

Picture Frame

User Manual

VERSION a

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SAFETY NOTES

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- Observe all of the precautions and instructions in this manual to prevent damage to the product or an injury from electric shock or fire.
- Do not disassemble or convert the product, especially when the power is on.
- Contact an authorized Customer Service Center for repair. Repair service will not be provided in the case you convert the product.
- Install the product on flat and vibration-free surface.
- Install the product in dry and well-ventilated environment.
- Do not install the product in the following conditions.
 - Exposure to the direct sunlight
 - Exposure to rain or water
 - Dusty environment
 - High humidity
 - Extremely variable temperature
 - Exposures to acid gas, alkaline gas, and vapor
- Do not use the product near water.
- Do not install the product near or over any heat generator such as radiator, electric heater, etc.
- Do not install and use the product near the devices that have magnets or generate magnetic field such as speaker, television, radio, etc.
- Keep the distance from the devices emitting noise such as fluorescent lamp, motor, etc.
- Do not put anything heavy on the product.
- Do not allow strong physical shock or vibration on the product.
- Do not cover or close the holes on product surface.
- Do not insert anything into the openings on the product.
- Do not allow tiny metal pieces, such as paper clip, pins, staple, etc, or flammable materials to be dropped into the product.
- Do not eat or drink near your Picture frame to avoid spill of tiny pieces or liquid.
- Prevent thick dust on your Picture frame.
- Unplug the power cord and stop using the product in lightening storm to minimize the risk of thunderbolt.
- Do not place heat generator, such as electrical heater, etc, on or around the power cord.
- Do not install the product in a location where people may step on the power adapter and line cord, and where those are knotted, twisted, or pressed.

- Hold and unplug the power adapter from electrical outlet when you disconnect it.
- Do not touch power adapter with wet hands. It must be treated in dry condition.
- Do not overload electrical outlet or extension cord.
- Do not unplug power adapter in the middle of operation.
- Unplug power adapter and use dry cloth to clean the product. Do not use liquid or aerosol cleaner.
- Connect power adapter to the grounded electrical outlet as rated at the label on your Picture frame
- Unplug power adapter and contact an authorized Customer Service Center, if you encounter with following cases. Do not try to fix it by yourself because it may cause critical failures and result in extensive repair work by technician.
 - Power adapter and/or power jack is damaged or worn out
 - Liquid is spilled into the product
 - The cabinet is broken
 - The product emits abnormal noise, heat, or smoke
 - The product is not normally working despite normal operation described in the manual.
 - The noticeable change is seen in the product performance.

CAUTION! :

Failure to follow safety notes could result in damage to your property, injury or loss of life from electric shock or fire.

CAUTION! :

Risk of explosion if battery is replaced by an incorrect type.

Dispose of used batteries according to the instructions.

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Introduction

What is the Picture frame?

Frame's paradigm has been changing by rapid growth.

As established frame show only one picture, Picture frame is a next generation Frame can show display on TFT -LCD screen without print.

You can see the many pictures in each other at an interval time that you want by downloading pictures saved in the PC.

