# SAMSUNG

Style **slimmed**
to perfection

L830

SAMSUNG NV LENS
ZOOM 6.3 - 18.9 mm

## L830 / L730 User Manual

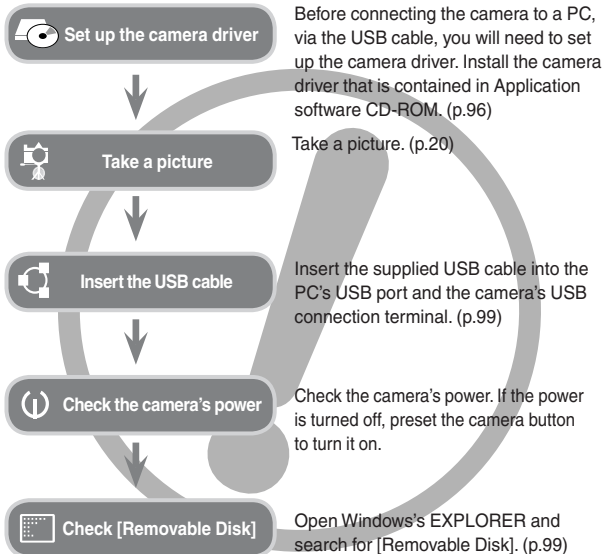Thank you for buying a Samsung Camera.
This manual will guide you through using the camera, including
capturing images, downloading images and using the application software.
Please read this manual carefully before using your new camera.

※ This manual is based on model L830.

ENGLISH

## Instructions

Use this camera in the following order.

**Set up the camera driver**

Before connecting the camera to a PC, via the USB cable, you will need to set up the camera driver. Install the camera driver that is contained in Application software CD-ROM. (p.96)

**Take a picture**

Take a picture. (p.20)

**Insert the USB cable**

Insert the supplied USB cable into the PC's USB port and the camera's USB connection terminal. (p.99)

**Check the camera's power**

Check the camera's power. If the power is turned off, preset the camera button to turn it on.

**Check [Removable Disk]**

Open Windows's EXPLORER and search for [Removable Disk]. (p.99)

- If you use a card reader to copy the images on the memory card to your PC, the images could be damaged. When transferring the images taken with the camera to your PC, be sure to use the supplied USB cable to connect the camera to your PC. Please note that the manufacturer holds no responsibility for loss or damage of images on the memory card due to the use of a card reader.

## Getting to Know your camera

Thank you for buying a Samsung Digital Camera.

● Prior to using this camera, please read the user manual thoroughly.
● When you require After Sales service, please bring the camera and the cause of the camera malfunction (such as battery, Memory card etc.) to the A/S centre.
● Please check that the camera is operating properly prior to when you intend to use it (e.g. for a trip or an important event) to avoid disappointment. Samsung takes no responsibility for any loss or damage that may result from camera malfunction.
● Keep this manual in a safe place.
● Specifications are subject to change without prior notice.

※ Microsoft, Windows and Windows logo are registered trademarks of Microsoft Corporation incorporated in the United States and/or other countries.
※ All brand and product names appearing in this manual are registered trademarks of their respective companies.
※ The contents and illustrations of this manual are subject to change without prior notice for upgrading the camera functions.

## Danger

DANGER indicates an imminently hazardous situation which, if not avoided, will result in death or serious injury.

● Do not attempt to modify this camera in any way. To do so may result in fire, injury, electric shock or severe damage to you or your camera. internal inspection, maintenance and repairs should only be carried out by your dealer or Samsung Camera Service centre.
● Please do not use this product in close proximity to flammable or explosive gases, as this could increase the risk of explosion.
● Should any form of liquid or a foreign object enter the camera, do not use it. Switch off the camera, and then disconnect the power source. You must contact your dealer or Samsung Camera Service centre. Do not continue to use the camera as this may cause a fire or electric shock.
● Do not insert or drop metallic or inflammable foreign objects into the camera through access points e.g. the memory card slot and battery chamber. This may cause a fire or electric shock.
● Do not operate this camera with wet hands. This could pose a risk of electric shock.

## Warning

WARNING indicates a potentially hazardous situation which, if not avoided, could result in death or serious injury.

● Do not use the flash in close proximity to people or animals. Positioning the flash too close to your subject's eyes may cause eyesight damage.
● For safety reasons keep this product and accessories out of reach of children or animals to prevent accidents e.g.:
  ● Swallowing battery or small camera accessories. If an accident should occur, please consult a doctor immediately.
  ● There is the possibility of injury from the camera's moving parts.
● Battery and camera may become hot during prolonged use and it may result in camera malfunction. Should this be the case, allow the camera to sit idle for a few minutes to allow it time to cool.
● Do not leave this camera in places subject to extremely high temperatures, such as a sealed vehicle, direct sunlight or other places of extremes in temperature. Exposure to extreme temperatures may adversely affect the camera's internal components and could cause a fire.
● When in use, do not cover the camera or Charger. This may cause heat to build up and distort the camera body or cause a fire. Always use the camera and its accessories in a well-ventilated area.

## Caution

CAUTION indicates a potentially hazardous situation which, if not avoided, may result in a minor or moderate injury.

● Leaking, overheating, or damaged battery could result in fire or injury.
  • Use battery with the correct specification for the camera.
  • Do not short circuit, heat or dispose of battery in fire.
  • Do not insert the battery with the polarities reversed.
● Remove the battery when not planning to use the camera for a long period of time. Otherwise the battery may leak corrosive electrolyte and permanently damage the camera's components.
● Do not fire the flash while it is in contact with hands or objects. Do not touch the flash after using it continuously. It may cause burns.
● Do not move the camera while it is switched on, if you are using the AC Charger. After use, always switch off the camera before unplugging the cable from the wall socket. Then make sure that any connector cords or cables to other devices are disconnected before moving the camera. Failure to do so may damage the cords or cables and cause a fire or electric shock.
● Take care not to touch the lens or lens cover to avoid taking an unclear image and possibly causing camera malfunction.
● Avoid obstructing the lens or the flash when you capture an image.
● Before inserting any cables or AC adapter, check the directions and do not insert by force. It may cause breakage of cable or camera.
● Credit cards may be demagnetized if left near case. Avoid leaving magnetic strip cards near the case.

## Contents

# Contents

# Contents

# Contents

# System chart

Please check that you have the correct contents before using this product. The contents can vary depending on the sales region. To buy the optional equipment, contact your nearest Samsung dealer or Samsung service centre.

< Included items >

Camera case

User manual, Product warranty

Camera strap

Software CD
(see p.94)

Computer
(see p.99)

PictBridge compatible printer (see p.84)

DPOF compatible printer (see p.81)

SD memory card / MMC
(see p.17)

AV cable

AC adapter (SAC-46) /
USB cable (SUC-C2)

Rechargeable battery
(SLB-0937)

External monitor
(see p. 57)
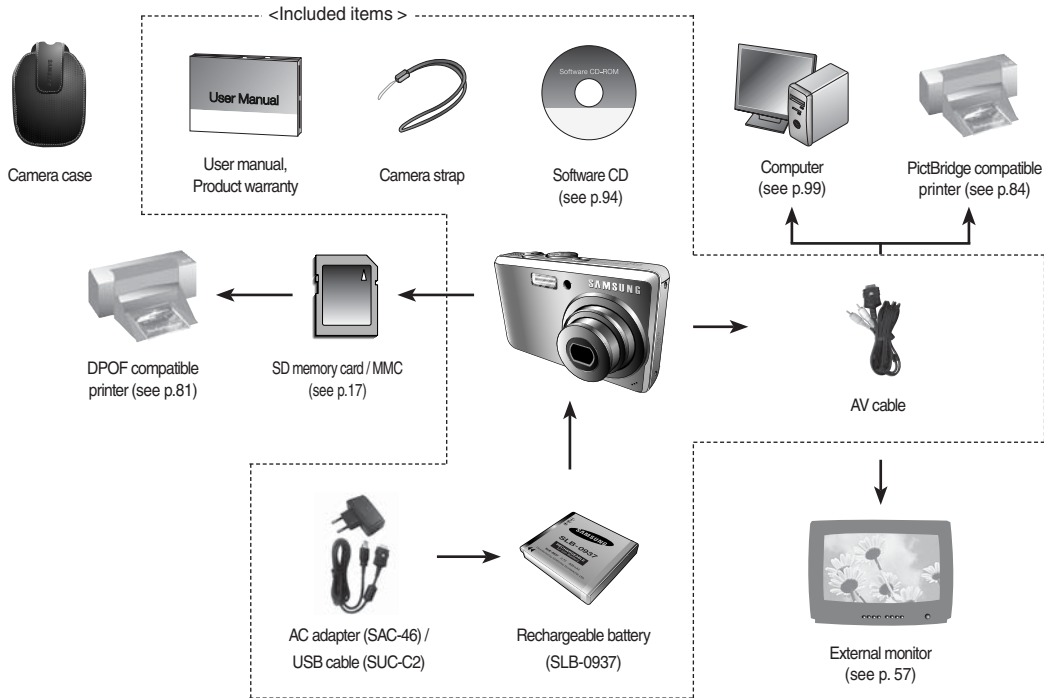
# Identification of features

Front & Top



Shutter button

Mode dial

Power button

Speaker

Flash

AF sensor/Self-timer lamp

SAMSUNG

Lens

Microphone

# Identification of features

Back



LCD monitor

Camera status lamp

Zoom T button (Digital zoom)

Zoom W button (Thumbnail)

E (Effect) button

Fn/Delete button

Eyelet for camera strap

5-function button

FR (Face Recognition) button

Play mode/Print button

SAMSUNG

## Identification of features

### Bottom

Memory card slot ─

Battery holder ─

Battery chamber ─

Battery chamber cover ─

Tripod socket ─

─ USB/AV connection terminal

### 5 Function button

Information / Up button
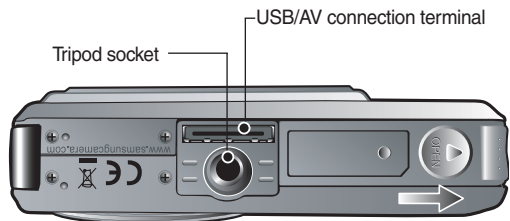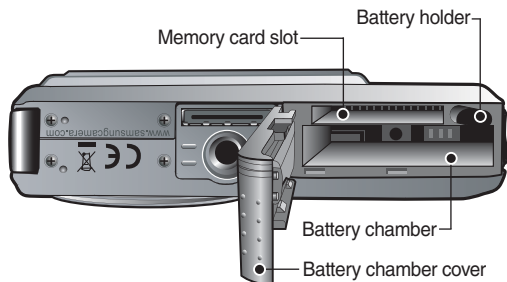
MENU/OK button

Flash / Left button

Self-timer / Right button

Macro / Down button
Play & Pause button

※ To open the battery chamber cover, slide it in the direction shown above.
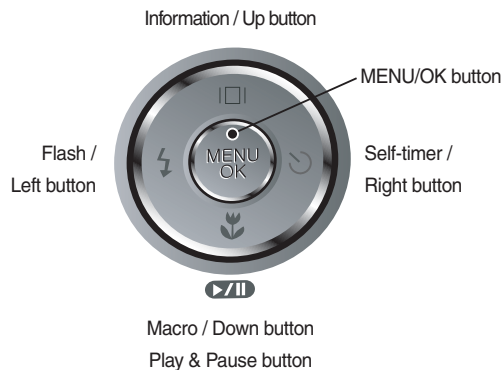
## Identification of features

■ Self-timer lamp

| Icon | Status | Description |
|------|--------|-------------|
| ⏱²ˢ | Blinking | For the 2 seconds, the lamp blinks quickly at 0.25-second intervals. |
| ⏱ | Blinking | - For the first 8 seconds, the lamp blinks at 1 second intervals.<br>- For the final 2 seconds, the lamp blinks quickly at 0.25-second intervals. |
| ⏱ᶜ | Blinking | A picture will be taken after about 10 seconds and 2 seconds later a second picture will be taken. |

■ Camera Status Lamp

| Status | Description |
|--------|-------------|
| Power on | The lamp turns on and off when the camera is ready to take a picture |
| After taking a picture | The lamp blinks while saving the image data and turns off when the camera is ready to take a picture |
| When the USB cable is inserted to a PC | The lamp lights up (LCD monitor turns off after initializing the device) |
| Transmitting Data with a PC | The lamp blinks (LCD monitor turns off) |
| When the USB cable is inserted to a printer | The lamp is off |
| When the printer is printing | The lamp blinks |
| When the AF activates | The lamp turns on (The camera focuses on the subject) |
| | The lamp blinks (The camera doesn't focus on the subject) |

■ Mode icon : Refer to page 20~23 for more information about the camera mode setting.

| MODE | Auto | Program | ASR | Manual |
|------|------|---------|-----|--------|
| ICON | 📷 | 📷 | 🖐 | M |
| MODE | Portrait | Night | Movie Clip | - |
| ICON | 👤 | 🌙 | 🎥 | - |
| MODE | Scene | | | | |
| | Children | Landscape | Close-up | Text | Sunset |
| ICON | 👶 | ▲ | 🌷 | T | 🌅 |
| MODE | Dawn | Back light | Fire works | Beach & Snow |
| ICON | 🌄 | 🏞 | 🎆 | 🏖 |

# Connecting to a Power Source

You should use the rechargeable battery SLB-0937 supplied with the camera. Be sure to charge the battery before using the camera.

■ SLB-0937 rechargeable battery Specification

| Model | SLB-0937 |
|---|---|
| Type | Lithium Ion |
| Capacity | 900mAh |
| Voltage | 3.7V |
| Charging time(When the camera is turned off) | Approx. 180 MIN |

■ Number of images and battery life : Using the SLB-0937

| Still image | | | Movie |
|---|---|---|---|
| | Battery life | Number of images | Recording time |
| L830 | Approx. 100 MIN | Approx. 200 shots | Approx. 90 MIN |
| L730 | Approx. 100 MIN | Approx. 200 shots | |
| Conditions | Using the fully charged battery, Auto mode, 8M image size(L730 7M image size), Fine image quality, Shot to shot interval: 30Sec. Changing the zoom position between the Wide and the Tele after every shot. Using the flash on every second shot. Using the camera for 5 minutes and then Powering it off for 1 minute. | | Conditions : Using the fully charged battery 640x480 image size 30fps frame rate |

※These figures are measured under Samsung's standard conditions and shooting conditions and may vary depending on the user's methods.

 Important information about battery usage.

- When the camera is not used, turn off the camera power.
- Please remove the battery if the camera will not be used for long periods. Batteries can lose power over time and are prone to leaking if kept inside the camera.
- Low temperatures (below 0°C) can affect the performance of the battery and you may experience reduced battery life.
- Batteries will usually recover at normal temperatures.
- During extended use of the camera, the camera body may become warm. This is perfectly normal.

## Connecting to a Power Source

You can charge the rechargeable battery SLB-0937 by using the SAC-46 KIT which consists of the AC adapter (SAC-46) and the USB cable (SUC-C2). When the SAC-46 and SUC-C2 are combined, they can be used as an AC cable.

- Using an AC cable
  : Connect the AC adapter(SAC-46) to the USB cable. It can be used as a power cable.
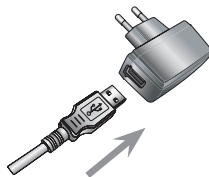
- Using a USB cable
  : Remove the AC adapter (SAC-46).
  You can download stored images to your PC (p.98) or supply the power to your camera through the USB cable.
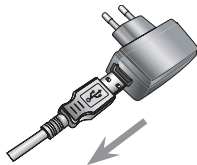
Important information about USB cable usage.

- Use a USB cable (SUC-C2) with the correct specification.
- If the camera is connected to the PC through a USB hub :connect the camera directly to the PC.
- the camera and other devices are connected to the PC at the same time : remove other device.
- If the USB cable is connected to a port located on the front of the PC : remove the cable and connect it to a port located on the back of the PC.
- If the USB port of the PC doesn't meet the Power output standard(5V, 500mA), the camera may not be charged.

## Connecting to a Power Source

■ How to charge the rechargeable battery (SLB-0937)
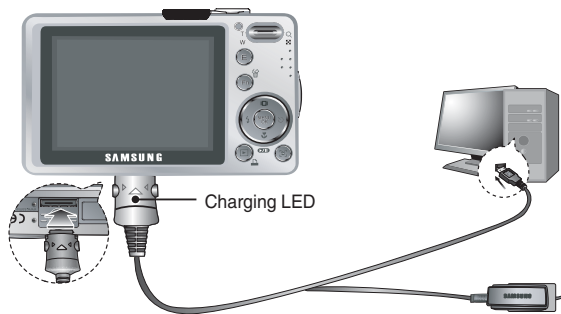


Charging LED

- • Before inserting any cables or AC adapter, check the directions and do not insert by force. It may cause breakage of cable or camera.

- • If the charging LED of the AC Charger does not turn on or blink after inserting the rechargeable battery, please check whether the battery is inserted correctly.

- • If you charge the battery with the camera power on, the battery can't charge fully. Turn the camera off while charging the battery.

■ Charging LED of the AC Adapter

|  | Charging LED |
|---|---|
| Being Charged | Red LED is on |
| Charging is complete | Green LED is on |
| Charging error | Red LED is off or blinking |
| Being discharged (Using the AC adapter) | Orange coloured LED is on |

- If you insert the fully discharged battery to charge it, do not turn on the camera at the same time. The camera may not be turned on because of the low battery capacity. Charge the battery for more than 10 minutes before using the camera.
- Do not use the flash frequently or take a movie clip with the fully discharged battery charged for a short time. Even if the charger is inserted, the camera power may be turned off because the rechargeable battery is discharged again.

## Connecting to a Power Source

■ Insert the battery as shown

- If the camera does not turn on after you have inserted battery, please check whether the battery is inserted with the correct polarity (+ / -).
- When the battery chamber cover is opened, do not press the battery chamber cover by force. This may cause damage to the battery chamber cover.
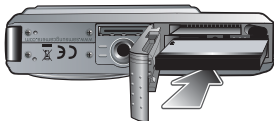
■ There are 4 indicators for battery condition that are displayed on the LCD monitor.

| Battery indicator | 📶 | 📶 | 📶 | 🔋 |
|---|---|---|---|---|
| Battery status | The battery is fully charged | Low battery capacity (Prepare to recharge or use spare battery) | Low battery capacity (Prepare to recharge or use spare battery) | Battery empty (Recharge or use spare battery) |

## Inserting the memory card

■ Insert the memory card as shown.

- Turn off the camera's power before inserting the memory card.
- Have the front of the memory card facing toward the front of the camera (Lens) and the card pins toward the back of the camera (LCD monitor).
- Do not insert the memory card the wrong way round. Doing so may damage the memory card slot.
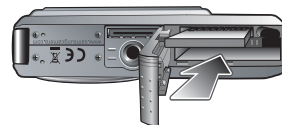
## Instructions on how to use the memory card

- Be sure to format the memory card (see p.58) if you are using a newly purchased memory card for the first time, if it contains data that the camera cannot recognise, or if it contains images captured with a different camera.

- Turn off the camera power whenever the memory card is being inserted or removed.

- Repeated use of the memory card will eventually reduce the memory card's performance. Should this be the case, you will need to purchase a new memory card. Wear and tear on the memory card is not covered by the Samsung warranty.

- The memory card is an electronic precision device.
Do not bend, drop or subject the memory card to any heavy impact.

- Do not store the memory card in an environment with strong electronic or magnetic fields, e.g. near loud speakers or TV receivers.

- Please do not use or store in an environment where there are extremes in temperature.

- Do not allow the memory card to become dirty or to come into contact with any liquid. Should this happen, clean the memory card with a soft cloth.

- Please keep the memory card in its case when not in use.

