller is embedded in the memory, it provides high compatibility. It is widely used in various digital products such as PDAs, digital cameras, MP3 players, cell phones, and notebook PCs.
	<ul style="list-style-type: none">◆ An SD card is a Flash memory card the size of a postage stamp. It provides

SD Card
(Secure Digital Card)

high stability and high capacity. It is widely used in various digital products such as PDAs, digital cameras, MP3 players, cell phones, and notebook PCs. Its appearance is similar to that of MMC, but the number of pins and their thickness is different. It also has a password setting function for data security.

MMC
(Multi Media Card)

- ◆ MMC is external Flash memory used for small mobile devices, as in the case of the SD card. Because it has smaller footprints than SD/MMC cards, it has become widely accepted as the standard for memory cards. It is usually used to save movies and photos.

USB Cable
1) A-B TYPE

- ◆ Use the up stream terminal when connecting to a PC. This product supports USB 2.0. An A-B type cable which is used to connect your digital photo frame to a PC is provided with the product. The A type is the USB connector used to connect to a PC. The B type is the USB connector used to connect to an external device. You can connect your digital photo frame to a PC using an A-B type USB cable.

USB Cable
2) Cable for Connecting Other Devices

- ◆ Use this type of cable when using the down stream terminal. This product supports USB 2.0. When connecting an external device to the down stream terminal, use the USB cable provided with the external device.

AP
(Access Point)

- ◆ When using a cell phone, you will hear frequently about a "repeater." In a wireless LAN, AP plays the same role as a repeater. That is, it is an intermediate equipment through which wireless LAN cards receive signals. As a cell phone makes a call through a repeater, a wireless LAN card sends and receives data through an AP.

SSID
(Universal Plug & Play)

- ◆ SSID is a 32-bit unique identifier which is attached to each header of every packet being transmitted on a wireless LAN. It is used as a password when a wireless device connects to a Basic Service Set (BSS). Because SSID allows differentiating a wireless LAN from other wireless LANs, all APs and wireless devices that want to access to a wireless LAN must use the same SSID. If a device does not know the unique SSID of a certain BSS, it cannot connect to that BSS.

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Service Centers

If you need a product service, contact or visit a Samsung service center.
For services for network connection and the Server.

Services	Contacts
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Samsung Electronics web site

<http://www.samsung.com>



If you have any questions or comments relating to Samsung products, please contact the SAMSUNG customer care center.

North America		
U.S.A	1-800-SAMSUNG (7267864)	http://www.samsung.com
CANADA	1-800-SAMSUNG (7267864)	http://www.samsung.com/ca
MEXICO	01-800-SAMSUNG (7267864)	http://www.samsung.com/mx

Latin America		
ARGENTINE	0800-333-3733	http://www.samsung.com/ar
BRAZIL	4004-0000	http://www.samsung.com/br
CHILE	800-726-7864 (SAMSUNG)	http://www.samsung.com/cl
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ECUADOR	1-800-10-7267	http://www.samsung.com/latin
EL SALVADOR	800-6225	http://www.samsung.com/latin
GUATEMALA	1-800-299-0013	http://www.samsung.com/latin
JAMAICA	1-800-234-7267	http://www.samsung.com/latin
PANAMA	800-7267	http://www.samsung.com/latin
PUERTO RICO	1-800-682-3180	http://www.samsung.com/latin
REP. DOMINICA	1-800-751-2676	http://www.samsung.com/latin
TRINIDAD & TOBAGO	1-800-7267-864	http://www.samsung.com/latin
VENEZUELA	0-800-100-5303	http://www.samsung.com/latin

Europe		
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GERMANY	01805-121213 (€ 0,14/Min)	http://www.samsung.de
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U.A.E	800SAMSUNG (7267864) 8000-4726	http://www.samsung.com/mea



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Digital Photo Frame
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