Contents in the box

{ EMBED PBrush }

Picture Frame

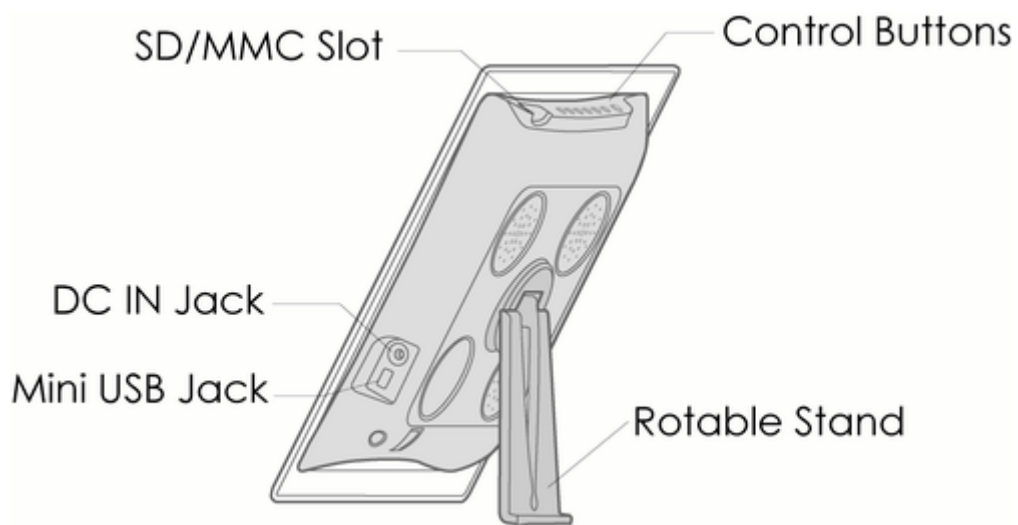
USB Connection Cable

AC Power Adapter

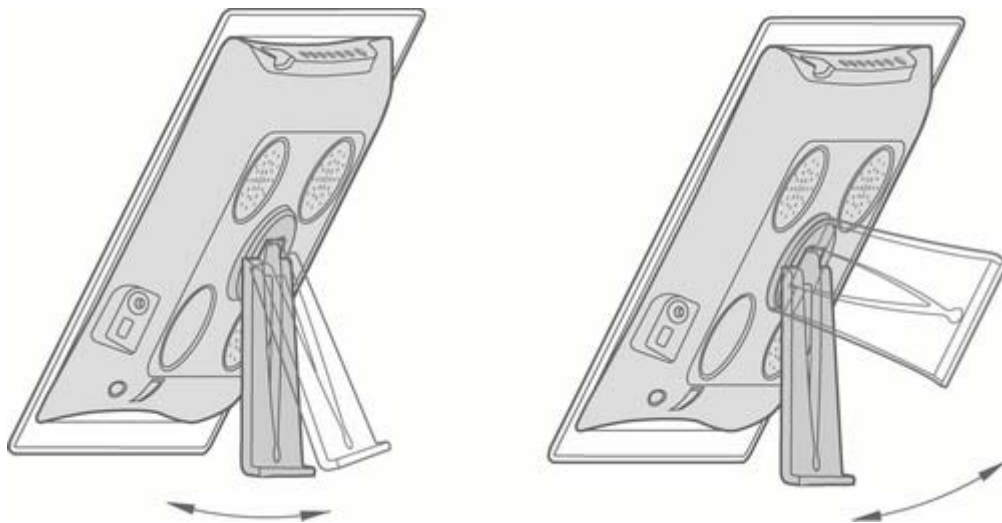
Install CD

User Manual

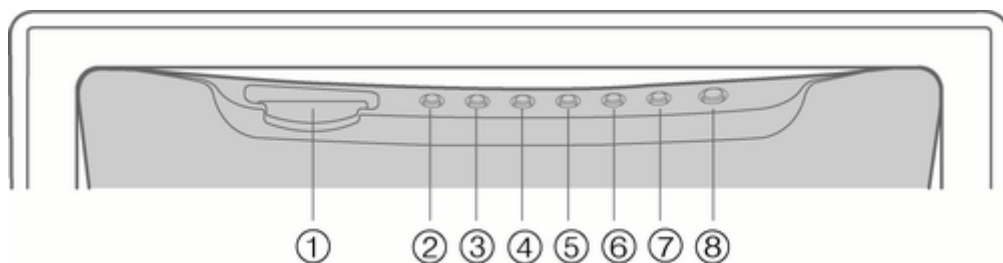
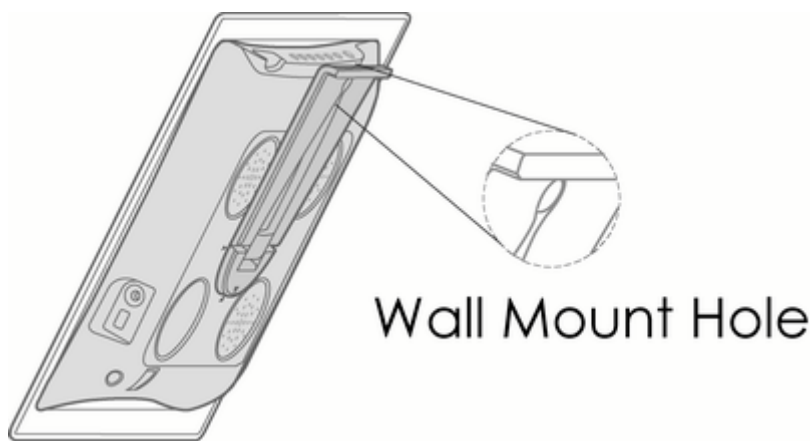
Locating Picture frame's Features