- During and after periods of extended use, you may notice that the memory card is warm. This is perfectly normal.

- Do not use a memory card that is used in another digital camera. To use the memory card in this camera, format the memory card using this camera.

- Do not use a memory card formatted by another digital camera or memory card reader.

- If the memory card is subjected to any of the following, the recorded data may become corrupted :

  - When the memory card is used incorrectly.

  - If the power is switched off or the memory card is removed while recording, deleting (formatting) or reading.

- Samsung cannot be held responsible for lost data.

- It is advisable to copy important data onto other media as back-up e.g. floppy disks, hard disks, CD etc.

- If there is insufficient memory available :
A [Memory Full!] message will appear and the camera will not operate. To optimise the amount of memory in the camera, replace the memory card or delete unnecessary images stored on the memory card.

- Don't remove the memory card when the camera status lamp is blinking as this may cause damage to data in the memory card.

## Instructions on how to use the memory card

The camera can use SD/ SDHC Memory Cards and MMC (Multi Media Cards).



Card pins
Write protect switch
Label
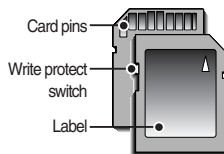
[SD (Secure Digital) memory card]

The SD/ SDHC memory card has a write protect switch that prevents image files from being deleted or formatted. By sliding the switch to the bottom of the SD memory card, the data will be protected. By sliding the switch to the top of the SD memory card, the data protection will be cancelled.
Slide the switch to the top of the SD memory card before taking a picture.

When using a 256MB MMC memory, the specified shooting capacity will be as follows. These figures are approximate as image capacities can be affected by variables such as subject matter and memory card type.

- L830

| Recorded image size | | Super Fine | Fine | Normal | 30FPS | 20FPS | 15FPS |
|---|---|---|---|---|---|---|---|
| Still image | 8ᴹ | 53 | 104 | 151 | - | - | - |
| | 7ᴹ | 63 | 118 | 197 | - | - | - |
| | 6ᴹ | 76 | 144 | 223 | - | - | - |
| | 5ᴹ | 94 | 181 | 256 | - | - | - |
| | 3ᴹ | 142 | 264 | 363 | - | - | - |
| | 1ᴹ | 459 | 710 | 822 | - | - | - |
| *Movie clip | 800 | - | - | - | - | About 8'48" | - |
| | 640 | - | - | - | About 9'02" | - | About 17'37" |
| | 320 | - | - | - | About 36'36" | - | About 60'21" |

- L730

| Recorded image size | | Super Fine | Fine | Normal | 30FPS | 20FPS | 15FPS |
|---|---|---|---|---|---|---|---|
| Still image | 7ᴹ | 67 | 128 | 188 | - | - | - |
| | 6ᴹ | 80 | 157 | 223 | - | - | - |
| | 5ᴹ | 95 | 183 | 269 | | | |
| | 5ᴹ | 95 | 183 | 269 | - | - | - |
| | 3ᴹ | 142 | 269 | 363 | - | - | - |
| | 1ᴹ | 459 | 710 | 822 | - | - | - |
| *Movie clip | 800 | - | - | - | - | About 8'48" | - |
| | 640 | - | - | - | About 9'02" | - | About 17'37" |
| | 320 | - | - | - | About 36'36" | - | About 60'21" |

※ The recording times can be changed by the zoom operation.
The zoom button doesn't function during the movie recording.

# When Using the Camera for the First Time

■ Charge the rechargeable battery fully before using the camera for the first time.

■ When the camera is turned on for the first time, a menu will be displayed to set date / time and language in the LCD monitor. This menu will not be displayed after setting up. Set up the date / time and language before using this camera.

## Setting up the Language

1. Select the [Language] menu by pressing the UP/ DOWN button and press the RIGHT button.

2. Select the desired sub menu by pressing the UP / DOWN button and press the OK button.
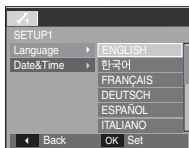
> • You can select one of 22 languages. These are listed below :
>   - English, Korean, French, German, Spanish, Italian, S.Chinese, T.Chinese, Japanese, Russian, Portuguese, Dutch, Danish, Swedish, Finnish, Thai, Bahasa (Malay/ Indonesian), Arabic, Czech, Polish, Hungarian and Turkish.
> • Even if the camera is restarted, the language setting will be maintained.

## Setting up the date, time and date type

1. Select the [Date&Time] menu by pressing the UP/ DOWN button and press the RIGHT button.

2. Select the desired sub menu by pressing the UP/ DOWN/ LEFT/ RIGHT button and press the OK button.
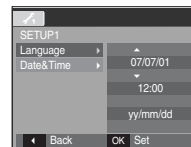
   RIGHT button : Selects YEAR/ MONTH/ DAY/HOUR/ MINUTE/ DATE TYPE

   LEFT button : Moves the cursor to the [Date&Time] main menu if the cursor is at the first item of the date and time setup. In all other instances, the cursor will be shifted to the left of its current position.

   UP/ DOWN button : Changes the value of each item.

# LCD monitor indicator

- The LCD monitor displays information about the shooting functions and selections.



[Image & Full Status]

| No. | Description | Icons | Page |
|-----|-------------|-------|------|
| 1 | Recording mode | (icons) | p.11 |
| 2 | Color / Saturation | (icons) / | p.35/36 |
| 3 | Face Recognition | (icon) | p.33 |
| 4 | Flash | ⚡A ⦿ ⚡ ⚡S ⊘ (icon) | p.31 |
| 5 | Self-timer | ⟳ ⟳²ˢ ⟳ | p.32 |
| 6 | Macro | ⚘ ⚘ | p.27 |

| No. | Description | Icons | Page |
|-----|-------------|-------|------|
| 7 | Contrast | ◑ ● | p.48 |
| 8 | Sharpness | (icons) | p.48 |
| 9 | Auto Focus Frame | ☐ | p.48 |
| 10 | Camera shake Warning | (icon) | p.21 |
| 11 | Date / Time | 2007/07/01　01:00 PM | p.54 |
| 12 | Exposure compensation | ± | p.46 |
| 13 | White Balance | AWB ☀ ☁ 💡 💡 ☀ ↓ | p.45 |
| 14 | ISO | L830 | (icons) | p.44 |
| | | L730 | (icons) | |
| 15 | Drive mode / Stabiliser | (icons) | p.43/46 |
| 16 | Metering | ▣ ⊡ | p.43 |
| 17 | Image Quality / Frame Rate | (icons) 30 20 15 | p.42 |
| 18 | Image Size | L830 | (icons) | p.42 |
| | | L730 | (icons) | |
| 19 | Battery | (icons) | p.15 |
| 20 | Optical / Digital Zoom bar / Digital Zoom rate | (bar) x 5.0 | p.26 |
| 21 | Voice Memo/Mic. Off | 🎤 / (icon) | p.49/50 |
| 22 | Number of available shots remaining / Remaining time | 6/00:00:00 | p.17 |
| 23 | Memory card icon / Internal memory icon | ▭ / INT | - |

# Starting the recording mode

## How to use the AUTO mode

Please select this mode for quick and easy picture taking with minimal user interaction.

1. Insert the batteries (p.15). Insert the batteries taking note of the polarity (+ / -).

2. Insert the memory card (p.15). As this camera has a 10MB internal memory, you do not need to insert the memory card. If the memory card is not inserted, an image will be stored in the internal memory. If the memory card is inserted, an image will be stored on the memory card.

3. Close the battery chamber cover.

4. Press the power button to turn on the camera. (If the date/ time that is displayed on the LCD monitor is incorrect, reset the date/ time before taking a picture.)

5. Select the AUTO mode by rotating the mode dial.

6. Point the camera towards the subject and compose the image by using the LCD monitor.

7. Press the shutter button to capture an image.

- • If the auto focus frame turns to red when you press the shutter button down half way, it means that the camera cannot focus on the subject. Should this be the case, the camera is unable to capture an image clearly.

- • Avoid obstructing the lens or the flash when you capture an image.

## How to use the PROGRAM mode

Selecting the automatic mode will configure the camera with optimal settings. You can still manually configure all functions except the aperture value and shutter speed.

1. Select the PROGRAM mode by rotating the mode dial.

2. Press the Fn button to configure advanced functions such as Image Size (p.42), Quality (p.42), Metering (p.43), Drive mode (p.43), ISO (p.44), White Balance (p.45), and Exposure Value(p.46).

# Starting the recording mode

## How to use the ASR mode

This mode will reduce the effect of camera shake and help you get a well-exposed image in dim conditions.

1. Select the ASR mode by rotating the Mode dial.

2. Point the camera towards the subject and compose the image by using the LCD monitor.

3. Press the shutter button to capture an image.
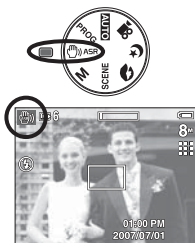
- Things to watch out for using the ASR mode

  - The digital zoom will not operate in the ASR mode.

  - If the lighting condition is brighter than fluorescent lighting conditions, the ASR will not activate.

  - If the lighting condition is darker than in fluorescent lighting conditions, camera shake warning indicator ( ) will display. For best results only take pictures in situations where the camera shake warning indicator ( ) is not displayed.

  - If the subject is moving, the captured image may be blurred.

  - Avoid moving the camera while the [Capturing!] message is displayed to achieve a better result.

  - As the ASR uses the camera's digital signal processor, it may take a little longer for the camera to process and save the images.

  - L830 : If the image size is [ ] or [ ], the ASR mode can't be selected.

  - L730 : If the image size is [ ] or [ ], the ASR mode can't be selected.

## How to use the MANUAL mode

You can manually configure all functions aperture value and shutter speed.

1. Select the MANUAL mode by rotating the mode dial.

2. Press the Fn button and menu for the shutter speed and aperture value will display.
   Up / Down button : changes aperture value
   Left / Right button : changes shutter speed.

3. Press the Fn button twice and take an image.
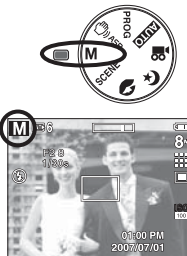
※ Smaller Aperture values make the object sharp but blur the background. Larger Aperture values make both the object and background sharp.

※ High Shutter speeds can capture a moving object in a still image as if the object is not moving. Low Shutter speeds can capture a moving object with an 'active' effect.

# Starting the recording mode

## How to use the SCENE modes

Use the menu to easily configure optimal settings for a variety of shooting situations.

1. Select the Scene mode by rotating the Mode dial.

2. Point the camera towards the subject and compose the image by using the LCD monitor.

3. Press the shutter button to capture an image.

- The scene modes are listed below.

[Children] ( ![icon] ) : To take a picture of fast moving objects, for example, children.

[Landscape] ( ![icon] ) : To take pictures of distant scenery.

[Close Up] ( ![icon] ) : Close-up shooting for small objects such as plants and insects.

[Text] ( ![icon] ) : Use this mode to shoot a document.

[Sunset] ( ![icon] ) : For taking pictures of sunsets.

[Dawn] ( ![icon] ) : Daybreak scenes.

[Backlight] ( ![icon] ) : Portrait without shadows caused by backlight.

[Firework] ( ![icon] ) : Firework scenes.

[Beach & Snow] ( ![icon] ) : For ocean, lake, beach and snowscape scenes.

## Portrait, Night scene mode

Select a desired mode by rotating the mode dial.

- Portrait : To take a picture of a person.

- Night : Use this for shooting still images at night or in other dark conditions.

[PORTRAIT mode]

[NIGHT mode]

# Starting the recording mode

## How to use the MOVIE CLIP mode

A movie clip can be recorded for as long as the available recording time of the memory capacity allows.

1. Select the Movie clip mode by rotating the Mode dial.

2. Point the camera towards the subject and compose the image by using the LCD monitor.

3. Press the shutter button once and movie clips are recorded for as long as the available recording time allows. Movie clips will still be recorded if the shutter button

is released. If you wish to stop recording, press the shutter button again.

※ Image size and type are listed below.
   - Image size        : 800x592, 640x480, 320x240(Selectable)
   - Movie clip file type : AVI (MPEG-4)
   - Frame Rate        : 30FPS, 20FPS, 15FPS
   - When the 800X592 image size is selected, the 30FPS and 15FPS can't be selected. And when the 640x480 or 320x240 image size is selected, 20FPS can't be selected.

## Recording the movie clip without sound

You can record the movie clip without sound.

Steps from 1-3 are the same as those for MOVIE CLIP mode.

4. Press the Menu button.
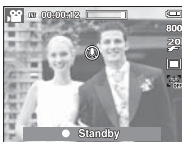
5. Select the [RECORDING] menu by pressing the Left / Right button.
6. Press the Down button to select the [Voice Mute] menu and press the Right button.
7. Select the [On] menu by pressing the Up / Down button.
8. Press the OK button. You can record a movie without sound.

## Pausing while recording a movie clip (Successive Recording)

This camera allows you to temporarily stop during unwanted scenes, while recording a movie clip. Using this function, you can record your favourite scenes into a movie clip without having to create multiple movie clips.

■ Using Successive Recording

Steps from 1-2 are the same as those for MOVIE CLIP mode.

3. Point the camera towards the subject and compose the image by using the LCD monitor. Press the shutter button and movie clips are recorded for as long as the available recording time. Movie clips will still be recorded if the shutter button is released.

4. Press the Pause button ( ) to pause recording.
5. Press the Pause button ( ) again to resume the recording.
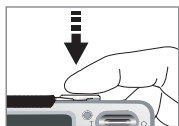6. If you wish to stop recording, press the shutter button again.
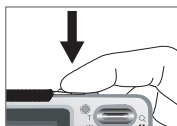
## Things to Watch Out for When Taking Pictures

• Pressing the shutter button down half way.

Lightly press the shutter button to confirm focus and flash battery charge. Press the shutter button all way down to take the picture.

[Lightly press the shutter button]    [Press the shutter button]

• The available memory capacity may vary depending on shooting conditions and camera settings.

• When the Flash Off or Slow synchro mode is selected in a low lighting condition, the camera shake warning indicator ( ⚠ ) may appear on the LCD monitor. In this case, use a tripod, support the camera on a solid surface or change to flash shot mode.

• Shooting against the light : Please do not take pictures against the sun. Doing so may make the picture dark. To take a picture against the light, please use the [BACKLIGHT] in the scene shooting mode (see page 22), fill-in flash (see page 30), spot metering (see page 43), or exposure compensation (see page 46).

• Avoid obstructing the lens or the flash when you capture an image.

• Compose the image by using the LCD monitor.

• Under certain conditions the auto focus system may not perform as expected.

- When photographing a subject that has little contrast.
- If the subject is highly reflective or shiny.
- If the subject is moving at high speed.
- When there is strong reflected light, or when the background is very bright.
- When the subject matter has only horizontal lines or the subject is very narrow (such as a stick or flagpole).
- When the surroundings are dark.

# Using the camera buttons to set the camera

The recording mode function can be set up by using the camera buttons.

## POWER button

Used for turning the camera's power on / off.

If there is no operation during the specified time, the camera's power will be turned off automatically to save battery life.
Refer to page 56 for more information about the auto power off function.

## SHUTTER button

Used for taking an image or recording voice in the RECORDING mode.

• In MOVIE CLIP mode

Pressing the shutter button down fully starts the process for recording a movie clip.
Press the shutter button once and the movie clip is recorded for as long as the available recording time in the memory allows. If you wish to stop recording, press the shutter button again.

• In STILL IMAGE mode

Pressing the shutter button down halfway activates the autofocus and checks the condition of the flash. Pressing the shutter button down fully takes and stores the image. If you select voice memo recording, the recording will start after the camera has finished storing the image data.

# ZOOM W / T button

If the menu is not displayed, this button works as the OPTICAL ZOOM or DIGITAL ZOOM button. This camera has a 3X optical zoom and a 5X digital zoom function.
Using both will offer a total zoom ratio of 15X.

▪ **TELE Zoom**

Optical zoom TELE : Pressing the ZOOM T button. This will zoom into the subject i.e. the subject will appear nearer.

Digital zoom TELE : When the maximum (3X) optical zoom is selected, pressing the ZOOM T button activates the digital zoom software. Releasing ZOOM T button stops the digital zooming at the required setting. Once the maximum digital zoom (5X) is achieved, pressing the ZOOM T button will have no effect.
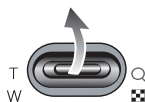
[WIDE zoom]  →  Pressing the ZOOM T button  →  [TELE zoom]  →  Pressing the ZOOM T button  →  [Digital zoom 5.0X]

# ZOOM W / T button

- WIDE Zoom

  Optical zoom WIDE : Pressing the ZOOM W button. This will zoom
  out from the subject i.e. the subject will appear
  further away. Pressing the ZOOM W button
  continuously will set the camera to its minimum
  zoom setting i.e. the subject appears at its
  furthest from the camera.

[TELE zoom]    Pressing the ZOOM W button →    [Optical zoom 2X]    Pressing the ZOOM W button →    [WIDE zoom]
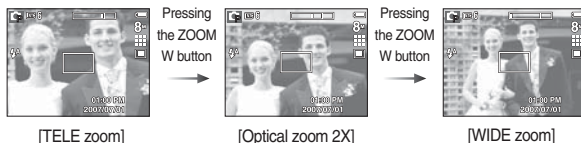
  Digital zoom WIDE : When the digital zoom is in operation, pressing
  the ZOOM W button will reduce the digital
  zooming in steps. Releasing ZOOM W button
  stops digital zooming. Pressing the ZOOM W
  button will reduce the digital zoom and then it
  will continue to reduce the optical zoom until the
  minimum setting is reached.

Optical zoom

X5.0

Digital zoom

[Digital zoom 5.0X]    Pressing the ZOOM W button →    [TELE zoom]    Pressing the ZOOM W button →    [WIDE zoom]
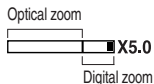
- Images taken using the digital zoom may take a little longer for the
  camera to process. Allow time for this to take place.
- The digital zoom cannot be used in movie clip shots.
- You may notice a decrease in image quality when using the digital
  zoom.
- To view a clearer digital zoom image, press the shutter button
  halfway at the maximum optical zoom position and press the zoom
  T button again.
- The digital zoom can't be activated in some Scene modes (Children,
  Text, Close-up, Fireworks), Night  mode, Motion Capture mode,
  ASR mode, movie clip mode and Face recognition.
- Take care not to press the lens as this may cause a camera
  malfunction.
- If the Zoom buttons are being pressed during the Movie clip shots,
  the voice will not recorded.

# Info ( ▢ ) / Up button

While the menu is showing, the Up button operates as a direction button. In the recording modes or playback mode, pressing this button will display the image information.



Info ( ▢ ) button
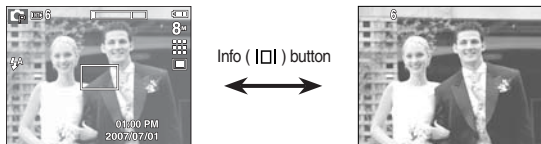
# Macro ( ♥ ) / Down button

While the menu is showing, press the DOWN button to move from the main menu to a sub menu, or to move down the sub menu. When the menu is not showing, you can use the MACRO / DOWN button to take macro pictures.

The distance ranges are shown below. Press the Macro button until the desired macro mode indicator appears on the LCD monitor.



[Auto Focus]



[Macro ( ♥ )]



[Auto Macro ( ♥ )]

# Macro ( ✿ ) / Down button

■ Types of focus mode and focus range (W : Wide, T : Tele)

(Unit: cm)

| Mode | Auto ( 🔲 ) | | Program ( 🔳 ) | |
|---|---|---|---|---|
| Focus Type | Auto macro ( ✿ ) | Normal | Macro ( ✿ ) | Normal |
| Focus range | W : 10~Infinity  T : 50~Infinity | W : 80~Infinity  T : 80~Infinity | W : 10~80  T : 50~80 | W : 80~Infinity  T : 80~Infinity |

📝
- When the macro mode is selected, be particularly careful to avoid camera shake.
- When you take a picture within 20cm (Wide zoom) or 50cm (Tele zoom) in the Macro mode, select the FLASH OFF mode.
- When you take a picture within the 10cm macro range, the auto-focus on the camera will take longer to set the correct focus distance.

■ Available focusing method, by recording mode

( ● : Selectable, ∞ : Infinity focus range)

| Mode | Auto macro | Macro | Normal |
|---|---|---|---|
| 🔲 | ● | | ● |
| 🔳 | | ● | ● |
| 🖐 | ● | | ● |
| M | | ● | ● |
| ◐ | | | ● |
| ⏱ | | | ● |
| 🎬 | | ● | ● |

| Mode | SCENE | | |
|---|---|---|---|
| | Auto macro | Macro | Normal |
| 👤 | | | ● |
| ⛰ | | | ● |
| ✿ | | ● | |
| T | ● | | |
| 🍴 | | | ● |
| 🕯 | | | ● |
| 🏖 | | | ● |
| 🎆 | | | ∞ |
| 🎇 | | | ● |

«28»

# Focus lock

To focus on a subject not positioned in the centre of the picture, use the focus lock function.

■ Using the Focus Lock

1. Ensure the subject is in the centre of the autofocus frame.

2. Press the SHUTTER button halfway. When the green auto focus frame lights up, it means the camera is focused on the subject. Be careful not to press the SHUTTER button all the way down to avoid taking an unwanted picture.

3. With the SHUTTER button still pressed down only halfway, move the camera to recompose your picture as desired, and then press the SHUTTER button completely to take the picture. If you release your finger from the SHUTTER button, the focus lock function will be cancelled.



1. The image to be captured.

2. Press the SHUTTER button halfway and focus on the subject.

3. Recompose the picture and fully depress the SHUTTER button.

# Flash ( ⚡ ) / Left button

When the menu is displayed on the LCD monitor, pressing the LEFT button makes the cursor shift to the left tab.
When the menu is not displayed on the LCD monitor, the LEFT button operates as the FLASH button.



[Selecting the Auto flash]

■ Selecting the flash mode

1. Press the Mode button to select a RECORDING mode with the exception of the Movie clip mode or the ASR mode.

2. Press the Flash button until the desired flash mode indicator is displayed on the LCD monitor.

3. A flash mode indicator will be displayed on the LCD monitor. Use the correct flash to suit the environment.

■ Flash range                                                                (Unit: m)

| ISO | Normal | | Macro | | Auto macro | |
|-----|--------|------|-------|------|------------|------|
|     | WIDE   | TELE | WIDE  | TELE | WIDE       | TELE |
| AUTO | 0.3 ~ 4.6 | 0.5 ~ 2.6 | 0.2 ~ 0.8 | 0.5 ~ 0.8 | 0.2 ~ 4.6 | 0.5 ~ 2.6 |

# Flash ( ⚡ ) / Left button

📝 • If you press the shutter button after selecting the Auto, Fill-in, Slow synchro flash, the first flash fires to check the shooting condition (Flash range and Power ratio of flash).
Do not move the camera until the second flash fires.

• Using the flash frequently will reduce the life of the battery.

• Under normal operating conditions the re-charging time for the flash is usually within 4 seconds. If the battery is weak, the charging time will be longer.

• In the ASR mode, [Landscape], [Close up], [Text], [Sunset], [Dawn], [Firework] scene modes and the Movie clip mode, the flash function will not operate.
(Exceptionally, the flash function will operate when you use the wise shot in the ASR mode)

• Take photographs within the flash range.

• The image quality is not guaranteed if the subject is too close or highly reflective.

• When taking an image in poorly lit conditions with the flash, there may be a white speck in the captured image. The speck is caused by the flash light reflecting off atmospheric dust.

■ Flash mode indicator

| Icon | Flash mode | Description |
|------|-----------|-------------|
| ⚡A | Auto flash | If the subject or background is dark, the camera flash will operate automatically. |
| ⊙ | Auto & Red eye reduction | If a subject or background is dark, the camera flash will work automatically and will reduce the red-eye effect by using the red-eye reduction function. |
| ⚡ | Fill in flash | The flash fires regardless of the available light. The intensity of the flash will be automatically controlled to suit the prevailing conditions. |
| ⚡S | Slow synchro | The flash operates with a slow shutter speed to obtain a balanced correct exposure. In poor lighting conditions the camera shake warning indicator ( ⚠ ) will display on the LCD monitor. |
| ⊘ | Flash off | The flash does not fire. Select this mode when capturing images in a place or situation where flash photography is prohibited. When you capture an image in a poorly lit condition, the camera shake warning indicator ( ⚠ ) will appear on the LCD monitor. |
| ⊗ | Red-eye reduction | When a shot with "red eye" is detected, this mode will reduce the red-eye effect automatically. |

# Flash ( ⚡ ) / Left button

■ Available flash mode, by recording mode

( ●: Selectable)

| | ⚡$^A$ | ⊙ | ⚡ | ⚡$^S$ | ⚡ | ⊘ |
|---|---|---|---|---|---|---|
| ⬛ | ● | ● | | | ● | ● |
| ⬛ | ● | ● | ● | ● | ● | ● |
| ⬛ | | | | | ● | |
| M | | | ● | | ● | |
| ⬛ | | ● | | | ● | ● |
| ⬛ | | | | ● | ● | ● |
| ⬛ | | | | | ● | |
| ⬛ | | ● | | | ● | ● |
| ⬛ | | | | | ● | |
| ⬛ | | | | | ● | |
| T | | | | | ● | |
| ⬛ | | | | | ● | |
| ⬛ | | | | | ● | |
| ⬛ | | | ● | | | |
| ⬛ | | | | | ● | |
| ⬛ | ● | | | | | |

# Self-timer ( ⟳ ) / Right button

When the menu is displayed on the LCD monitor, pressing the Right button makes the cursor shift to the right tab.

When the menu is not displayed on the LCD monitor, the RIGHT button operates as the Self-timer ( ⟳ ) button. This function is used when the photographer would also like to be in the image.

- If you operate the Self-timer button during the self-timer operation, the self-timer function is cancelled.
- Use a tripod to prevent the camera from shaking.
- In Movie Clip mode, only the 10SEC self-timer will work.

# Self-timer ( ) / Right button

■ Selecting the self-timer

1. Select a RECORDING mode with the exception of VOICE RECORDING mode.
2. Press the SELF-TIMER ( ) button until the desired mode indicator displays on the LCD monitor. A 10 second, 2 second, or Double self-timer icon appears on the LCD monitor.

[Selecting the 10 SEC self-timer]

- 2SEC self-timer ( ):
  Pressing the shutter button will allow an interval of 2 seconds before the image is taken.

- 10SEC self-timer ( ):
  Pressing the shutter button will allow an interval of 10 seconds before the image is taken.

- Double self-timer ( ):
  A picture will be taken after about 10 seconds and 2 seconds later a second picture will be taken. When using the flash, the 2-second self-timer may be delayed for longer than 2 seconds depending on the flash charging time.

3. When you press the SHUTTER button, the picture will be taken after the specified time has elapsed.

- If you operate the Self-timer button during the self-timer operation, the self-timer function is cancelled.
- Use a tripod to prevent the camera from shaking.

# MENU / OK button

■ MENU button

- When you press the MENU button, a menu related to each camera mode will be displayed on the LCD monitor. Pressing it again will return the LCD to the initial display.

- A menu option can be displayed when the following are selected : MOVIE CLIP and STILL IMAGE mode. There is no menu available when the VOICE RECORDING mode is selected.

[Pressing the MENU button]

[Menu off]                    [Menu on]

■ OK button

- When the menu is displayed on the LCD monitor, this button is used for shifting the cursor to the sub menu or for confirming data.

# Face recognition(FR) button

This mode detects the face position of the subject automatically and then sets the focus and exposure. Select this mode for quick and easy face portraits.

※ Selectable modes : Auto, Program, ASR, Manual, Portrait, Scene modes (Children, Beach & Snow )

1. Press the FR (Face Recognition) button ( ) in the selectable modes.
   The FR icon will be displayed on the left side of the screen.

2. The size and position of the auto focus frame is set on the face of the subject automatically.

3. Press the shutter button halfway. The focus frame turns to green when the focus is activated.

4. Press the shutter button fully to take a picture.

- This function can detect up to 9 people.
- When the camera recognises many people at the same time, it will focus on the nearest person.
- The Digital zoom is not activated in this mode.
- The effects functions are not activated in this mode.
- When the camera detects a target face, the white colour focus frame will be displayed over the target face and the gray colour focus frame appears over the remaining faces(up to 8). Press the shutter button halfway down to focus on the face and the white focus frame turns green.(Total 9)
- Return to previous AF mode if face detection was failure.
- In some conditions this function cannot work properly.
  - When a person wears dark glasses or some part of the face is hidden
  - When the person being photographed does not look at the camera.
- The maximum available Face Recognition range is 3.1m (Wide).
- The nearer the subject, the faster the camera can recognize the subject.

# E (Effect) button

It is possible to add special effects to your images by using this button.

- Still image mode : You can select the colour, image editing and Fun menu. In the Auto mode, you can select the [COLOR] menu only.
- Movie clip mode : You can select the colour menu.
- Available Effects, by recording mode

( ● : Selectable )

| | 🎨 | 🖾 | 🙂 | | |
|---|---|---|---|---|---|
| | | | 🔳 | 🔲 | 🅰 |
| 📷 | ● | | | | |
| 🅶 | ● | ● | ● | ● | ● |
| Ⓜ | ● | ● | ● | ● | ● |
| 🅽 | ● | ● | ● | ● | ● |
| 🎬 | ● | | | | |
| 👤 | ● | ● | ● | ● | ● |
| 🏔 | ● | ● | ● | ● | ● |
| 🌺 | ● | ● | ● | ● | ● |

📝
- This button will not operate in ASR, Night, Voice recording mode and some scene modes (Text, Sunset, Dawn, Backlight, Fireworks, Beach&Snow).
- Even if the camera is turned off, the effect setting will be preserved. To cancel the special effect, select NOR sub menu in the Colour menu and select the OFF sub menu in the rest effect menus.
- L830 : If the image size is 🖾 or 🖾, the FUN menu can't be selected.
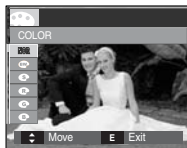- L730 : If the image size is 🖾 or 🖾, the FUN menu can't be selected.

# E (Effect) button : Colour

By using the camera's digital processor, it is possible to add special effects to your images

■ Press the E button in an available recording mode. (p.34)
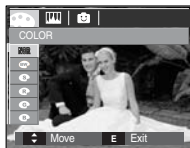


[Still image mode]  [Movie clip mode]

1. Select a desired sub menu by pressing the Up/Down button and press the OK button.

   NOR : No effect is added to the image.

   BW : Captured images will be stored in black and white.

   S : Captured images will be stored in a sepia tone (a gradient of yellowish brown colours).

   R : Captured images will be stored in a red tone.
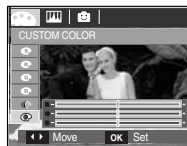
   G : Captured images will be stored in a green tone.

   B : Captured images will be stored in a blue tone.

   ○ : Save the image in negative mode.

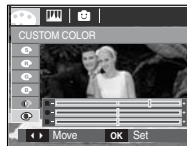   C : Captured image will be saved in set RGB tone.

2. Press the shutter button to capture an image.

■ Custom colour : You can change the R (Red), G (Green) and B (Blue) values of the image.



- Up/Down button : Selects R, G, B
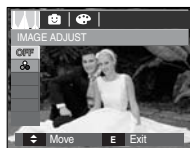- Left/Right button : Changes the values



※ In the Auto mode, the Custom Color can't be selected.

# E (Effect) button : Saturation

You can change the saturation of the image.

■ Press the E button in an available recording mode. (p.34)
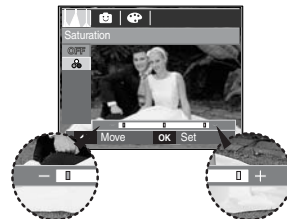
Select Saturation menu ( ) and a bar for changing the saturation will be displayed.

Bar for changing the saturation

Change the saturation by pressing the Left/Right button.

+ direction: High saturation (The colour will be intense)
- direction: Low saturation (The colour will be subtle)

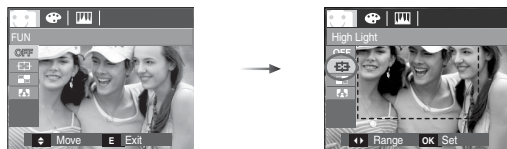Press the Shutter button to take a picture.

[Final Image]

Press the OK button and the saturation of image will be changed.

# E (Effect) button : FUN

## Pre-set focus frame

You can make the subject stand out from its surroundings. The subject will be sharp and in focus while making the rest out of focus.

■ Press the E button in an available recording mode. (p.34)



1. Select a proper menu by pressing the Left/Right button and press the OK button.



[Range 1]    [Range 2]    [Range 3]    [Range 4]

2. The preset focus frame will appear. Press the shutter button to capture an image.



■ Moving and changing the focus frame
You can change the focus frame after selecting a Range menu.



[Point the camera towards the subject and compose the image by using the LCD monitor.]

Pressing the Fn button

[The range is activated : The colour of focus frame turns white.]

Pressing the Up/Down/Left/Right button



Pressing the Fn button

[After changing the range]

Pressing the shutter button
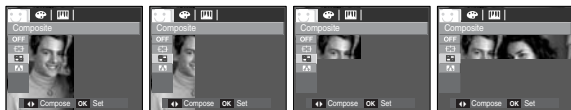


[Final image]

# E (Effect) button : FUN

## Composite shooting

You can combine 2 ~ 4 different shots in a still image.

■ Press the E button in an available recording mode. (p.34)



1. Select a desired menu by pressing Left/Right button and press the OK button.
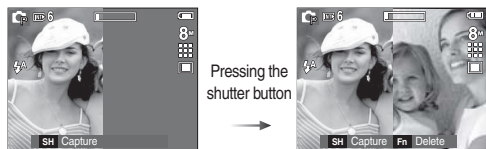


[Composite 1]　　[Composite 2]　　[Composite 3]　　[Composite 4]

2. After selecting a desired menu, press the shutter button to take a picture.

※ Selecting 2 composite shots



[Ready for taking]　　　　　　　[First shot]

Pressing the shutter button



[The final picture]　　　　　　　[Second shot]

After taking the last image, press the OK button to save the image.

- You can use the flash, self-timer, macro focus and the Zoom W / T button during the composite shooting.
- If you press the Play mode, MENU, E button or turn Mode button dial during the composite shots, each camera working mode is executed. The previously captured images will be deleted.

# E (Effect) button : FUN

- Changing a part of composite shot before taking the last shot
  Before taking the last composite shot, you can change a part of composite shot.
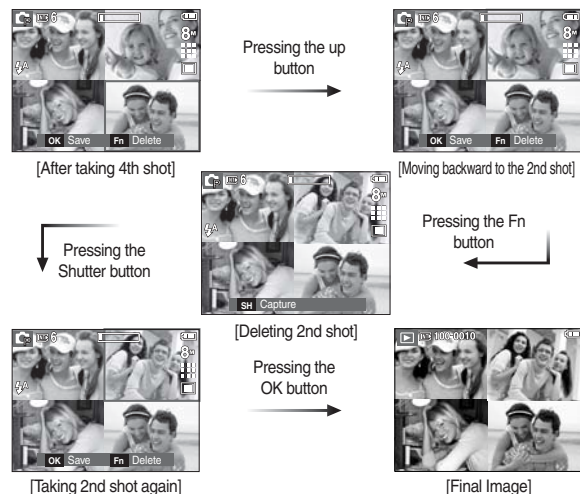
  1. During the composite shots, press the Fn button.
  2. A previous image will be deleted and new frame will be displayed. To delete a previously taken image, press the Fn button again.



Pressing the Fn button

[Before taking the 3rd shot]　　　　[Moving backward to the 2nd shot]

  3. Press the shutter button to capture a new image.

- Changing a part of composite shot after taking the last shot

  1. After taking the last shot, a cursor to select a frame will appear. Press the Up/Down/Left/Right button to select the frame.
  2. Press the Fn button and an image will be deleted. Composite frame will be activated.
  3. Press the Shutter button. You can take other images again by using the Press the Up/Down/Left/Right button and Fn button.
  4. Press the OK button again to save the captured image.



[After taking 4th shot]

Pressing the up button

[Moving backward to the 2nd shot]

Pressing the Shutter button

[Deleting 2nd shot]

Pressing the Fn button

[Taking 2nd shot again]

Pressing the OK button

[Final Image]

# E (Effect) button : FUN

## Photo Frame

You can add 9 types of frame-like borders to a still image you want to capture.
Date & Time information will not be printed on the stored image taken with Photo Frame menu.

■ Press the E button in an available recording mode. (p.34)



Pressing the OK button

Pressing the Fn button
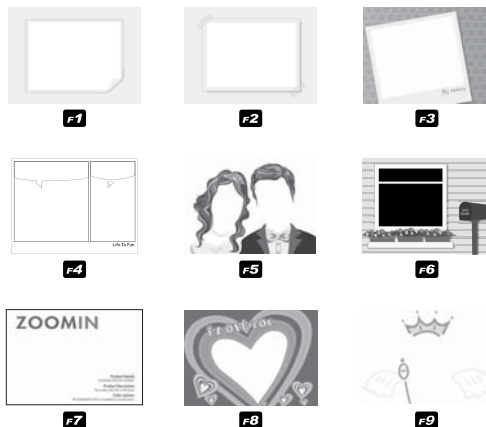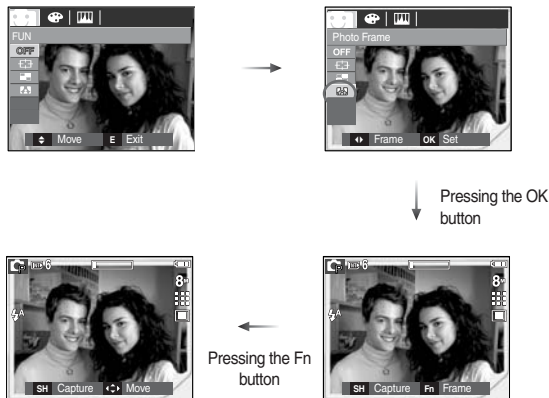


1. The selected photo frame will be displayed. Press the shutter button to take a picture.

# Fn button

You can use the Fn button to set the following menus.

( ● : Selectable)

|  | ⬛ | 🅖 | ✋ | M | SCENE | ◐ | ☾ | 📷 | Page |
|---|---|---|---|---|---|---|---|---|---|
| Size | ● | ● | ● | ● | ● | ● | ● | ● | p.42 |
| Quality/ Frame rate | ● | ● | ● | ● | ● | ● | ● | ● | p.42 |
| Metering |  | ● |  | ● |  |  |  | ● | p.43 |
| Drive |  | ● | ● | ● | *1 ● |  |  |  | p.43 |
| ISO |  | ● |  | ● |  |  |  |  | p.44 |
| White Balance |  | ● |  | ● |  |  |  | ● | p.45 |
| EV |  | ● |  |  |  |  |  | ● | p.46 |
| Stabilisation |  |  |  |  |  |  |  | ● | p.46 |

*1. This menu is only available in the Children scene mode ( 📷 ).

## How to use the Fn menu

1. Press the Fn button in an available mode.

2. Select a desired menu by pressing the Up / Down button. And then a sub menu will be displayed at the bottom left of the LCD monitor.