The stand on the back of the Picture frame can be rotated either clockwise or counter clockwise, and features resistance points at each 90-degree position.



Use wall mount hole on the stand when you set the picture frame on the wall.



{ EMBED PBrush } : Insert the SD(Secured Digital) card or MMC(Multi Media Card) to view the digital images stored in the SD card or MMC.

{ EMBED PBrush } : Press the **Slide Show** button to start, pause or resume playing a slideshow. Picture frame's slideshow feature displays images one after the other.

· *To stop the slide show, press the any button except the Power.*

{ EMBED PBrush } : Press the **Rotate** button to turn the current image clockwise 90 degrees. Continue to press the button until the image is displayed properly. You will not be able to use the rotate feature while playing a slideshow or while displaying thumbnails.

{ EMBED PBrush } : Use the **Select** button to choose a highlighted thumbnail or option on your Picture frame.

{ EMBED PBrush } : Press the **Down** button to move to next image or move between items in the Menu screen.

{ EMBED PBrush } : Press the **Up** button to move to previous image or move between items in the Menu screen.

{ EMBED PBrush } : Press the **Menu** button to appear Menu screen. If you press this button again, the Menu will disappear.

{ EMBED PBrush } : Turn on your Picture frame by pressing the **Power** button.



Power in Connector

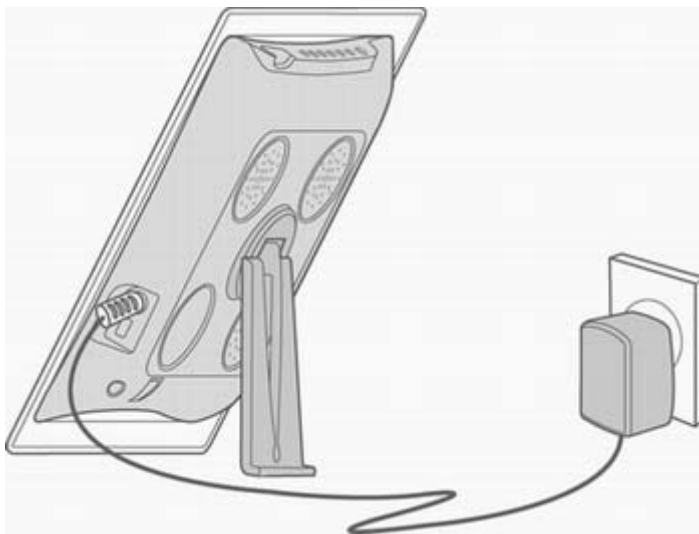
Connect the Power Adapter supplied as an accessory.

USB Connector

Before connecting to your PC using the USB cable, install the Picture frame USB software.

*Functions are will be changed for more good products.

Connecting

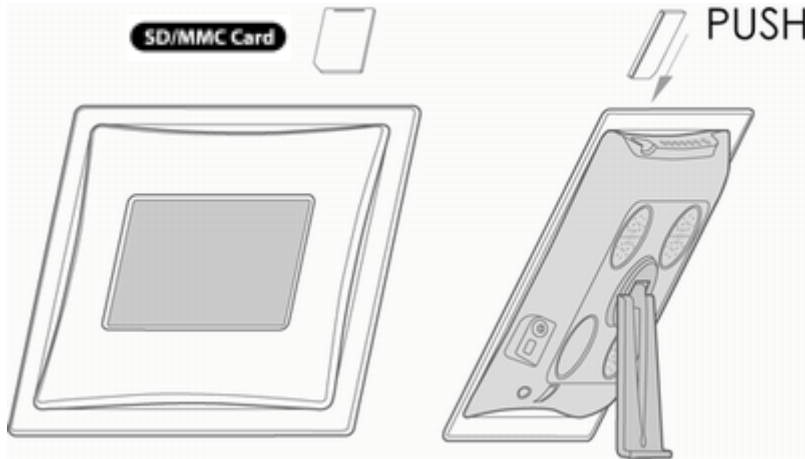


Connect the AC connector to the power jack on the back of your Picture frame. Insert the AC adapter plug into an electrical outlet.