Up / Down button
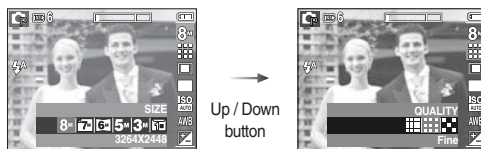
3. Select a desired menu by pressing the Left / Right button and then press the OK button.



Left / Right button
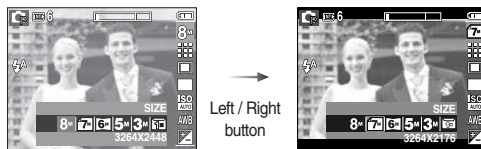
# Size

You can select the image size appropriate for your application.

**- L830**

| Still image mode | Icon | 8ᴹ | 7ᴹ | 6ᴹ | 5ᴹ | 3ᴹ | 1ᴹ |
|---|---|---|---|---|---|---|---|
| | Size | 3264 x 2448 | 3264 x 2176 | 3264 x 1836 | 2592 x 1944 | 2048 x 1536 | 1024 x 768 |
| Movie clip mode | Icon | 800 | | 640 | | 320 | |
| | Size | 800 x 592 | | 640 x 480 | | 320 x 240 | |

**- L730**

| Still image mode | Icon | 7ᴹ | 6ᴹ | 5ᴹ | 5ᴹ | 3ᴹ | 1ᴹ |
|---|---|---|---|---|---|---|---|
| | Size | 3072 x 2304 | 3072 x 2048 | 3072 x 1728 | 2592 x 1944 | 2048 x 1536 | 1024 x 768 |
| Movie clip mode | Icon | 800 | | 640 | | 320 | |
| | Size | 800 x 592 | | 640 x 480 | | 320 x 240 | |

[ STILL IMAGE mode ]

[ MOVIE CLIP mode ]

- The higher the resolution, the lower the number of shots available because high resolution images require more memory.
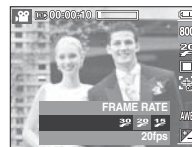
# Quality / Frame rate

You can select the compression ratio appropriate for your application of the captured images. The higher the compression ratio, the lower the picture quality.

| Mode | STILL IMAGE mode | | | MOVIE CLIP mode | | |
|---|---|---|---|---|---|---|
| Icon | ▦ | ▦ | ⠒ | 30 | 20 | 15 |
| Sub menu | Super Fine | Fine | Normal | 30FPS | 20FPS | 15FPS |
| File Format | jpeg | jpeg | jpeg | avi | avi | avi |
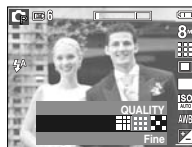
[ STILL IMAGE mode ]

[ MOVIE CLIP mode ]

- This file format complies with the DCF (Design rule for Camera File system).
- JPEG (Joint Photographic Experts Group) :
  JPEG is the image compression standard developed by the Joint Photographic Experts Group. This type of compression is most commonly used for compressing photos and graphics because it can compress the files efficiently.

## Metering

If you cannot obtain suitable exposure conditions, you can change the metering method to take brighter pictures.

[Multi] : Exposure will be calculated based on an average of the available light in the image area. However, the calculation will be biased towards the centre of the image area. This is suitable for general use.
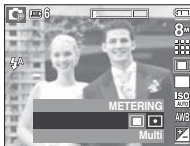
[Spot] : Only the rectangular area in the centre of the LCD monitor will be metered for light. This is suitable when the subject in the centre is exposed correctly, regardless of the back lighting.

※ If the subject is not the centre of the focus area, do not use the spot metering as this may result in an exposure error. In this circumstance, it is better to use exposure compensation.

## Drive mode

You can select continuous shot, and AEB (Auto Exposure Bracketing).

[Single] : Take one picture only.

[Wise Shot] : Two images are taken at a time. One is taken in the Fill-In Flash mode and the other is taken in the ASR mode.

[Continuous] : Images will be taken continuously until the shutter button is released.

[AEB] : Take three pictures in a series in different exposures: standard exposure (0.0EV), short exposure (-1/3EV) and over exposure (+1/3EV).

[Motion Capture] : This takes 6 shots per second, and for max 5 seconds, when the shutter is pressed and held down. The maximum number of shots is 30 and the image size is fixed as VGA.

- High resolution and picture quality increases file saving time, which increases stand-by time.
- If the [Continuous], [AEB] or [Motion Capture] sub menu is selected, the flash will be off automatically.
- If less than 3 pictures are available in the memory, the AEB shooting is not available.
- It is best to use a tripod for the AEB shooting as the time to save each image file is longer and blurring caused by camera shake may occur.
- If less than 30 pictures are availabe in the memory, the Motion Capture shooting is not available.

## Drive mode

■ Wise Shot

  2 images are taken at a time. One is taken
  in the Fill-In Flash mode and the other is
  taken in the ASR mode.

■ How to use the wise shot

  1. Select the ASR mode by rotating the mode
     dial and press the Fn button.

  2. Select Drive menu tab by pressing the Up and Down button.

  3. Press the Shutter button to capture images.

  4. The captured images are saved.

  📝 • In the Wise shot, the shutter speed value shown on the LCD may
         be different from the real shutter speed.

## ISO

You can select the ISO sensitivity when taking pictures.
The speed or specific light-sensitivity of a camera is rated by ISO numbers.

  [Auto] : The camera's sensitivity is
           automatically changed by variables
           such as lighting value or subject
           brightness.

  [ISO 80, 100, 200, 400, 800, 1600 ] :
  You can increase the shutter speed while
  the same amount of light is present, by
  increasing the ISO sensitivity. However, the image may be saturated in
  high luminance.
  The higher the ISO value, the higher the camera's sensitivity to
  light and therefore the greater its capacity to take pictures in dark
  conditions. However, the noise level in the image will increase as the
  ISO value increases, making the image appear coarse.

## White balance

The white balance control allows you to adjust the colours to appear more natural.

[Auto WB]    AWB : The camera automatically selects the appropriate white balance settings, depending on the prevailing lighting conditions.

[Daylight]    ☼ : For taking images outside.

[Cloudy]    ☁ : For taking images under a cloudy and overcast sky.

[Fluorescent_H] ➶ : For shooting under daylight fluorescent types of three-way fluorescent lighting.

[Fluorescent_L] ➷ : Shooting under white fluorescent lighting.

[Tungsten]    ☀ : For shooting under tungsten (standard light bulb) lighting.

[Custom Set]    ➤ : Allows the user to set the white balance according to the shooting condition.

Different lighting conditions may cause a colour cast on your images.

■ Using the Custom White Balance
White balance settings may vary slightly depending on the shooting environment. You can select the most appropriate white balance setting for a given shooting environment by setting up the custom white balance.

1. Select the CUSTOM ( ➤ ) menu of the White Balance and place a sheet of white paper in front of the camera so that the LCD monitor shows only white.

2. MENU/OK button : selects previous custom white balance.

White paper

Shutter button     : saves new custom white balance.

- The custom white balance value will be applied, starting with the next picture you take.

- The user configured white balance will be remain effective until it is overwritten.

## Exposure compensation

This camera automatically adjusts the exposure according to the ambient lighting conditions.
You can also select the exposure value by using the Fn button.

■ Compensating Exposure

1. Press the Fn button, and then use the UP and DOWN buttons to select the exposure compensation icon ( ▨ ).
   The exposure compensation menu bar will appear as shown.

2. Use the LEFT and RIGHT buttons to set the desired exposure compensation factor.

3. Press the Fn button again. The value you set will be saved and the Exposure Compensation setup mode will close.

   If you change the exposure value, the exposure indicator ( ▨ ) will be displayed on the bottom of the LCD monitor.

※ A negative exposure compensation value reduces the exposure. Note that a positive exposure compensation value increases the exposure and the LCD monitor will appear white or you may not get good pictures.

## Movie Clip frame stabiliser

This function helps stabilize images captured during movie recording.
You can select this menu only in the MOVIE CLIP mode.

[Off] : Movie clip frame stabilizer function is disabled.

[On] : This function helps stabilize images captured during movie recording.

## Using the LCD monitor to adjust the camera settings

You can use the menu on the LCD monitor to set up recording functions.

■ The items indicated by ▭ are default settings.

| Menu | Sub menu | | Available mode | Page |
|---|---|---|---|---|
| Sharpness | Soft+ | Soft | 🄰 🄼 | p.48 |
| | Normal | Vivid | | |
| | Vivid+ | - | | |
| Contrast | High | Normal | 🄰 🄼 | p.48 |
| | Low | - | | |
| Focus Area | Center AF | Multi AF | 🄰 🄰 👋 🄼 🄽 ☾ 👤 ⛰ ✿ T 🌊 🍴 🄲 ❄ 🎆 | p.48 |
| Voice Memo | Off | On | 🄰 🄰 👋 🄼 🄽 ☾ 👤 ⛰ ✿ T 🌊 🍴 🄲 ❄ 🎆 | p.49 ~p.50 |
| Voice Record | - | | | |
| Voice Mute | Off | On | 🎬 | p.50 |
| Scene mode | Children, Landscape, Close Up, Text,Sunset, Dawn, Backlight, Firework, Beach & Snow, | | 👤 ⛰ ✿ T 🌊 🍴 🄲 ❄ 🎆 | p.51 |

※ Menus are subject to change without prior notice.

## How to use the menu

1. Turn on the camera and press the MENU button. A menu for each camera mode appears.

2. Use the LEFT and RIGHT buttons to navigate through the menus.



Press the LEFT or RIGHT button.
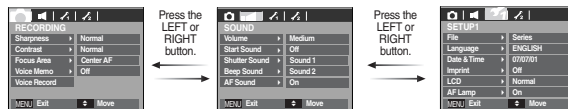
3. Use the UP and DOWN buttons to select a sub menu.



Press the UP or DOWN button.

4. Select a sub menu, and then the value you set will be saved. Press the MENU button and the menu will disappear.

## Sharpness

You can adjust the sharpness of the picture you are about to take. You cannot check the sharpness effect on the LCD monitor before you take a picture, because this function is applied only when the captured image is stored on the memory.

| | | |
|---|---|---|
| **RECORDING** | | |
| Sharpness | ▸ | Soft+ |
| Contrast | ▸ | Soft |
| Focus Area | ▸ | Normal |
| Voice Memo | ▸ | Vivid |
| Voice Record | ▸ | Vivid+ |
| ◂ Back | | OK Set |

[Soft+]/ [Soft]     : The edges of the image are softened. This effect is suitable for editing images on your PC.

[Normal]            : The edges of the image are sharp.
                      This is suitable for printing.

[Vivid]/ [Vivid+]   : The edges of the image are emphasized.
                      The edges will appear sharp, but noise may occur in the recorded image.

## Contrast

You can set the difference between bright part of the image and dark part of the image.

| | | |
|---|---|---|
| **RECORDING** | | |
| Sharpness | ▸ | |
| Contrast | ▸ | High |
| Focus Area | ▸ | Normal |
| Voice Memo | ▸ | Low |
| Voice Record | | |
| ◂ Back | | OK Set |

[High]   : The image contrast is high.

[Normal] : The contrast is normal.

[Low]    : The image contrast is more subtle.
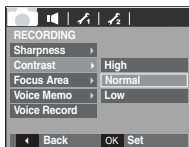
## Focus Area

You can select your preferred Focus Area according to the shooting conditions.

[Center AF] : The rectangular area in the center of the LCD monitor will be focused

[Multi AF] : This camera selects all of available AF point from the 9 AF points.

| | | |
|---|---|---|
| **RECORDING** | | |
| Sharpness | ▸ | |
| Contrast | ▸ | |
| Focus Area | ▸ | Center AF |
| Voice Memo | ▸ | Multi AF |
| Voice Record | | |
| ◂ Back | | OK Set |

[Center AF]          [Multi AF]

When the camera focuses on the subject, the auto focus frame turns to green. When the camera doesn't focus on the subject, the auto focus frame turns to red.

# Voice Memo

You can add your voice-over to a stored still image. (Max. 10 sec.)

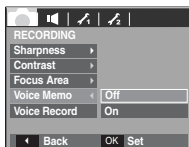| RECORDING | |
| --- | --- |
| Sharpness | ▶ |
| Contrast | ▶ |
| Focus Area | ▶ |
| Voice Memo | ◀ Off |
| Voice Record | On |
| ◀ Back | OK Set |

- If the voice memo indicator is displayed on the LCD monitor, the setting is completed.

- Press the shutter button and take a picture. The picture is stored on the memory card.

- Voice memo will be recorded for ten seconds from the moment the picture is stored. In the middle of the sound recording, pressing the shutter button will stop the voice memo.

# Voice Recording

A voice can be recorded for as long as the available recording time (Max. 10 hour) allows.

Press the shutter button to record a voice.

- Press the shutter button once and voice is recorded for as long as the available recording time (max:10 hour) allows. The recording time will be displayed on the LCD monitor. Voice will still be recorded if the shutter button is released.

- If you wish to stop recording, press the shutter button again.

- File type : *.wav

| RECORDING | |
| --- | --- |
| Sharpness | ▶ Normal |
| Contrast | ▶ Normal |
| Focus Area | ▶ Center AF |
| Voice Memo | ▶ Off |
| Voice Record | |
| ◆ Move | OK Set |

[Voice recording mode]

## Voice Recording

- Pausing while recording a voice
  Using this function, you can record your
  favourite voice clips into a voice recording
  file without having to create multiple voice
  recording files.



[Voice recording mode]

1. Press the Pause button ( ◘◙ ) to pause
   recording.

2. Press the Pause button ( ◘◙ ) again to
   resume the recording.

3. If you wish to stop recording, press the shutter button again.

- A distance of 40cm between you and the camera (microphone) is
  the best distance to record sound.
- If the camera power is turned off while the voice recording is
  paused, the voice recording is cancelled.

## Recording the movie clip without voice

You can record the movie without voice.

Select [On] of [Voice Mute] menu in the
Movie clip mode.
( 🎤 ) icon will appear on the LCD monitor.
Press the Shutter button and a movie will
record for as long as the memory capacity
allows without voice.
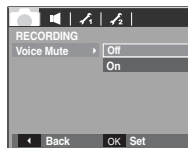
## SCENE mode

- Use the menu to easily configure optimal settings for a variety of shooting situations.

  Press the MENU button and select a desired sub menu.

  ※ Refer to page 22 for more information.

[Mode Menu]

**[Mode Menu screen]**

RECORDING
| Scene | ▶ | Children |
| Focus Area | ▶ | Landscape |
| Voice Memo | ▶ | Close up |
| Voice Record | | Text |
| | | Sunset |
| | | Dawn |
◀ Back    OK Set

## Sound menu

In this mode, you can set up sound settings. You can use the setup menu in all camera modes, except Voice Recording mode.

- The items indicated by ▭ are default settings.

| Mode | Menu | Sub Menu | Available mode | Page |
|------|------|----------|----------------|------|
| ◀ (SOUND) | Volume | Off | | p.52 |
| | | Low | | |
| | | Medium | | |
| | | High | | |
| | Start Sound | Off | | p.52 |
| | | Sound 1 | | |
| | | Sound 2 | | |
| | | Sound 3 | | |
| | Shutter Sound | Off | | p.52 |
| | | Sound 1 | | |
| | | Sound 2 | | |
| | | Sound 3 | | |
| | Beep Sound | Off | | p.52 |
| | | Sound 1 | | |
| | | Sound 2 | | |
| | | Sound 3 | | |
| | AF Sound | Off | | p.52 |
| | | On | | |

# Sound ( 🔊 )

## Volume

You can select a volume of start up sound, shutter sound, beep sound and AF sound.

- [Volume] sub menu : [Off], [Low], [Medium], [High]

| SOUND | | |
|---|---|---|
| Volume | ▶ | Off |
| Start Sound | ▶ | Low |
| Shutter Sound | ▶ | Medium |
| Beep Sound | ▶ | High |
| AF Sound | ▶ | |
| ◀ Back | | OK Set |
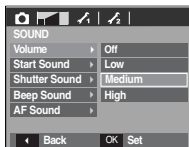
## Start up sound

You can select the sound that is activated whenever the camera is turned on.

- Start up sound : [Off], [Sound 1], [Sound 2], [Sound 3]

| SOUND | | |
|---|---|---|
| Volume | ▶ | |
| Start Sound | ▶ | Off |
| Shutter Sound | ▶ | Sound 1 |
| Beep Sound | ▶ | Sound 2 |
| AF Sound | ▶ | Sound 3 |
| ◀ Back | | OK Set |
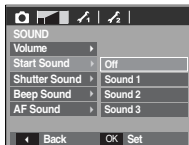
## Shutter sound

You can select the shutter sound.

- Shutter sound : [Off], [Sound 1], [Sound 2], [Sound 3]

| SOUND | | |
|---|---|---|
| Volume | ▶ | |
| Start Sound | ▶ | |
| Shutter Sound | ▶ | Off |
| Beep Sound | ▶ | Sound 1 |
| AF Sound | ▶ | Sound 2 |
| | | Sound 3 |
| ◀ Back | | OK Set |
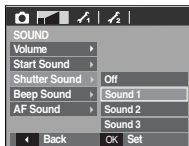
## Beep Sound

If you set sound to ON, various sounds will be activated for camera startup, when buttons are pressed, so that you can be aware of the camera operation status.

- [Beep Sound] sub menu : [Off], [Sound 1, 2, 3]

| SOUND | | |
|---|---|---|
| Volume | ▶ | |
| Start Sound | ▶ | |
| Shutter Sound | ▶ | Off |
| Beep Sound | ▶ | Sound 1 |
| AF Sound | ▶ | Sound 2 |
| | | Sound 3 |
| ◀ Back | | OK Set |
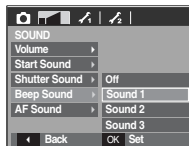
## AF sound

If you set AF sound to ON, AF sound will be activated when a subject is focused so that you can be aware of the camera operation status.

- [AF sound] sub menu : [Off], [On]

| SOUND | | |
|---|---|---|
| Volume | ▶ | |
| Start Sound | ▶ | |
| Shutter Sound | ▶ | |
| Beep Sound | ▶ | |
| AF Sound | ▶ | Off |
| | | On |
| ◀ Back | | OK Set |
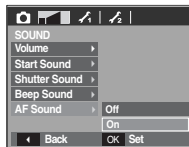
# Setup menu

In this mode, you can set up basic settings. You can use the setup menu in all camera modes, except Voice Recording mode.

■ The items indicated by ▨ are default settings.

| Menu tab | Main menu | Sub menu | | | Page |
|---|---|---|---|---|---|
| 🔧 (Setup menu 1) | File | Reset | Series | | p.54 |
| | Language | ENGLISH | 한국어 | FRANÇAIS | p.54 |
| | | DEUTSCH | ESPAÑOL | ITALIANO | |
| | | 简体中文 | 繁體中文 | 日本語 | |
| | | РУССКИЙ | PORTUGUÊS | DUTCH | |
| | | DANSK | SVENSKA | SUOMI | |
| | | ไทย | BAHASA | عربي | |
| | | Čeština | POLSKI | Magyar | |
| | | Türkçe | – | – | |
| | Date & Time | 07/07/01 | 13:00 | | p.54 |
| | | yy/mm/dd | Off | | |
| | | dd/mm/yy | mm/dd/yy | | |
| | Imprint | Off | Date | | p.55 |
| | | Date&Time | - | | |
| | LCD | Auto | Dark | | p.55 |
| | | Normal | Bright | | |
| | AF Lamp | Off | On | | p.55 |
| | Start Image | Off | Logo | | p.55 |
| | | User Image | - | | |

| Menu tab | Main menu | Sub menu | | Page |
|---|---|---|---|---|
| 🔧 (Setup menu 2) | Quick View | Off | 0.5, 1, 3 sec | p.56 |
| | Power Off | Off | 1, 3, 5, 10 min | p.56 |
| | LCD Save | Off | On | p.56 |
| | Video Out | NTSC | PAL | p.57 |
| | Format | No | Yes | p.58 |
| | Reset | No | Yes | p.58 |

※ Menus are subject to change without prior notice.

# Setup menu 1 ( ✐₁ )

## File name

This function allows the user to select the file naming format.

[Reset] : After using the reset function, the next file name will be set from 0001 even after formatting, deleting all or inserting a new memory card.

```
○ | ◀ | ✐₁ | ✐₂
SETUP 1
File          ▶  Series
Language      ▶  Reset
Date&Time     ▶
Imprint       ▶
LCD           ▶
AF Lamp       ▶
◀ Back        OK Set
```

[Series] : New files are named using numbers that follow the previous sequence, even when a new memory card is used, or after formatting, or after deleting all pictures.
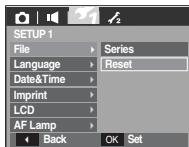
- The first stored folder name is 100SSCAM, and the first file name of L830 is SL380001. (The first file name of L730 is SL370001.)

- File names are assigned sequentially from SL380001
  → SL380002 → ~ → SL389999.

- The folder number is assigned sequentially from 100 to 999 as follows: 100SSCAM → 101SSCAM → ~ → 999SSCAM.

- Maximum numbers of files in a folder are 9999.

- The files used with the memory card conform to the DCF (Design rule for Camera File systems) format. If you change the image file name, the image may not play back.

## LANGUAGE

There is a choice of languages that can be displayed on the LCD monitor. Even if the battery is removed and inserted again, the language setting will be preserved.

- LANGUAGE sub menu
  : English, Korean, French, German, Spanish, Italian, S.Chinese, T.Chinese, Japanese, Russian, Portuguese, Dutch, Danish, Swedish, Finnish, Thai, Bahasa (Malay / Indonesian), Arabic, Czech, Polish, Hungarian and Turkish.

```
○ | ◀ | ✐₁ | ✐₂
SETUP 1
File          ▶  ENGLISH
Language      ▶  한국어
Date&Time     ▶  FRANÇAIS
Imprint       ▶  DEUTSCH
LCD           ▶  ESPAÑOL
AF Lamp       ▶  ITALIANO
◀ Back        OK Set
```

## Setting up the Date / Time / Date type

You can change the date and time that will be displayed on the captured images and set up the date type.

```
○ | ◀ | ✐₁ | ✐₂
SETUP 1
File          ▶  ▲
Language      ▶  07/07/01
Date&Time     ▶  ▼
Imprint       ▶  13:00
LCD           ▶  yy/mm/dd
AF Lamp       ▶
◀ Back        OK Set
```

- Setting Date/ Time & Selecting Date Format
  RIGHT button : Selects the year/ month/day/ hour/ minute date type.
  LEFT button : Moves the cursor to the [Date&Time] main menu if the cursor is at the first item of the date and time setup. In all other cases, the cursor will be shifted to the left of its current position.
  UP and DOWN buttons : Changes the setting value
- Date type : [yy/mm/dd], [Off], [dd/mm/yy], [mm/dd/yy]
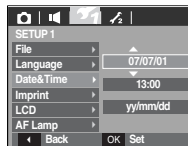
# Setup menu 1 ( 🔧₁ )

## Imprinting the recording date

There is an option to include DATE / TIME on still images.

- Sub menus

  [Off]      : The DATE & TIME will not be imprinted on the image file.

  [Date]    : Only the DATE will be imprinted on the image file.

| | |
|---|---|
| **SETUP 1** | |
| File | ▶ |
| Language | ▶ |
| Date & Time | ▶ |
| Imprint | ▶ Off |
| LCD | ▶ Date |
| AF Lamp | ▶ Date&Time |
| ◀ Back | OK Set |

  [Date&Time] : The DATE & TIME will be imprinted on the image file.

※ The Date & Time are imprinted at the bottom right side of the still image.

※ The imprint function is applied only to still images except for the images taken in photo frame effect mode.

※ Depending on the manufacturer and print mode, the date printed on an image may not be printed correctly.

## LCD brightness

You can adjust the LCD brightness.

- Sub menus : [Auto], [Dark], [Normal], [Bright]

| | |
|---|---|
| **SETUP 1** | |
| File | ▶ |
| Language | ▶ |
| Date & Time | ▶ Auto |
| Imprint | ▶ Dark |
| LCD | ▶ Normal |
| AF Lamp | ▶ Bright |
| ◀ Back | OK Set |
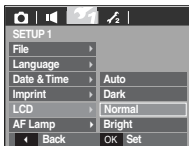
## Auto Focus lamp

You can turn on and off the Auto Focus lamp.

- Sub menus

  [Off] : The AF lamp will not light up in low light conditions.

  [On] : The AF lamp will light up in low light conditions.

| | |
|---|---|
| **SETUP 1** | |
| File | ▶ |
| Language | ▶ |
| Date & Time | ▶ |
| Imprint | ▶ |
| LCD | ▶ Off |
| AF Lamp | ▶ On |
| ◀ Back | OK Set |

## Start up image

You can select the image that is first displayed on the LCD monitor whenever the camera is turned on.

- Sub menus : [Off], [LOGO], [User Image]

- Use a saved image for the start-up image with the [Start Image] in the [RESIZE] menu in the play mode.

- The start-up image will not be deleted by [Delete] or [Format] menu.

- The User images will be deleted by [Reset] menu.

| | |
|---|---|
| **SETUP 1** | |
| Language | ▶ ▲ |
| Date & Time | ▶ |
| Imprint | ▶ |
| LCD | ▶ Off |
| AF Lamp | ▶ |
| Start Image | ▶ ▼ |
| ◀ Back | OK Back |

# Setup menu 2 ( 𝒇₂ )

## Quick view

If you enable Quick View before capturing an image, you can view the image you just captured on the LCD monitor for the duration set in the [Quick View] setup. Quick view is possible only with still images.

- Sub menus

  [Off] : The quick view function can't be activated.

  [0.5, 1, 3 sec] : The captured image is briefly displayed during the selected time.
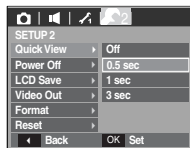
## Auto power off

This function switches the camera off after a set amount of time in order to prevent unnecessary battery drainage.

- Sub menus

  [Off] : The power off function will not operate.

  [1, 3, 5, 10 min] : The power will turn off automatically if not used for the period of time specified.
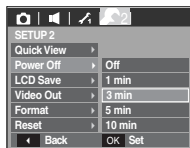
- After replacing the battery, the power off setting will be preserved.

- Note that the automatic power off function will not operate if the camera is in the PC / Printer mode, slide show, playing back a voice recording and playing back a movie clip.

## LCD save

If you set the [LCD save] to On and the camera isn't operated during the specified time, the LCD monitor will be turned off automatically.

- Sub menus

  [Off] : The LCD monitor will not be turned off.

  [On] : If the camera isn't operated during the specified time (about 30 SEC.), the camera power will be idle (Camera status lamp:Blinking) automatically.
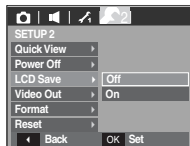
- You can't set the [LCD save] menu of Playback Mode.

# Setup menu 2 ( $\mathcal{F}_2$ )

## Selecting Video out type

The Movie output signal from the camera can be NTSC or PAL.
Your choice of output will be governed by the type of device (monitor or TV, etc.) to which the camera is connected. PAL mode can support only BDGHI.

■ Connecting to an external monitor

When the camera is connected to an external monitor, the image and menus on the LCD monitor will be visible on the external monitor and the LCD monitor of the camera.

| SETUP 2 | |
| --- | --- |
| Quick View | ▶ |
| Power Off | ▶ |
| LCD Save | ▶ |
| Video Out | ▶ NTSC |
| Format | ▶ PAL |
| Reset | ▶ |
| ◀ Back | OK Set |
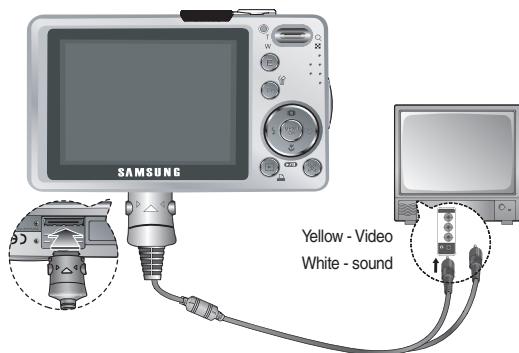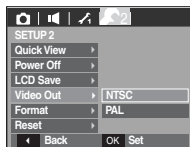
- NTSC : U.S.A, Canada, Japan, South Korea, Taiwan, Mexico.

- PAL : Australia, Austria, Belgium, China, Denmark, Finland, Germany, U.K., Holland, Italy, Kuwait, Malaysia, New Zealand, Singapore, Spain, Sweden, Switzerland, Thailand, Norway.

- When using a TV as an external monitor, you will need to select the external or AV channel of the TV.

- There will be a digital noise on the external monitor, but it is not a malfunction.

- If the image is not in the centre of the screen, use the TV controls to centre it.

- When the camera is connected to an external monitor, some parts of the image may not be displayed.



Yellow - Video
White - sound

# Setup menu 2 ( $\mathcal{I}_2$ )

## Formatting a memory

This is used for formatting the memory. If you run [Format] on the memory, all images, including the protected images, will be deleted. Be sure to download important images to your PC before formatting the memory.

- Sub menus

  [No] : The memory will not be formatted.

  [Yes] : A window for confirming the selection displays. Select the [Yes] menu. A [Processing!] message appears and the memory will be formatted. If you run FORMAT in Play mode, a [No Image!] message will appear.

```
┌──────────────────────┐
│ 🔲 | 🔳 | ◢     ◢₂    │
│ SETUP 2              │
│ Quick View        ▸  │
│ Power Off         ▸  │
│ LCD Save          ▸  │
│ Video Out         ▸  │
│ Format            ▸  No │
│ Reset             ▸  Yes │
│ ◂ Back        OK  Set │
└──────────────────────┘
```
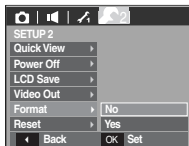
- Be sure to run [Format] on the following types of memory card.

  - A new memory card, or an unformatted memory card

  - A memory card that has a file this camera can't recognise or one that has been taken from another camera.

  - Always format the memory card using this camera. If you insert a memory card that has been formatted using other cameras, memory card readers, or PCs, you will get a [Card Error!] message.

## Initialisation

All camera menu and function settings will be restored to their default values. However, values for DATE / TIME, LANGUAGE, and VIDEO OUT will not be changed.

- Sub menus

  [No] : Settings will not be restored to their defaults.

  [Yes] : A window to confirm the selection will be displayed. Select the [Yes] menu and all settings will be restored to their defaults.

```
┌──────────────────────┐
│ 🔲 | 🔳 | ◢     ◢₂    │
│ SETUP 2              │
│ Quick View        ▸  │
│ Power Off         ▸  │
│ LCD Save          ▸  │
│ Video Out         ▸  │
│ Format            ▸  No │
│ Reset             ▸  Yes │
│ ◂ Back        OK  Set │
└──────────────────────┘
```
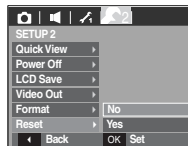
# Starting play mode

Turn the camera on and select Play mode by pressing the play mode button ( ▶ ). The camera can now play back the images stored in the memory.

If the memory card is inserted in the camera, all the camera functions apply only to the memory card.

If the memory card is not inserted in the camera, all the camera functions apply only to the internal memory.

## Playing back a still image

1. Select the PLAY mode by pressing the play mode button ( ▶ ).

2. The last image stored on the memory is displayed on the LCD monitor.

3. Select an image that you want to view by pressing the Left/ Right button.

※ Press and hold the Left or Right button to play back the images quickly.

## Playing back a movie clip

1. Select the recorded movie clip that you want to play back by using the Left/Right button.

2. Press the play & pause button ( ▶/❚❚ ) to play back a movie clip file.

   - To pause a movie clip file while playing it back, press the play & pause button ( ▶/❚❚ ) again.

   - Pressing the play & pause button ( ▶/❚❚ ) again will cause the movie clip file to restart.

   - To rewind the movie clip while it is playing, press the Left button. To fast forward the movie clip, press the Right button.

   - To stop playback of the movie clip, press the play & pause button ( ▶/❚❚ ), and then press the Left or Right button.

# Starting play mode

## Movie clip capture function

You can capture still images from the movie clip.

■ How to capture the movie clip

1. Press the Play / Pause button ( ▶/❚❚ ) while playing the movie clip. Then press the E button.

2. The paused movie clip is saved in a new file name.

[Paused]

※ The captured movie clip file is the same size as the original movie clip (800x592, 640x480, 320x240).

※ When you press the E button at the beginning of the movie clip, the first frame of the movie clip will be saved as a still image.

[Press the E button]

## On camera movie trimming

You can extract desired frames of movie clip during the movie clip play back.

If the running time is under 10 seconds, the movie clip can't be trimmed.

1. Press the Pause button ( ▶/❚❚ ) at the point of the movie clip where you want to start extracting.

2. Press the T button.

3. Press the Play & Pause button ( ▶/❚❚ ) and the extracted range will be displayed on the status bar.

4. Press the Play & Pause button ( ▶/❚❚ ) once more at the point where you wish the extracted file to stop.

5. Press the T button and a confirmation window will be displayed.

6. Select a desired sub menu by pressing the Up/Down button and press the OK button.
   [No] : The movie trimming will be cancelled.
   [Yes] : The extracted frames are saved as a new file name.

   • If you don't specify the ending point of the movie clip, the trimming confirmation window will be displayed at the point of the last frame.

# Starting play mode

## Playing back a recorded voice

1. Select the recorded voice that you want to play back by using the Left/Right button.

2. Press the play & pause button ( ▶❚❚ ) to play back a recorded voice file.

   - To pause a recorded voice file, while playing it back, press the play & pause button ( ▶❚❚ ) again.

   - To resume playback of the voice file, press the play & pause button

   - To rewind the voice file while it is playing, press the Left (REW)button.
     To fast forward the voice file, press the Right (FF)button.

   - To stop playback of the voice memo, press the play & pause button and then press the MENU/OK button.

## Playing back a voice memo

1. Select a still image that has the voice memo.

2. Press the play & pause button ( ▶❚❚ ) to play back the voice memo.

   - To pause the voice memo, while playing it back, press the play & pause button ( ▶❚❚ ) again.

   - To resume playback of the voice memo, press the Down button.

   - To stop playback of the voice memo, press the MENU / OK button.

## LCD monitor Indicator

The LCD monitor displays shooting information about the displayed image.

④ ③ ②                    ①

⑤ 🎤
⑥ 🔒
⑦ ▷

ISO    100          ⑬
AV     F3.0         ⑫
TV     1/125        ⑪
FLASH  On           ⑩
SIZE   3264X2448    ⑨
DATE   2007/07/01   ⑧

| No. | Description | Icon | Page |
|-----|-------------|------|------|
| 1 | Battery | 📶 📶 📶 📶 | p.15 |
| 2 | Folder name & File name | 100-0010 | p.54 |
| 3 | Memory card indicator | 📷 / 📷 | - |
| 4 | Playback mode | ▶ | p.59 |
| 5 | Voice Memo | 🎤 | p.80 |
| 6 | Protect | 🔒 | p.80 |
| 7 | DPOF | ▷ | p.81 |
| 8 | Recording date | 2007/07/01 | p.55 |
| 9 | Image size | 3264x2448 ~ 256X192 | p.42 |
| 10 | Flash | On / Off | p.29 |
| 11 | Shutter speed | 8 ~ 1/1,500 | p.21 |
| 12 | Aperture value | F3.0 ~ F14.1 | p.21 |
| 13 | ISO | 80 ~ 1600 | p.44 |

## Using the camera buttons to set the camera

In Play mode, you can use the buttons on the camera to conveniently set up the Play mode functions.

### Thumbnail ( ▦ ) / Enlargement ( 🔍 ) button

You can view multiple pictures, enlarge a selected picture, and crop and save a selected area of an image.

- Thumbnail display

 1. While an image is displayed on full screen, press the thumbnail button.

 2. The thumbnail display will highlight the image that had been showing at the time the thumbnail mode was selected.

 3. Press the 5 function button to move to a desired image.

 4. To view an image separately, press the enlargement button.

Pressing the thumbnail button ( ▦ ) →

← Pressing the enlargement button ( 🔍 )

Highlighted image

[Highlighted image]                    [ Thumbnail display mode ]

# Thumbnail ( ▦ ) / Enlargement ( 🔍 ) button

- Image enlargement

1. Select an image that you want to enlarge and press the enlargement button.

2. Different parts of the image can be viewed by pressing the 5 function button.

3. Pressing the thumbnail button will zoom back to the original full sized image.

   - You can tell whether the image displayed is an enlarged view by checking the image enlargement indicator shown at the top left of the LCD monitor. (If the image is not an enlarged view, the indicator will not be displayed.) You can also check the area of enlargement.

   - Movie clips and WAV files can't be enlarged.

   - If an image is enlarged, a loss of quality may occur.

- The maximum enlargement rate in proportion to the image size

- L830

| Image size | 8ᴹ | 7ᴹ | 6ᴹ | 5ᴹ | 3ᴹ | 1ᴹ |
|---|---|---|---|---|---|---|
| Maximum enlargement | X12.8 | X12.4 | X12.8 | X10.1 | X8.0 | X4.0 |

- L730

| Image size | 7ᴹ | 6ᴹ | 5ᴹ | 5ᴹ | 3ᴹ | 1ᴹ |
|---|---|---|---|---|---|---|
| Maximum enlargement | X12.0 | X12.0 | X12.0 | X10.1 | X8.0 | X4.0 |

- Trimming : You can extract part of the image that you want and save it separately.

1. Select an image that you want to enlarge and press the enlargement button. Press the MENU/OK button and a message will be displayed.

2. Select a desired sub menu by pressing the Up / Down button and press the OK button.

   - [No] : The trimming menu will disappear.

   - [Yes]: The trimmed image will be saved as a new file name, and appear on the LCD monitor.
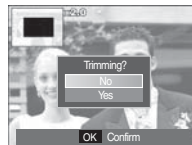
※ If there is not enough memory space to save the trimmed image, the image can't be trimmed.

# Info( ) / Up button

When the menu is displayed on the LCD monitor, the UP button operates as a direction button.

When the menu is not displayed on the LCD monitor, pressing the Info button will display image information on the LCD monitor.



Info ( ) button

Info ( ) button                                    Info ( ) button

ISO      100
AV       F3.0
TV       1/125
FLASH    On
SIZE     3264X2448
DATE     2007/07/01
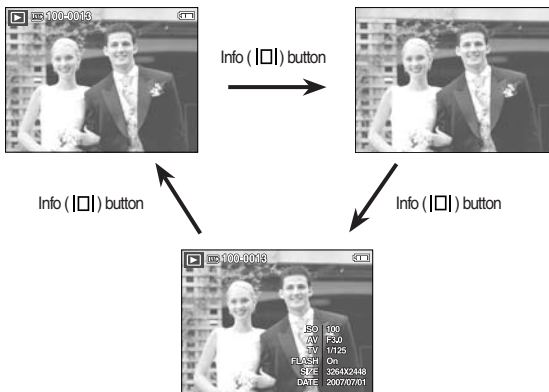
# Play & Pause ( ) / Down button

In Play mode, the play & pause/ down button works as follows:

- If the menu is displayed
  Press the DOWN button to move from the main menu to a sub menu, or to move down the sub menu cursor.