Memory Card

The memory card slot can read the following types of memory cards : SD™, and MultiMediaCard™. If the card doesn't slide in easily, or Picture frame doesn't read the card, remove the card. Make sure the label is facing you and the notched corner is pointing toward the side of Picture frame and try inserting the card again.

Note: The Memory Card Slot only reads one memory card at a time. Do not insert more than one card into the memory card slot or damage may occur.



To insert the Memory card

- 1) With Picture frame's display facing you, hold the memory card with the label facing you and the notched corner pointing toward Picture frame.
 - 2) Push the memory card into the memory card slot slowly.
- *If you push memory card rightly, Picture frame will display the image in memory card.*

To remove the Memory card

- 1) Push the memory card in the memory card slot.
- 2) Then, the memory card will be dislodge, pull the memory card free.

Note: If you remove the memory card while Picture frame is read a image from memory card, the memory card can be damaged.

Setting

CLOCK SETUP

1. Press the **Menu** button



2. Press the **Up/Down** buttons to move to the [CLOCK SETUP] item.
3. Press the **Select** button



TIME SETUP

1. Press the **Up/Down** buttons to move to the [TIME SETUP] item, and press **Select** button.
2. Press the **Select** button to move to the [AM/PM], [HR] and [MIN] items, and press **Up/Down** buttons to set up the value.
3. Press the **Menu** button to save the value.

SHOW/HIDE

1. Press the **Up/Down** buttons to move to the [SHOW/HIDE] item, and press **Select** button.
2. Press the **Up/Down** buttons to move to the [SHOW] or [HIDE] item, and press **Select** button to save the value.

DISPLAY MODE

1. Press the **Up/Down** buttons to move to the [DISPLAY MODE] item, and press **Select** button.
2. Press the **Up/Down** buttons to move to the [AM/PM], [24HR MODE] or [ANALOG] item, and press **Select** button to save the value.

DISPLAY LOCATION

1. Press the **Up/Down** buttons to move to the [DISPLAY LOCATION] item, and press **Select** button.
2. Press the **Up/Down** buttons to move to the each Location items, and press **Select** button to save the value.

ADJUST BRIGHTNESS

1. Press the **Menu** button
2. Press the **Up/Down** buttons to move to the [ADJUST BRIGHTNESS] item.
3. Press the **Select** button



4. Press the **Up/Down** buttons to adjust brightness.
 5. Press the **Menu** button to disappear Menu screen.
- *Brightness consists of five levels.*

SAVE MODE

1. Press the **Menu** button
2. Press the **Up/Down** buttons to move to the [SAVE MODE] item.
3. Press the **Select** button



CHOOSE A MODE(ON/OFF)

1. Press the **Up/Down** buttons to move to the [CHOOSE A MODE(ON/OFF)] item, and press **Select** button.
2. Press the **Up/Down** buttons to move to the [ACTIVATE] or [OFF(ALWAYS DISPLAYED)] item, and press **Select** button to save the value.

ON-TIME SETUP (LCD-On-Time)

1. Press the **Up/Down** buttons to move to the [ON - TIME SETUP] item, and press **Select** button.
2. Press the **Select** button to move to the [AM/PM], [HR] and [MIN] items, and press **Up/Down** buttons to set up the value.
3. Press the **Menu** button to save the value.

OFF-TIME SETUP (LCD-Off-Time)

1. Press the **Up/Down** buttons to move to the [OFF- TIME SETUP] item, and press **Select** button.
2. Press the **Select** button to move to the [AM/PM], [HR] and [MIN] items, and press **Up/Down** buttons to set up the value.
3. Press the **Menu** button to save the value.