- If a still image with a voice memo, a voice file, or a movie clip is playing

  ·In Stop mode      : Plays a still image with a voice memo, a voice file, or a movie clip.
  ·During playback    : Temporarily stops playback.
  ·In Pause mode     : Resumes playback



[ Voice recording is stopped ]    [ Voice recording is playing ]    [ Voice recording is paused ]
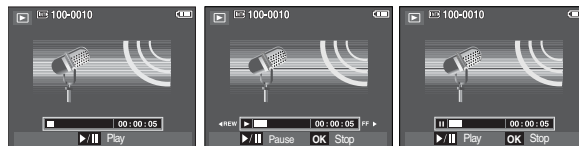
## Left / Right / Menu / OK button

LEFT / RIGHT / MENU / OK buttons activate the following.

- LEFT button : While the menu is showing, the LEFT button operates as a direction button. While the menu is not showing, press the LEFT button to select the previous image.
- RIGHT button : While the menu is showing, the RIGHT button operates as a direction button. While the menu is not showing, press the RIGHT button to select the next image.
- MENU button : When you press the MENU button, the play mode menu will be displayed on the LCD monitor. Pressing it again will return the LCD to the initial display.
- OK button : When the menu is displayed on the LCD monitor, the OK button is used for confirming data that is changed by using the 5 function button.

## Printer ( 🖶 ) button

When the camera is connected to a PictBridge printer, you can print images by pressing the Printer button.

## Delete ( 🗑 ) button

This deletes images stored on the memory card.

1. Select an image that you want to delete by pressing the Left / Right button and press the DELETE ( 🗑 ) button.
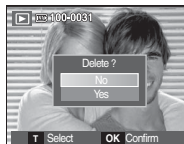
[Single Image]                    [Thumbnail Image]

2. To delete images, press the T button.
   - Left/Right button : Selects images
   - T button : checks for deletion
   - OK button : confirm the selection
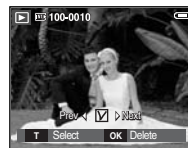
3. Select the submenu values by pressing the Up / Down button and then press the OK button.
   - If [No] is selected : cancels "Delete Image".
   - If [Yes] is selected : deletes the selected images.

# E (Effect) button : Resize

Change the resolution (size) of pictures taken. Select [Start image] to save an image to be the start-up image.

1. Press the play mode button and press the E button.
2. Press the Left / Right button and select the [RESIZE] ( ) menu tab.
3. Select a desired sub menu by pressing the Up / Down button and press the OK button.
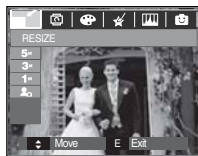


■ Image Resize Types

- L830                                                          ( •: Selectable)

|     | 5M | 3M | 1M | 2 |
|---|---|---|---|---|
| 8ᴹ | • | • | • | • |
| 5ᴹ |   | • | • | • |
| 3ᴹ |   |   | • | • |
| 1ᴹ |   |   |   | • |
|     | 5M | 3M | 1M | 2 |
| 7ᴹ | • | • | • |   |
|     | 5M | 2M | 1M | 2 |
| 6ᴹ |   | • | • |   |

- L730

|     | 5M | 3M | 1M | 2 |
|---|---|---|---|---|
| 7ᴹ | • | • | • | • |
| 5ᴹ |   | • | • | • |
| 3ᴹ |   |   | • | • |
| 1ᴹ |   |   |   | • |
|     | 5M | 3M | 1M | 2 |
| 6ᴹ |   | • | • |   |
| 5ᴹ |   | • | • |   |

- A large sized image can be resized to a smaller sized image, but not vice versa.

- Only JPEG images can be resized. Movie clip (AVI), Voice recording (WAV) files can't be resized.

- You can change the resolution of only those files compressed in the JPEG 4:2:2 format.

- The resized image will have a new file name. The [Start Image] image is stored not on the memory card but on the internal memory.

- If a new user image is saved, one of the two user images will be deleted in order.

- If the memory capacity is insufficient to store the resized image, a [Memory Full!] message will appear on the LCD monitor and the resized image can't be stored.

# E (Effect) button : Rotating an image

You can rotate the stored images by various degrees.

1. Press the play mode button and press the E button.
2. Press the LEFT / RIGHT button and select the [ROTATE] ( 🔄 ) menu tab.
3. Select a desired sub menu by pressing the UP / DOWN button.

[ ➤ : Right 90˚]
: Rotate picture in a clock-wise direction

[ ➤ : Left 90˚]
: Rotate picture in a counter-clock-wise direction
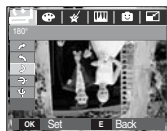
[ ⟲ : 180˚]
: Rotate picture 180 degrees

[ ➡ : Horizontal]
: Rotate picture horizontally

[ ⬇ : Vertical]
: Rotate picture vertically

※ If you display the rotated image on the LCD monitor, empty spaces may appear to the left and right of the image.

# E (Effect) button : Colour

It is possible to add colour effects to your images by using this button.

1. Press the play mode button and press the E button.
2. Select ( 🎨 ) menu tab by pressing the Left / Right button.

3. Select a desired sub menu by pressing the Up / Down button and press the OK button.

- 🅱🅦 : Captured images will be stored in black and white.
- 🆂 : Captured images will be stored in a sepia tone (a gradient of yellowish brown colours).
- 🆁 : Captured images will be stored in a red tone.
- 🅶 : Captured images will be stored in a green tone.
- 🅱 : Captured images will be stored in a blue tone.
- 🅝 : Save the image in negative mode.
- 🅒 : Captured images will be stored in set RGB tone.

4. The changed image is saved as a new file name.

# E (Effect) button : Colour

■ Custom colour

You can change the R (Red), G (Green) and B (Blue) values of the image.

- OK button : Select / setup the Custom Colour
- Up / Down button : Selects R, G, B
- Left / Right button : Change the values
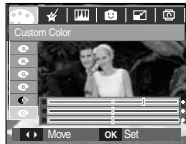
# E (Effect) button : Special Colour

1. Press the play mode button and press the E button.

2. Select ( ✗ ) menu tab by pressing the Left/Right button.

## Colour Filter

With this menu, you can change the colour information of the image (excluding Red, Blue, Green and Yellow) to Black and White.

1. Select ( 🎨 ) by pressing the Up/Down button.
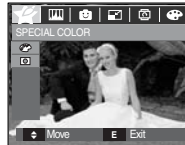
2. Press the OK button and the image is saved as a new file name.

# E (Effect) button : Special Colour

### Colour mask

With this menu, you can select a part you want to highlight. The rest of the image will be in black and white.



Select ( ▣ ) the selected area will be shown.
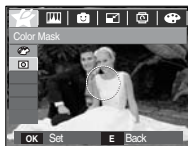


Press the OK button and you can set the size and location of the part to be highlighted.



W / T button : Changing size of selected part
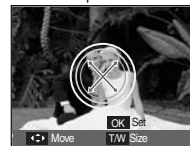


Up/Down/Left/Right button: Changing the location





[Final image]

Press the OK button twice and the colour masked image will be saved as a new file name.

# E (Effect) button : Image editing

1. Press the play back button and press the E button.
2. Select ( ▥ ) menu tab by pressing the Left/Right button.

## Red eye Removal

Red eye effect can be removed from the captured image.

1. Select ( ✍ ) by pressing the Up/Down button and press the OK button.
2. The image is saved as a new file name.

## Brightness control

You can change the brightness of the image.

1. Select ( ☼ ) by pressing the Up/Down button and a bar for selecting the brightness will be displayed.
2. Change the brightness by pressing the Left/Right button.
3. Press the OK button and the image will be saved as a new file name.

## Contrast control

You can change the contrast of the image.

1. Select ( ◗ ) by pressing the Up/Down button and a bar for selecting the contrast will be displayed.
2. Change the contrast by pressing the Left/Right button.
3. Press the OK button and the image will be saved as a new file name.

## Saturation control

You can change the saturation of the image.

1. Select ( ⬤ ) by pressing the Up/Down button and a bar for selecting the saturation will be displayed.
2. Change the saturation by pressing the Left/Right button.
3. Press the OK button and the image will be saved as a new file name.
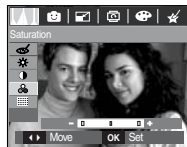
## Noise Effect

You can add noise to an image to add a more classic feel to your photo.

1. Select ( ▦ ) by pressing the Up/Down button and press the OK button.
2. The [Proccessing!] message be displayed and the image is saved as a new file name.
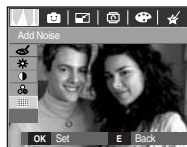
# E (Effect) button : FUN

## Cartoon

You can add a text box to the image to make the image cartoon like.

※ The cartoon image is saved as 1M image size.

Select Cartoon ( ▣ )
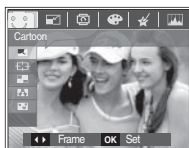
Select a desired frame by pressing the Left/Right button and then press the OK button

Select a desired position by pressing the Up/Down/Left/Right button and press the OK button.

Press the OK button and the image is saved. Press the OK button again to open a new image to save.
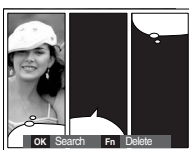
Change the location of the text box by pressing the Left/Right button.

Select an image by pressing the Up/Down/Left/Right button and press the OK button.
Select the third image with the same procedure.

Select the position of image and text box with the same procedure.

Press the OK button and the file is saved as a new file name.

# E (Effect) button : FUN

■ Before saving the cartoon image, you can change the selected image.

1. Pressing the Fn button deletes the images in order.

2. Press the OK button and you can select images.



Pressing the Fn button
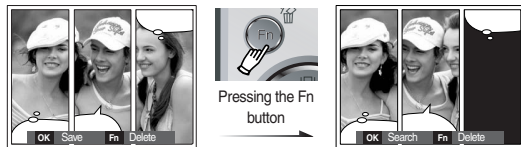
3. After selecting desired images, press the OK button to save the image as a new file name.

## Preset focus frames

You can make the subject stand out from its surroundings. The subject will be sharp and in focus while making the rest out of focus.



Select a desired frame by pressing the Left/Right button and press the OK button.



[Range 1]          [Range 2]          [Range 3]          [Range 4]
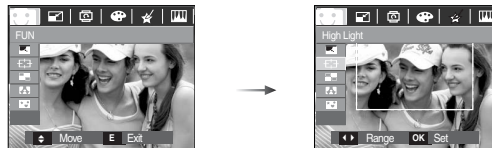
# E (Effect) button : FUN

■ Moving and changing the focus frame

You can change the focus frame after selecting a Range menu.

1. Select a focus frame by pressing the Left/Right button and press the OK button.
2. Move the location of the frame by pressing the Up/Down/Left/Right button.
3. Press the OK button and the file is saved as a new file name.
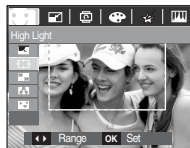


Pressing the OK button



[The frame is activated]

Pressing Up/ Down/Left/Right button
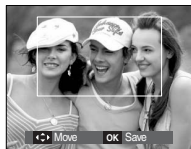


[After changing the frame position]

Pressing the OK button



## Composite image

You can combine 2 - 4 different shots in a still image.
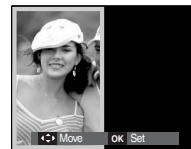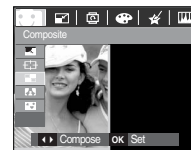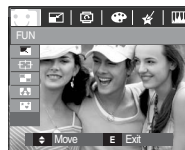


Press the OK button.
(You can select 2-4 composite images)



- If you press the Shutter and Play mode button, a capture mode is executed.
- The composite image is saved as 1024 X 768 image size.

# E (Effect) button : FUN

※ Selecting 2 composite shots



Pressing the Up/Down/Left/Right button
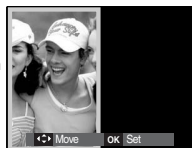
[Changing the position]

Pressing the OK button
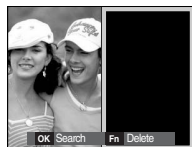
[Selecting the second image]

Pressing the OK button

Select an image by pressing the 5 function button and press the OK button

Change the location of second image by pressing the Up/Down/Left/Right button and press the OK button to save the image.

■ Before selecting the last composite image, you can change a part of composite image.

1. During the composite image editing, press the Fn button.

2. A previous image will be deleted. Press the OK button and you can select a new image. After selecting an image, press the Fn button again and the image will be deleted again.



Pressing the Fn button

[Before selecting the 3rd image]    [Moving backward to the 2nd image]

3. Press the OK button and you can select an image again.

# E (Effect) button : FUN

## Photo Frame

You can add 9 types of frame-like borders to a still image you want to capture.

Date & Time information will not be printed on the stored image taken with Photo Frame menu.
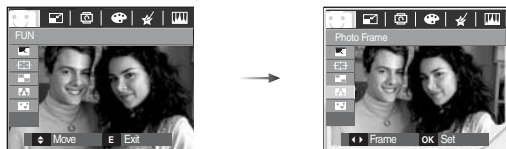




Select a desired sub menu by pressing the Left/Right button.

- Press the E button and the frame will be canceled.



F1

F2

F3

F4

F5

F6

ZOOMIN

F7

F8

F9

Press the OK button and the image is saved.



※ L730 only : The size of Photo frame image is fixed to 1M.

## E (Effect) button : FUN

### Sticker

You can add various stickers to the image.



Select ( ☺ )



Select a desired sticker by pressing the Left/Right button and press the OK button



Select a location of sticker by pressing the Up/Down/Left/Right button
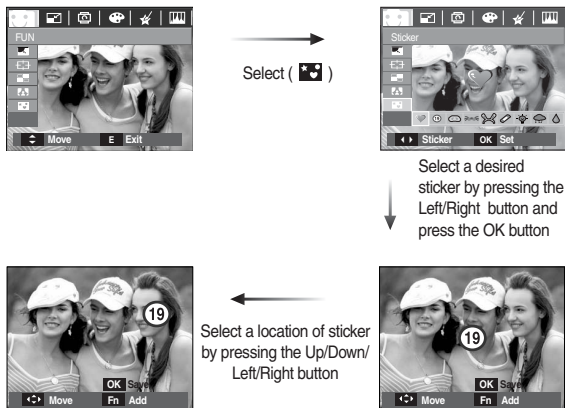


※ You can add additional stickers by pressing the Fn button.
Press the OK button to store the image.

## Setting up the play back function using the LCD monitor

PLAY mode functions can be changed by using the LCD monitor.
In the PLAY mode, pressing the MENU button displays the menu on the LCD monitor. The menus you can set up in Play mode are as follows. To capture an image after setting up the play menu, press the PLAY mode button or shutter button.

| Menu Tab | Main Menu | Sub Menu | | Secondary Menu | Page |
|---|---|---|---|---|---|
| SLIDE SHOW ( ▦ ) | Show | Play / Repeat Play | | - | p.78 |
| | Images | All | | - | p.78 |
| | | Date | | - | |
| | | Select | | - | |
| | Effect | Off | Basic | Classic | p.79 |
| | | Memories | Rhythmic | Delight | |
| | Interval | 1, 3, 5, 10 sec | | - | |
| | Music | Off / Music 1, 2, 3 | | - | |
| PLAY BACK ( ▶ ) | Voice Memo | Off | | - | p.80 |
| | | On | | - | |
| | Protect | Select | | - | p.80 |
| | | All | | | |
| | Delete | Select | | - | p.81 |
| | | All | | | |
| | DPOF | Standard | | Select / All / Cancel | p.81 ~p.83 |
| | | Index | | No / Yes | |
| | | Size | | Select / All / Cancel | |
| | Copy To Card | No | | - | p.83 |
| | | Yes | | - | |

## Setting up the play back function using the LCD monitor

This menu is available while the camera is connected to a PictBridge supporting printer (direct connection to the camera, sold separately) with a USB cable.

| Menu Tab | Main Menu | Sub Menu | Secondary Menu | Page |
|---|---|---|---|---|
| | Images | One Pic | - | p.85 |
| | | All Pics | - | |
| | Size | Auto | - | p.86 |
| | | PostCard | - | |
| | | Card | - | |
| | | 4X6 | - | |
| | | L | - | |
| | | 2L | - | |
| | | Letter | - | |
| | | A4 | - | |
| | | A3 | - | |
| | Layout | Auto | - | |
| | | Full | - | |
| | | 1 | - | |
| | | 2 | - | |
| | | 4 | - | |
| | | 8 | - | |
| | | 9 | - | |
| | | 16 | - | |
| | | Index | - | |

| Menu Tab | Main Menu | Sub Menu | Secondary Menu | Page |
|---|---|---|---|---|
| | Type | Auto | - | p.86 |
| | | Plain | - | |
| | | Photo | - | |
| | | FastPhoto | - | |
| | Quality | Auto | - | |
| | | Draft | - | |
| | | Normal | - | |
| | | Fine | - | |
| | Date Print | Auto | - | |
| | | Off | - | |
| | | On | - | |
| | File Name | Auto | - | |
| | | Off | - | |
| | | On | - | |
| | Reset | No | - | |
| | | Yes | - | |

※ Menus are subject to change without prior notice.

# Starting the slide show ( ▣ )

Images can be displayed continuously at pre-set intervals.
You can view the slide show by connecting the camera to an external monitor.

1. Press the play mode button and press the menu button.

2. Press the LEFT / RIGHT button and select the [SLIDE SHOW] menu tab.

## Start the slide show

The slide show can start only in the [Show] menu.

1. Use the Up / Down buttons to select the [Show] menu and press the Right button.

2. Select a desired sub menu by pressing the Up / Down button.

   [Play] : The slide show is closed after one cycle.

   [Repeat Play] : The slide show is repeated until cancelled.

3. Press the OK button and the slideshow will be started.

   - To pause the slide shown while playing it back, press the play & pause( ◀▮▶ ) button again.

   - Pressing the play & pause( ◀▮▶ ) button again will cause the slide show restart.

   - To stop playback of the slide show, press the play & pause ( ◀▮▶ ) button, and then press the OK / Menu button.

## Selecting Images

You can select image to view

1. Use the Up / Down buttons to select the [Image] menu and press the Right button.

2. Select a desired sub menu by pressing the Up / Down button.

   [All] : All images saved in the Memory are played back.

   [Date] : Images taken in a specified date are played back.

   [Select] : You can select desired images to play back

      Press the OK button and thumbnail images will appear.
      Search desired images by using the Up/Down buttons.
      You can choose desired images by pressing the T button.

3. Press the OK button and the settings are saved.

4. Select [Play] or [Repeat Play] in the [Show] menu to start the slide show.
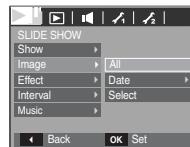
# Starting the slide show ( ▤ )

## Configure slide show effects

Unique screen effects can be used for the slide show.

1. Select the [Effect] sub menu by pressing the UP / DOWN button and press the RIGHT button.

2. Use the Up / Down button to select the type of effect.
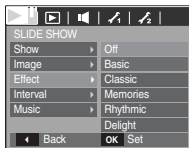
   [Off]       : No effect.

   [Basic]     : Fade In/Out effect is added and the Images are displayed at set interval.

   [Classic]   : You can add noise to the image to give a classic feel.

   [Memories]  : Scratches are added to give an old movie effect.

   [Rhythmic]  : Images are displayed with a special effect.

   [Delight]   : Images are displayed with a special effect.

3. Press the OK button to confirm the setting.

## Setting play interval

Set the slide show play interval.

1. Select the [Interval] sub menu by pressing the UP / DOWN button and press the RIGHT button.

2. Use the Up / Down buttons to select the desired interval.

3. Press the OK button to save the configuration.
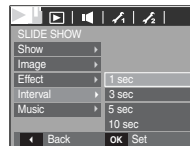
- The loading time depends on the image size and quality.
- While the slide show is playing, only the first frame of a MOVIE file is displayed.
- While the slide show is playing, the voice recording file will not be displayed.
- The interval menu functions in the [Off], [Basic] and [Classic] menu only.

## Setting Background Music

Set the slide show music.

1. Select the [Music] sub menu by pressing the UP / DOWN button and press the RIGHT button.

2. Use the Up / Down buttons to select the desired Music.

3. Press the OK button to save the configuration.
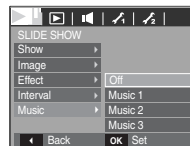
# Playback ( ▶ )

## Voice memo

You can add your voice to a stored still image.
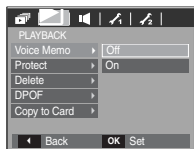


[Voice memo menu]          [Ready for recording]          [Voice is recording]

- Press the shutter button to take a picture. The images are saved on the memory. After saving the image, the voice will record for 10 seconds.

- To stop the recording, press the shutter button.

## Protecting images

This is used to protect specific shots from being accidentally erased (Lock). It also unprotects images that have been previously protected (Unlock).

1. Press the Up / Down button and select the [Protect] menu tab. And then press the Right button.

2. Select a desired sub menu by pressing the UP / DOWN button and press the OK button.
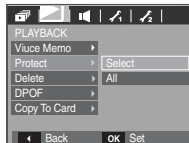
   [Select ] : Selection window for an image to be protected / released is displayed.
   - Up / Down / Left / Right : Select an image
   - Zoom W / T Button : Protect / release the image
   - OK button : Your changes will be saved and the menu will disappear.

   [All] : Protect / release all saved images
   - If you protect an image, the protect icon will be displayed on the LCD monitor. (An unprotected image has no indicator)
   - An image in LOCK mode will be protected from the delete function or [Delete] functions, but will NOT be protected from the [Format] function.

# Playback ( ▶ )

## Deleting images

This deletes images stored on the memory. If the memory card is inserted, images on the memory card are deleted.
Otherwise, images in the internal memory are deleted.

1. Press the Up / Down button and select the [Delete] menu tab. And then press the Right button.
2. Select a desired sub menu by pressing the UP / DOWN button and press the OK button.

   [Select] : Selection window for an image to delete is displayed.
   - Up/ Down/ Left/ Right : Select an image
   - Zoom T Button : Select the image for deletion.
     ( ✓ mark)
   - OK Button : Press the OK button to display the confirmation message. Select the [Yes] menu and press the OK button to delete marked images.

   [All] : Displays confirmation window. Select the [Yes] menu and press the OK button to delete all unprotected images. If there aren't protected images, all the images are deleted and a [No Image!] message will appear.

3. After deletion, the screen will be changed to the play mode screen.

   ![menu screen showing PLAYBACK with Voice Memo, Protect, Delete ▶ Select, DPOF ▶ All, Copy To Card, Back / OK Set]
   
   ![thumbnail selection screen 100-0031, T Select / OK Delete]
   
   ![Delete All? No / Yes, OK Confirm]

> ✎ • Of all the files stored in the memory card, the unprotected files in the DCIM subfolder will be deleted. Remember that this will permanently delete unprotected images. Important shots should be stored on a computer before deletion takes place. The startup image is stored in the camera's internal memory (i.e., not on the memory card) and it will not be deleted even if you delete all files on the memory card.
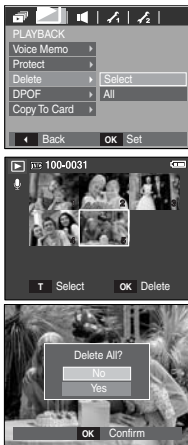
## DPOF

- DPOF(Digital Print Order Format) allows you to embed printing information on your memory card's MISC folder. Select the pictures to be printed and how many prints to make.

- The DPOF indicator will display on the LCD monitor when an image that has DPOF information plays back. Images can then be printed on DPOF printers, or at an increasing number of photo labs.

- This function is not available for Movie clips and Voice recording files.

- When the wide angle image is printed as a wide angle print, 8% of the left and right side of the image may not be printed. Check that your printer can support the wide angle image when you print the image. When you print the image at a photo lab, request that the image is printed as a wide angle image. (Some photo labs may not support the wide angle size print.)

## Playback ( ▶ )

■ Standard

This function allows you to embed printing quantity information on a stored image.

1. Press the Up / Down button and select the [DPOF] menu tab. And then press the Right button.

2. Press the Right button again and [Standard] sub menu will display.

3. Select a desired sub menu by pressing the Up / Down button and press the OK button.
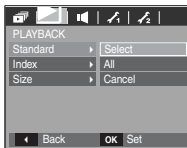
   [Select] : Selection window for an image to print is displayed.

   - Up / Down / Left / Right : Select an image to print.

   - Zoom W / T Button : Select the number of prints.

   [All] : Configure number of prints for all pictures except movie and voice files.

   - W / T button : Select a number of prints

   [Cancel] : Cancel the print setup.

4. Press the OK button to confirm the setting. If an image carries DPOF instructions, the DPOF indicator ( ♙ ) will show.
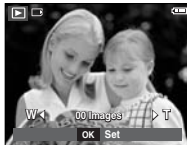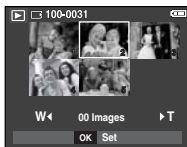
■ Index

Images (except for movie clips and voice file) are printed as index type.

1. Press the Up / Down button and select the [DPOF] menu tab. And then press the Right button.

2. Press the Right button again and [Index] sub menu will display.

3. Select a desired sub menu by pressing the UP / DOWN button.

   If [No] is selected : Cancel the index print setting.

   If [Yes] is selected : The image will be printed in index format.

4. Press the OK button to confirm the setting.
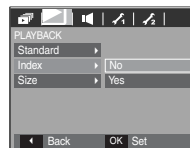
# Playback ( ▶ )

■ Print size

You can specify the print size when printing images stored on the memory card. The [Size] menu is available only for DPOF 1.1 compatible printers.

1. Press the Up / Down button and select the [DPOF] menu tab. And then press the Right button.

2. Press the Right button again and select the [Size]. Sub menu will display.

3. Select a desired sub menu by pressing the UP / DOWN button and press the OK button.
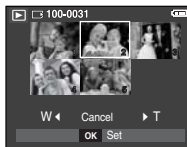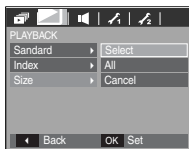
   [Select] : Selection window to change the printed size of the image is displayed.

   - Up / Down / Left / Right : Select an image.

   - Zoom W / T Button : Change the print size.

   - OK button : Your changes will be saved and the menu will disappear.

   [All] : Change print size of all saved images.

   - W / T button : Select a print size
   - OK button : Confirm the changed setting.

   [Cancel] : Cancel all of the print size settings.

※ DPOF [Size] secondary menu : Cancel, 3X5, 4X6, 5X7, 8X10

| PLAYBACK | |
|---|---|
| Sandard | ► Select |
| Index | ► All |
| Size | ► Cancel |
| ◄ Back | OK Set |

☐ 100-0031

W ◄ Cancel ► T
OK Set

W ◄ Cancel ► T
OK Set

## Copy To Card

This enables you to copy image files, movie clips and voice recording files to the memory card.

1. Select the [Copy To Card] menu tab by pressing the Up / Down button. And then press the Right button.

2. Select a desired sub menu by pressing the UP/ DOWN button and press the OK button.
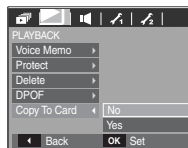
   - [No] : Cancels "Copy to Card".

   - [Yes] : All images, movie clips and voice recording files saved in the internal memory are copied to the memory card after the [Processing!] message is displayed. After copying has been completed, the screen will return to play mode.

| PLAYBACK | |
|---|---|
| Voice Memo | ► |
| Protect | ► |
| Delete | ► |
| DPOF | ► |
| Copy To Card | ◄ No |
| | Yes |
| ◄ Back | OK Set |

📖 • Depending on the manufacturer and print model, cancelling the printing may take a little longer for the printer to process.

# Playback ( ▶ )

📝
- [Copy To Card] will not be selected without inserting a memory card.
- If there is not enough space available in the memory card to copy saved images in the internal memory (10 MB), the [Copy To Card] command will copy only some of the images and display [Memory Full!] message. Then the system will return to the playback mode. Please be sure to delete any unnecessary files to free up space before inserting the memory card into the camera.
- When you move the images that are stored in the internal memory by doing [Copy To Card] to the card, the next number of file names will be created in the card to avoid duplication of the file name.
  - When the [Reset] of the [File] setup menu is set : The copied file names start from after the last stored file name.
  - When the [Series] of the [File] setup menu is set : The copied file names start from after the last captured file name. After completing [Copy To Card], the last stored image of the last copied folder is displayed on the LCD monitor.

# PictBridge

You can use the USB cable to connect this camera to a printer that supports PictBridge (sold separately) and print the stored images directly. Movie clips and voice files cannot be printed.

- Setting up the camera for connection to the printer

  1. Connect the camera and printer with USB cable.
  2. Select the [Printer] menu by pressing Up / Down button and press the OK button.



| Select USB |
| Computer |
| Printer |
| **OK** Confirm |

- Connecting the Camera to a Printer
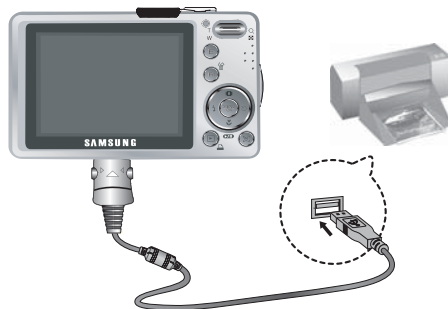


※ If the [USB] menu is set to the [Computer], you cannot connect a Pictbridge compatible printer to the camera through USB cable with [Connecting Computer] message. In this case, remove the cable and do the step 1 and 2 again.

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# PictBridge

■ Easy printing

When you connect the camera to printer in the Play back mode, you can print a picture easily.

- Pressing the Left / Right button : Selects a previous / next image.

- Pressing the printer ( 🖶 ) button : Currently displayed image will be printed with the printer's default setting.

# PictBridge : Picture Selection

You can select images you want to print.

■ Setting the Number of Copies to Print

1. Press the Menu button and the PictBridge menu will display.

2. Use the Up / Down buttons to select the [Images] menu and press the Right button.

3. Use the Up / Down buttons to select a desired sub menu and press the OK button.
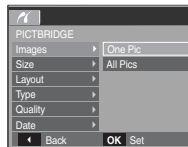
   - Select [One Pic] or [All Pics]. A screen where you can set the number of copies to print will appear as shown below.

[When [One Pic] is selected]     [When [All Pics] is selected]

   - Press the Up / Down button to select the number of prints.

   - When [One Pic] is selected : Use the Left / Right button to select another picture. After selecting another picture, select the number of prints for another picture.

   - After setting the number of prints, press the OK button to save.

   - Press the Shutter button to return to the menu without setting the number of prints.

4. Press the Print button ( 🖶 ) and images will be printed.

# PictBridge : Print Setting

You can select the Paper Size, Print Format, Paper Type, Print Quality, Date Print, and File Name Print menus for printed pictures.

1. Press the Menu button and the PictBridge menu will display.
2. Use the Up / Down buttons to select the desired menu, and then press the Right button.
3. Use the Up / Down buttons to select the desired sub menu value, and then press the OK button.
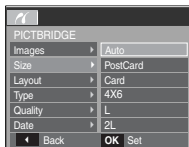
| Menu | Function | Sub menu |
|---|---|---|
| Size | Set the size of the printing paper | Auto, PostCard, Card, 4X6, L, 2L, Letter, A4, A3 |
| Layout | Set the number of pictures to be printed on a sheet of paper | Auto, Full, 1, 2, 4, 8, 9, 16, Index |
| Type | Set the quality of the printing paper | Auto, Plain, Photo, FastPhoto |
| Quality | Set the quality of the picture to be printed | Auto, Draft, Normal, Fine |
| Date | Set whether to print the date | Auto, Off, On |
| File Name | Set whether to print the file name | Auto, Off, On |

※ Some menu options are not supported on all printers.
  If not supported, the menus are still displayed in the LCD, but are not selectable.

# PictBridge : Reset

Initialises user-changed configurations.

1. Use the Up / Down buttons to select the [Reset] menu tab. And then press the Right button.
2. Use the Up / Down buttons to select the desired sub menu value, and then press the OK button.
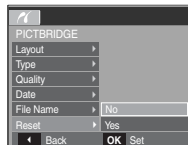
   If [No] is selected : Settings will not be reset.

   If [Yes] is selected : All print and image settings will be reset.

※ Default print setting varies depending on the printer manufacturer. For your printer's default setting, refer to the user's guide that came with your printer.

# Important notes

Be sure to observe the following precautions!

● This unit contains precision electronic components. Do not use or store this unit in the following locations.

- Areas exposed to severe changes in temperature and humidity.
- Areas exposed to dust and dirt.
- Areas exposed to direct sunlight or the inside of a vehicle in hot weather.
- Environments where there is high magnetism or excessive vibration.
- Areas with high explosives or highly flammable materials.

● Do not leave this camera in places subject to dust, chemicals (like naphthalene and mothballs), high temperature and high humidity. Keep this camera with silica gel in a hermetically sealed box when not planning to use the camera for a long period of time

● Sand can be particularly troublesome to cameras.

- Do not let sand get inside the camera when using it on beaches, coastal dunes, or other areas where there is lots of sand.
- Doing so may result in failure or may permanently render the camera unusable.

● Handling the camera

- Never drop the camera or subject it to severe shocks or vibrations.
- Protect the large size LCD monitor from an impact. When this camera is not used, keep it in the camera case.
- Avoid obstructing the lens or the flash when you capture an image.
- This camera is not waterproof.
  To avoid dangerous electrical shocks, never hold or operate the camera with wet hands.

- If you use this camera in wet places, such as beach or pool, do not let water or sand get inside the camera. Doing so may result in failure or may permanently damage the unit.

● Extremes in temperature may cause problems.
- If the camera is transferred from a cold to a warm and humid environment, condensation can form on the delicate electronic circuitry. If this occurs, turn the camera off and wait for at least 1 hour until all moisture is dispersed. Moisture built up can also occur on the memory card. If this happens, turn off the camera and remove the memory card. Wait until the moisture has dispersed.

● Caution on Using the Lens

- If the lens is subjected to direct sunlight, it could result in the discoloration and deterioration of the image sensor.
- Take care not to get fingerprints or foreign substances on the surface of the lens.

● If the digital camera is not used for a long period, an electric discharge can occur. It is a good idea to remove the battery and the memory card if you do not intend using the camera for an extended period of time.

● If the camera is exposed to an electronic interference, it will turn itself off to protect the memory card.

## Important notes

• Camera Maintenance
 - Use a soft brush (available from photo stores) to gently clean the lens and LCD assemblies. If this does not work, lens-cleaning paper with lens cleaning fluid can be used.
 Clean the camera body with a soft cloth. Do not allow this camera to come into contact with solvent materials such as benzol, insecticide, thinners etc. This may damage the body shell of the camera and also affect its performance. Rough handling can damage the LCD monitor. Take care to avoid damage and keep the camera in its protective carry case at all times when not in use.

• Do not attempt to disassemble or modify the camera.

• Under certain conditions, static electricity can cause the flash unit to fire. This is not harmful to the camera and is not a malfunction.

• When images are uploaded or downloaded, the data transfer may be affected by static electricity. In this case, disconnect and re-connect the USB cable before trying the transfer again.

• Before an important event or going on a trip, you should check the camera condition.
 - Take a picture for testing the camera condition and prepare extra battery.
 - Samsung cannot be held responsible for camera malfunctions.

## Warning indicator

There are several warnings that may appear on the LCD display.

**[ Card Error !]**
・Memory card error
→ Turn off the camera power and turn it on again
→ Insert the memory card again
→ Insert and format the memory card (p.58)

**[ Card Locked! ]**
・The memory card is locked
→ SD/SDHC memory card : Slide the write protect switch to the top of the memory card

**[ No Card! ]**
・A memory card is not inserted
→ Insert the memory card again
→ Turn off the camera power and turn it on again

**[ No Image! ]**
・There are no images stored on the memory
→ Take images
→ Insert a memory card that is holding some images

# Warning indicator

**[ File Error! ]**
・File error
→ Delete the file.

・Memory card error
→ Contact a camera service centre.

**[ Low Battery! ]**
・There is low battery capacity
→ Insert fresh batteries.

**[ Low Light! ]**
・When taking pictures in dark places
→ Take pictures in Flash Photography mode.

# Before contacting a service centre

Please check the following

**The camera doesn't switch on**
・There is low battery capacity
→　Insert fresh batteries. (p.15)

・Battery is inserted incorrectly with the polarities reversed.
→ Insert the battery according to the polarity marks (+, -).

**The camera power ceases while in use**
・The battery is exhausted
→ Insert fresh batteries.

・The Camera is turned off automatically
→ Turn on the camera power again.

**Battery power quickly drains**
・The Camera is being used in low temperatures
→ Keep the camera in warm conditions (i.e. inside a coat or jacket) and only remove it in order to take images.

## Before contacting a service centre

**Camera does not take images when pressing the Shutter button**

· There is insufficient memory capacity
  → Delete unnecessary image files

· The memory card has not been formatted
  → Format the memory card (p.58)

· The memory card is exhausted
  → Insert a new memory card

· The memory card is locked
  → Refer to [Card Locked!] error message

· The camera's power is off
  → Turn the camera power on

· The battery is exhausted
  → Insert fresh batteries (p.15)

· Battery is inserted incorrectly with the polarities reversed.
  → Insert the battery according to the polarity marks (+, -)

**The camera suddenly stops working while in use**

· The camera stopped due to a malfunction
  → Remove /re-insert battery and switch the camera on

**The images are unclear**

· A picture was taken of the subject without setting an appropriate
  macro mode
  → Select an appropriate macro mode to take a clear image.