SLIDE SHOW SETUP

1. Press the **Menu** button.
2. Press the **Up/Down** buttons to move to the [SLIDE SHOW SETUP] item.
3. Press the **Select** button.

SLIDE TRANSITION TIME

1. Press the **Up/Down** button to move to the [SLIDE TRANSITION TIME] item.
2. Press the **Select** button.



4. Press the **Up/Down** buttons to move each slide time interval items, and press the **Select** button to save the value.

THUMBNAILS

1. Press the **Up/Down** button to move to the [THUMBNAILS] item.
2. Press the **Select** button.



3. Press the **Up/Down** buttons to move to the image that you want to display.
4. Press the **Select** button to mark the image.
 - *The Selected image will be marked with an yellow outline.*
 - *If you press the Select button one more time, the image that you mark will be unmarked.*
5. Press the **Up/Down** buttons to continue to select another image.

SAVE / DELETE IMAGE

Picture frame can display images from internal memory or a memory card. You can automatically display the images on a memory card by simply inserting the card into Picture frame.

1. Press the **Menu** button.
2. Press the **Up/Down** buttons to move to the [SAVE/DELETE IMAGE] item.
3. Press the **Select** button.

Save (There is the memory card in the memory card slot)

1. Press the **Up/Down** buttons to move to the image that you want to save from memory card.



2. Press **Select** button.
3. Press the **Rotate** button to save the image you selected.

Delete (There is nothing in the memory card slot)

1. Press the **Up/Down** buttons to move to the image that you want to delete.



2. Press the **Select** button.
3. Press the **Menu** button to delete the image you selected.

PC Program

Install PC Program

If you want to update driver, please install PC Program after uninstalling established PC Program by using updated install file

Note : You must disconnect USB cable from PC when you install PC Program.

1. Insert Install CD in CD-ROM of PC
2. Click “**Setup.exe**” in Install CD
3. Select “**Next**” in the “ **USB Network Adapter Setup**” window.
4. Click “**Next**” in the subsequent windows.
5. Input each blank and click “**Next**” in the subsequent windows.
6. Select the folder where setup will install files and click “**Next**” in the subsequent windows.
7. Click “**Install**” in the subsequent windows.
8. Installation PC Program is started.
9. If the installation complete, Click “**Finish**” in the subsequent windows. You can see the FRAME icon  on wallpaper of desktop PC.

Installation of USB Driver and Setting Network.

If you want to update driver, please install PC Program after uninstalling established PC Program by using updated install file

Note : You must install USB driver for recognition Picture Frame, set the network for communication PC and Picture Frame.

Window XP

1. Turn on Picture Frame. Connect Picture Frame to PC by USB cable. If it shows subsequent windows, click “**Next**”
2. It start to search new hardware
3. Click “**Continue Anyway**” in the subsequent windows
4. Click “**Finish**” in the subsequent windows
5. After installation USB Driver, set the network configuration. Go to the “Start Menu => Control Panel => Network and Internet Connections”. Select the Local Area Connection named “ USB Network Adapter”. Click right side on your mouse and select the “**Properties**”.
6. Select “**Internet Protocol(TCP/IP)**” and click “**Properties**”
7. Set up the IP address as 192.168.77.10, Subnet Mask as 255.255.255.0

Windows 2000

1. Turn on Picture Frame. Connect Picture Frame to PC by USB cable. If it shows

subsequent windows, click **“Yes”**

2. After installation USB Driver, set the network configuration. Go to the “Start => Settings => Control Panel => Network and Dial-up Connections”.
3. Select the Local Area Connection named “ USB Network Adapter”. Click right side on your mouse and select the **“Properties”**.
4. Select **“Internet Protocol(TCP/IP)”** and click **“Properties”**
5. Set up the IP address as 192.168.77.10, Subnet Mask as 255.255.255.0

Windows 98/ME

- If you install network adapter at first time, it may need install CD of Windows 98/ME

1. Turn on Picture Frame. If you connect Picture Frame to PC by USB cable, it found New Hardware as following image.
2. After installation USB Driver, set the network configuration. Go to the “Start => Settings => Control Panel => Network”.
3. Select **“TCP/IP-> USB Network Adapter”** and click **“Properties”**
4. Set up the IP address as 192.168.77.10, Subnet Mask as 255.255.255.0
5. Click **“Yes”** in the subsequent windows and system will restart.

Note: You must connect or disconnect USB Cable to PC while Picture frame is powered on. Other wise Picture frame can't search the USB connection.

Using PC Program

In case of Windows 98/ME if you use PC Program, upward of Internet Explorer version 6.0 SP1(Service Pack 1) should be installed.

Copy the image to Picture frame

1. Turn on Picture Frame and connect Picture Frame to PC by USB cable

2. Click FRAME Icon  on the wallpaper.

3. Select the image that you copy to Picture frame from PC on the left windows.

4. Click , then selected image is copied to Picture frame.

· User memory of Picture frame is 4Mbyte(It can save 15 images at least as 320x234 JPEG format.), it shows an available internal memory at upper right on window.

5. Select the image that you copy to PC from Picture frame on the right windows.

6. Click , then selected image is copied to PC.

· When you download images into Picture frame by PC Program, convert as 320x234 or lower resolution as much as possible.

Copy the image to memory card

If you copy the image to memory card, memory card should be inserted into memory card slot.

1. Insert the memory card into the memory card slot.
2. Turn on Picture Frame and connect Picture Frame to PC by USB cable.
3. Click FRAME Icon  on the wallpaper.
4. To download or upload the image into memory card, double click SDMMC folder on right window.
5. Select the image that you copy to memory card from PC on the left windows.
6. Click , then selected image is copied to memory card.
7. Select the image that you copy to PC from memory card on the right windows.
8. Click , then selected image is copied to PC.

Caution: Do not separate USB cable and memory card during upload or download. If you separate USB cable and memory card during transmission, memory card can be damaged.

Caution: In case that you insert or separate memory card while PC program is running, you must click 'refresh' after clicking right button of mouse on space of window.

Delete images

1. Turn on Picture Frame and connect Picture Frame to PC by USB cable.
2. Click FRAME Icon  on the wallpaper.
3. Select the image you want to delete.
4. Position mouse on the selected image, click right button of mouse.
5. If you click 'Delete', it will delete selected image.

Caution: SDMMC folder cannot delete or rename.

Uninstall PC Program

If you want to update driver, please install PC Program after uninstalling established PC Program by using updated install file

If you uninstall PC program, you must turn on Picture frame and connect Picture frame to PC by USB Cable.

1. Go to the “Start => Settings => Control Panel”
(In case of Windows XP, go to the “Start => Control Panel”)
2. Click “Add/Remove Programs”
3. Select “ USB Network Adapter” and click “Change/Remove”
4. Click “Yes”
5. Click “Finish” if the program is uninstalled completely.

Trouble Shooting

The information in this chapter will help you maintain your Picture frame and fix the problems you may encounter. When you have any trouble in your Picture frame, follow below instruction first. If the problem still exist after your troubleshooting, contact an authorized service center. Do not continue to use or disassemble it.

Problem	What to do
Displaying images seems slow.	Your image files might be very high-resolution. Large image files take longer to display. Use lower resolution images or resize image as proper resolution(320x234).
Picture frame won't display images.	Make sure your images are in JPEG format.
No images are displayed when power is on.	In the Sleep mode, images are not displayed. Disable this by changing the Sleep mode.
Unable to copy images from memory card.	The storage space in Picture frame may be insufficient. Delete existing images in Picture frame and try again.
Cannot view images even after inserting a Memory Card	Eject and insert the Memory Card again. If this does not work, check if the Memory Card actually contains photos.
Cannot select a picture from the copy images	Check if the image is supported by Picture frame. Only Images stored in Smart Media can be selected from the Copy Images.
Cannot view some images in Picture frame	Check if images to be displayed have been selected. Picture frame does not display photos if they have not been selected.
Can't show the menu as pressing menu button.	It cannot display menu screen while Picture frame is loading images. If 'Loading' letter disappear then press the menu button.
Can I eject a memorycard while images are being displayed as a slideshow?	It is highly recommended that you stop the slideshow before ejecting a memory card.

No change in PC function right after being connected with USB cable to install USB driver.	It takes a few seconds until PC recognizes a USB device. Please wait just for a little while until PC detects a USB device.
PC requests to install USB driver again once USB cable is connected to it even after USB driver has been already installed.	Insert the USB cable to the same USB port that was used when USB driver was installed in the beginning.
PC can't recognize Picture frame which is turned on again after having been turned off while still being connected to PC.	Disconnect USB cable and reconnect it to PC. Then, run PC program again.
In case of Windows ME, PC can't recognize Picture frame as PC program is executed after screen saver.	Reconnect Picture frame after disconnecting USB cable off of the PC. Then run PC program again.
It is impossible to delete, rename and upload images of the SD memory card in PC program.	If SD memory card is locked, it is impossible to modify/upload. Please unlock SD memory card.
You cannot locate the image in Picture frame you've downloaded from PC.	It happens when USB cable is disconnected while it is downloading the image. Reconnect USB cable to PC, run PC program, and download the image again.
PC Program won't work.	Disconnect USB cable from PC, then reconnect USB cable after turning Off/On Picture frame.
Installation message of USB cable keeps appearing.	It happens in Window 98/ME after USB cable is connected/disconnected repeatedly. Disconnect USB cable from PC, reconnect after 10 seconds and longer. Then run PC program.
It shows "Can't find OOO file" message when installing USB driver with USB cable being connected to PC at the same time.	It happens when you install USB driver without PC program installed first. Disconnect USB cable off of PC and install PC Program with Install CD first. Then connect USB cable to the PC and install USB driver.
Bad resolution of images displayed on Picture frame.	Most suitable size for Picture frame is 320x234 pixel. Resize the images as 320x234 pixel as using proper image editing tools.

Specifications

The following specifications are subject to change without notice for the purpose of quality improvement.

Item	Specification
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General	● CPU : Intel 200 MHz PXA255 ● Display : 5.6 inch TFT LCD ● Resolution : 320 234 pixel ● File Format : JPEG ● USB Port : USB 1.1 support ● Memory Port : SD/MMC card support ● Internal Memory : 16MB Flash Memory (User Memory : 4MB) ● Clock : Battery back-up RTC ● Power : Switching Power Adapter, 100V~240V, 50~60Hz, 12V, 1.5A
Function	● Supported Image Formats : JPEG ● Available for saving images (generally 10 images by maximum) ● Slideshow ● Digital Clock ● Resize image to screen, Rotate image ● Simple downloading images from PC by USB cable. ● Reading SD Card or MMC by memory port. ● Sleep Mode (Setting activate time) ● 360 ° Rotation and Stand with wall mount ● Display of Thumbnails
Environment	● Support Voltage : Switching Power Adapter, 100V~240V, 50~60Hz, 12V, 1.5A ● Operating Temperature : 10 ~ 35 ● Operating Humidity : 20 % ~ 80%
Physical spec.	● Dimension : 220 mm 220 mm 31.5 mm (L W H) ● Weight : 500g

- To extend LCD life, keep the apparatus unplugged while storing it over long periods or turn the power off while it is not in use. Use the Power-Save mode to put the apparatus into sleep mode as often as possible while you are out or not using it.
- The guarantee does not cover damage or failure caused by user misuse or abuse.
- The LCD may have up to 6 detective pixels due to peculiarities of the manufacturing process.

THIS DEVICE COMPLIES WITH PART 15 OF THE FCC RULES. OPERATION IS SUBJECT TO THE FOLLOWING TWO CONDITIONS:
(1) THIS DEVICES MAY NOT CAUSE HARMFUL INTERFERENCE, AND
(2) THIS DEVICE MUST ACCEPT ANY INTERFERENCE, RECEIVED, INCLUDING INTERFERENCE THAT MAY CAUSE UNDESIRE OPERATION.

Note : This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.

This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures :

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

NOTE: THE MANUFACTURER IS NOT RESPONSIBLE FOR ANY RADIO OR TV INTERFERENCE CAUSED BY UNAUTHORIZED MODIFICATIONS TO THIS EQUIPMENT. SUCH MODIFICATIONS COULD VOID THE USER'S AUTHORITY TO OPERATE THE EQUIPMENT.