· Taking a picture beyond the flash range
  → Take a picture within the flash range

· The lens is smudged or dirty
  → Clean the lens

The flash does not fire

· Flash off mode has been selected
  → Dis-engage flash off mode

· The camera mode can't use the flash
  → Refer to the FLASH instruction (p.30)

**Incorrect date and time is displayed**

· The date and time have been set incorrectly or the camera has
  adopted the default settings
  → Reset the date and time correctly

**The camera buttons do not operate**

· Camera malfunction
  → Remove/re-insert battery and switch the camera on

**A card error has occurred while the memory card is in the camera.**

· Incorrect memory card format
  → Re-format the memory card

**The images don't play back**

· Incorrect file name (Violation of DCF format)
  → Do not change the image file name

**Colour of image is different to the original scene**

· White balance or effect setting is incorrect
  → Select appropriate White balance and effect

## Before contacting a service centre

**Images are too bright**

· Exposure is excessive
  → Reset exposure compensation

**No image on external monitor**

· The external monitor has not been connected properly with
  the camera
  → Check the connection cables

· There are incorrect files in the memory card
  → Insert a memory card that has correct files

**When using the PC's explorer, the [Removable Disk] file does not show**

· Cable connection is incorrect
  → Check the connection

· The camera is off
  → Turn the camera on

· The operating system is not Windows 98SE, 2000, ME, XP, Vista /
  Mac OS 10.0 - 10.4. Alternatively the PC does not support USB
  → Install Windows 98SE, 2000, ME, XP, Vista / Mac OS 10.0 - 10.4 to
    PC that supports USB

· The camera driver is not installed
  → Install a [USB Storage Driver]

## Specifications

**Image Sensor**   - Type : 1/2.5" CCD
                   - Effective Pixel : L830 : Approx. 8.1 Mega-pixel
                                       L730 : Approx. 7.2 Mega-pixel
                   - Total Pixel : L830 : Approx. 8.3 Mega-pixel
                                   L730 : Approx. 7.4 Mega-pixel

**Lens**   - Focal Length : NV Lens f = 6.3 ~ 18.9mm
                            (35mm film equivalent : 38 ~ 114mm)
           - F No. : F 3.0 ~ F 7.7(Wide), F 5.6~F 14.1(Tele)
           - Digital Zoom : L830 : · Still Image mode : 1.0X ~ 5.0X
                                    · Play mode : 1.0X ~ 12.8X
                                     (depends on image size)

                            L730 : · Still Image mode : 1.0X ~ 5.0X
                                   · Play mode : 1.0X ~ 12.0X
                                    (depends on image size)

**LCD Monitor**   - 2.5" color TFT LCD (230,000 dots)

**Focusing**   - Type : TTL auto focus, Center-AF, Multi-AF, Face
                        Recognition AF
               - Range

|        | Normal          | Macro         | Auto Macro      |
|--------|-----------------|---------------|-----------------|
| Wide   | 80cm ~ Infinity | 10cm ~ 80cm   | 10cm ~ Infinity |
| Tele   |                 | 50cm ~ 80cm   | 50cm ~ Infinity |

**Shutter**   - Speed 1 ~ 1/1,500 sec. (Manual : 8 ~ 1/1,500 sec.)

## Specifications

| | |
|---|---|
| **Exposure** | - Control : Program AE |
| | - Metering : Multi, Spot, Face Recognition |
| | - Compensation : ±2EV (1/3EV steps) |
| | - ISO : L830 : Auto, 80, 100, 200, 400, 800, 1600 |
| |      L730 : Auto, 80, 100, 200, 400, 800, 1600 |

**Flash**
- Modes : Auto, Auto & Red-eye reduction, Fill-in flash, Slow sync, Flash off, Red-eye Fix
- Range : Wide : 0.2m ~ 4.6m, Tele : 0.5m ~ 2.6m(ISO AUTO)
- Recharging Time : Approx. 4 sec

**Sharpness** - Soft+, Soft, Normal, Vivid, Vivid+

**Color Effect** - Normal, B&W, Sepia, Red, Blue, Green, Negative, Custom Color

**White Balance** - Auto, Daylight, Cloudy, Fluorescent_H, Fluorescent_L, Tungsten, Custom

**Voice Recording** - Voice Recording (max. 10 hours)
- Voice Memo in Still Image (max. 10 sec.)

**Date Imprinting** - Date, Date & Time, Off (user selectable)

**Shooting** - Still Image
- Mode : Auto, Program, ASR, Manual, Scene, Portrait, Night
- Scene : Children, Landscape, Close-up, Text, Sunset, Dawn, Backlight, Fireworks, Beach & Snow
- Shooting : Single, Wise shot, Continuous, AEB, Motion Capture
- Self-timer : 2 sec., 10 sec., Double

- Movie Clip
  · With Audio or without Audio(user selectable, recording time : memory capacity dependent)
  ※ The maximum memory capacity of continuous movie clip is 2 hours.
  · Size : 800x592, 640x480, 320x240
    (20fps Only 800x592 quality)
    (30fps / 15fps Only 640x480, 320x240 quality)
  · Frame rate : 30 fps, 20 fps, 15 fps

**Storage** - Media
  · Internal memory : 10MB flash memory
  · External Memory (Optional)
    : SD (up to 2GB guaranteed)
    SDHC Card (up to 4GB guaranteed)
    MMC Plus (Up to 1GB, 4bit 20MHz)
- File Format
  · Still Image : JPEG (DCF), EXIF 2.2, DPOF 1.1, PictBridge 1.0
  · Movie Clip : AVI (MPEG-4)
  · Audio : WAV

· L830    - Image Size

| 8ᴹ | 7ᴹ | 6ᴹ | 5ᴹ | 3ᴹ | 1ᴹ |
|---|---|---|---|---|---|
| 3264X 2448 | 3264X 2176 | 3264X 1836 | 2592X 1944 | 2048X 1536 | 1024X 768 |

· L730

| 7ᴹ | 6ᴹ | 5ᴹ | 5ᴹ | 3ᴹ | 1ᴹ |
|---|---|---|---|---|---|
| 3072X 2304 | 3072X 2048 | 3072X 1728 | 2592X 1944 | 2048X 1536 | 1024X 768 |

## Specifications

- Capacity (256 MB Size)

· L830

| | 8ᴹ | 7ᴹ | 6ᴹ | 5ᴹ | 3ᴹ | 1ᴹ |
|---|---|---|---|---|---|---|
| Super Fine | 53 | 63 | 76 | 94 | 142 | 459 |
| Fine | 104 | 118 | 144 | 181 | 264 | 710 |
| Normal | 151 | 197 | 223 | 256 | 363 | 822 |

· L730

| | 7ᴹ | 6ᴹ | 5ᴹ | 5ᴹ | 3ᴹ | 1ᴹ |
|---|---|---|---|---|---|---|
| Super Fine | 67 | 80 | 95 | 95 | 142 | 459 |
| Fine | 128 | 157 | 183 | 183 | 269 | 710 |
| Normal | 188 | 223 | 269 | 269 | 363 | 822 |

※ These figures are measured under Samsung standard conditions and may vary depending on shooting conditions and camera settings.

**"E" Button** - Effect : Color, Image Adjust, Fun
( Highlight, Composite, Photo Frame)

- Editing : Resize, Rotate, Color, Special Color, Image Adjust (Red Eye Fix, Brightness, Contrast ,Saturation ,Add Noise), Fun (Cartoon , Highlight, Composite, Photo Frame, Sticker)

**Image Play** - Type : Single image, Thumbnails, Slide show, Movie Clip

**Interface** - Digital output connector : USB 2.0 High Speed

- Audio : Mono

- Video output : NTSC, PAL (user selectable)

**Power Source** - Rechargeable battery : SLB-0937, 3.7V (900mAh)

- Adaptor : SAC-46 (DC 4.2V, 450mA)

**Dimensions (WxHxD)**

- 95 X 59 X 21mm (excluding protrusions)

**Weight** - Approx. 132.6g (without batteries and card)

**Operating Temperature**

- 0 ~ 40° C

**Operating Humidity**

- 5 ~ 85%

**Software** - Samsung Master, Adobe Reader

※ Specifications are subject to change without prior notice.
※ All trademarks are the property of their respective owners.

## Software Notes

Please ensure that you read the instruction manual carefully before use.

- The attached software is a camera driver and image editing software tool for Windows.

- Under no circumstances should all or part of either the software or the user manual be reproduced.

- Copyrights for software are licensed only for use with a camera.

- In the unlikely event of a manufacturing fault, we will repair or exchange your camera.
  We cannot, however, be held responsible in any way for damage caused by inappropriate use.

- Using a Hand-made PC or a PC and OS that has not been guaranteed by the manufacturer is not covered by the Samsung warranty.

- Before reading this manual, you should have a basic knowledge of computers and O/S (Operating Systems).

## System Requirements

| For Windows | For Macintosh |
|---|---|
| PC with processor better than Pentium II 450MHz (Pentium 800MHz recommended) | Power Mac G3 or later |
| Windows 98SE / 2000 / ME / XP/Vista | Mac OS  10.0 ~ 10.4 |
| Minimum 128MB RAM (Over 512MB recommended) 200MB of available hard disk space (Over 1GB recommend) | Minimum 64MB RAM 110MB of available hard-disk space |
| USB port | USB port |
| CD-ROM drive | CD-ROM drive |
| 1024x768 pixels, 16bit color display compatible monitor (24bit color display recommended) MicroSoft DirectX 9.0C | MPlayer (For movie clip) |

## About the software

After inserting the CD-ROM provided with this camera into the CD-ROM drive, the following window should automatically run.



Before connecting the camera to the PC, you should first install the camera driver.

■ Camera driver : This enables images to transfer between the camera and PC.

This camera uses the USB Storage Driver as the camera driver. You can use the camera as a USB card reader. After installing the driver and connecting this camera to the PC, you can find [Removable Disk] in [Windows Explorer] or [My computer]. A USB Storage Driver is provided only for Windows. A USB Driver for MAC is not included with the Application CD. You can use the camera with Mac OS 10.0~10.4.

■ Samsung Master : This is the all-in-one multi media software solution.

You can download, view, edit and save your digital images and movie clips with this software. This software is only compatible with Windows.

- Be sure to check the system requirements before installing the driver.
- You should allow 5 ~ 10 seconds for running the automatic setup program according to the capability of your computer. If the frame does not appear, run the [Windows Explorer] and select [Installer.exe] in the CD-ROM Drive root directory.

## Setting up the application software

To use this camera with a PC, install the application software first.
After this has been done, the stored images in the camera can be moved to
the PC and can be edited by an image editing program.

- You can visit the Samsung web-site through the internet.

  http://www.samsungcamera.com : English
  http://www.samsungcamera.co.kr : Korean

1. The auto run frame will display.
   Click the [Install] menu in the
   Auto run frame.

2. Install the camera driver, DirectX, XviD, Samsung Master and
   Adobe Reader by selecting a button shown on the monitor. If a latest
   version of DirectX was installed on your computer, DirectX may not
   be installed.
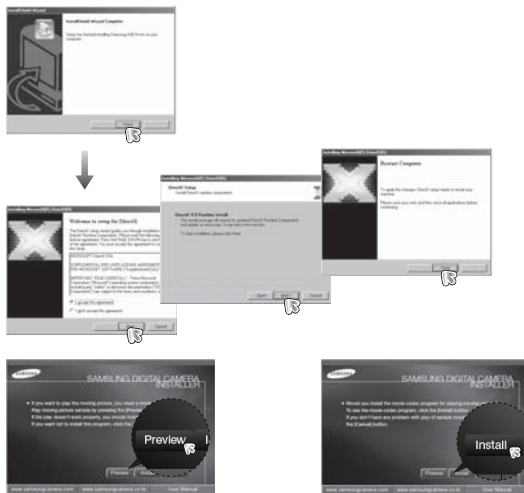
※ The XviD codec is distributed according to the GNU General Public
   License and everyone can copy, distribute and change this codec. This
   License applies to any program or other work which contains a notice
   placed by the copyright holder saying it may be distributed under the
   terms of this General Public License. For more information, see the
   License documents (http://www.gnu.org/copyleft/gpl.html).

## Setting up the application software



3. After restarting the computer, connect the PC to the camera with the USB cable.

4. Turn the camera power on. The [Found New Hardware Wizard] will open and the computer will recognise the camera.



※ If your OS is Windows XP/ Vista, an image viewer program will open. If the download window of Samsung Master opens after starting Samsung Master, the camera driver was set up successfully.
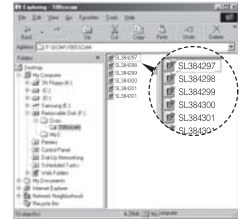
## Setting up the application software

📝
- If you have installed the camera driver, the [Found New Hardware Wizard] may not open.
- On a Windows 98SE system, the Found New Hardware Wizard dialog box opens and a window asking you to select a driver file may appear. In this case, specify "USB Driver" in the CD supplied.
- PDF documents of user manual are included in the Software CD-ROM supplied with this camera. Search the PDF files with Windows explorer.
  Before opening the PDF files, you must install the Adobe Reader included in the Software CD-ROM.
- To install the Adobe Reader 6.0.1 correctly, Internet Explorer 5.01 or later has to be installed. Visit "www.microsoft.com" and upgrade the Internet Explorer.

## Starting PC mode

If you connect the USB cable to a USB port on your PC and then turn on the power, the camera will automatically switch to "computer connection mode".

In this mode, you can download stored images to your PC through the USB cable.

■ Camera settings for connection

1. Turn on the camera
2. Connect the camera and computer with the supplied USB cable.
3. Turn on the computer. The camera and computer are connected.
4. External device selection menu will be displayed on the LCD monitor.
5. Select the [Computer] by pressing the Up / Down button and press the OK button.

Select USB
Computer
Printer
OK Confirm

## Starting PC mode

- Connecting the camera to a PC



※ If you selected [Printer] in Step 5, when you connect the camera to your computer, the [Connecting Printer] message will display and the connection will not be established.
In this case, disconnect the USB cable, and then follow the procedure from Step 2 and onward.

- Disconnecting the camera and PC
Refer to page 101 (Removing the removable disk).

- Downloading stored images

You can download the still images stored on the camera to your PC's hard disk and print them or use a photo editing software to edit them.

1. Connect the camera to your PC with the USB cable.

2. On your computer's desktop display, select [My computer] and double click [Removable Disk → DCIM→ 100SSCAM]. The image files will then be displayed.
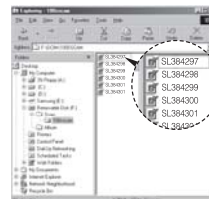


3. Select an image and press the right mouse button.
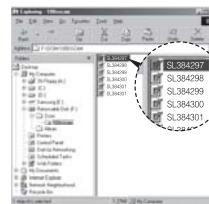
## Starting PC mode

4. A pop-up menu will open. Click the [Cut] or [Copy] menu.
   - [Cut]  : cuts a selected file.
   - [Copy] : copies files.
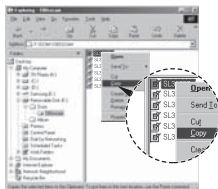
5. Click a folder where you want to paste the file.

6. Press the right mouse button and a pop-up menu will open. Click [Paste].
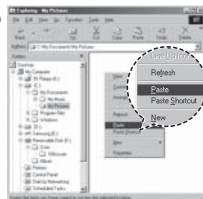
7. An image file is transferred from the camera to your PC.
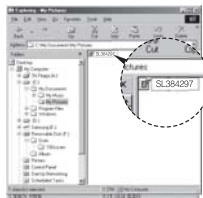
- By using [Samsung Master], you can see the stored images in the memory directly on the PC monitor and you can copy or move the image files.

- We recommend that you should copy the images to the PC to view them. Opening images directly from the removable disk may be subject to unexpected disconnection.

- When you upload a file that is not taken by this camera to the Removable Disk, the [File Error!] message will be displayed on the LCD monitor in the PLAY mode, and nothing is displayed in THUMBNAIL mode.

## Removing the removable disk

- Windows 98SE

  1. Check whether the camera and PC are transferring a file.
     If the camera status lamp blinks, please wait until the lamp has
     finished blinking and is constantly on.
  2. Unplug the USB cable.

- Windows 2000/ME/XP/Vista

  (The illustrations may differ from those shown depending on the Windows
  O/S.)

  1. Check whether the camera and PC are transferring a file.
     If the camera status lamp blinks, please wait until the lamp has
     finished blinking and is constantly on.

  2. Double-click the [Unplug or Eject
     Hardware] icon on the task bar.

     1:24 PM

     [Double-click!]

  3. The [Unplug or Eject Hardware] window
     will open. Select the [USB Mass Storage
     Device] and click the [Stop] button.

  4. The [Stop a Hardware device] window
     will open. Select the [USB Mass Storage
     Device] and click the [OK] button.

  5. A [Safe to Remove Hardware] window will
     open. Click the [OK] button.

  6. A [Unplug or Eject Hardware] window
     will open. Click the [Close] button and the
     removable disk will be removed safely.

  7. Unplug the USB cable.

## Setting up the USB Driver for MAC

1. A USB Driver for MAC is not included with the software CD as MAC OS supports the camera driver.

2. Check the MAC OS version during start-up.
   This camera is compatible with MAC OS 10.0 ~ 10.4.

3. Connect the camera to the Macintosh and turn the camera power on.

4. A new icon will be displayed on the desktop after connecting the camera to the MAC.

## Using the USB Driver for MAC

1. Double click a new icon on the desktop and the folder in the memory will be displayed.

2. Select an image file and copy or move it to MAC.

- For Mac OS 10.0 or later : First complete uploading from computer to camera and then remove the removable disk with the Extract command.

## Removing the USB Driver for Windows 98SE

To remove the USB driver, refer to the process shown below.

1. Connect the camera to your PC and turn them on.

2. Check whether the Removable Disk is on the [My Computer].

3. Remove the [Samsung Digital Camera] on the Device manager.



4. Disconnect the USB cable.

5. Remove the [Samsung USB Driver] on the Add/Remove Programs Properties.



6. Uninstallation is complete.

# Samsung Master

You can download, view, edit and save your images and movies with this software. This software is only compatible with Windows.

To start the program, click [Start → Programs → Samsung → Samsung Master → Samsung Master].

■ Downloading images

1. Connect the camera to your PC.

2. A window for downloading images will be displayed after connecting the camera to your PC.

   - To download the captured images, select the [Select All] button.

   - Select desired folder in the window and click the [Select All] button. You can save captured images and selected folder.

   - If you click the [Cancel] button, downloading will be cancelled.

3. Click [Next >] button.

4. Select a destination and make a folder to save downloaded images and folders.

   - Folder names can be made in order of date and images will be downloaded.

   - Folder name will be made as you want and images will be downloaded.

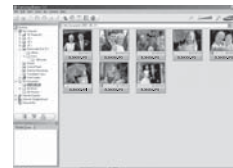   - After selecting a folder that was made before, images will be downloaded.

5. Click [Next >] button.

6. A window will open as shown alongside. The destination of the selected folder will be displayed on the upper side of the window.
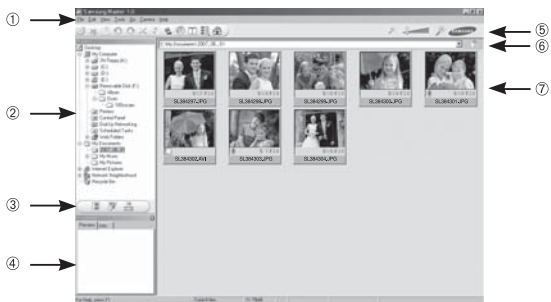   Click the [Start] button to download the images.

7. Downloaded images will be displayed.

# Samsung Master

■ Image viewer : You can view the stored images.



- Image viewer functions are listed below.

① Menu bar : You can select menus.
   File, Edit, View, Tools, Change functions, Auto download, help, etc.
② Image selection window : You can select the desired images in this window.
③ Media type selection menu : You can select image viewer, image edit and movie edit functions in this menu.
④ Preview window : You can preview an image or a movie clip and check the multi media information.
⑤ Zoom bar : You can change preview size.
⑥ Folder display window : You can see the folder location of the selected image.
⑦ Image display window : Images of the selected folder are displayed.

※ Refer to the [Help] menu in Samsung Master for further information.

■ Image edit : You can edit the still image.



- Image edit functions are listed below.

① Edit menu : You can select the following menus.
   [Tools] : You can resize or crop the selected image. See the [Help] menu.
   [Adjust] : You can modify image quality. See the [Help] menu.
   [Retouch] : You can change image or insert effects on the image. See the [Help] menu.
② Drawing tools : Tools for editing an image.
③ Image display window : A selected image displays in this window.
④ Preview window : You can preview the changed image.

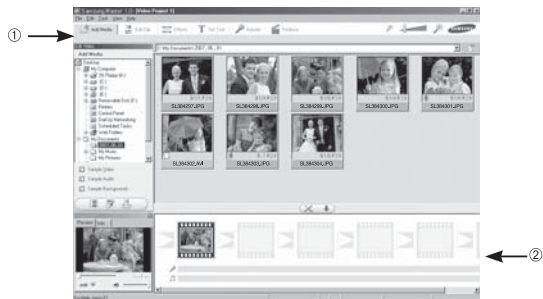※ A still image edited with Samsung Master can't be played back on the camera.
※ Refer to the [Help] menu in Samsung Master for further information.

## Samsung Master

- Movie edit : You can get the still image, movie clip, narration, music files together in a movie clip.



- Movie clip edit functions are listed below.

  ① Edit menu   : You can select the following menus.

    [Add Media] : You can add other media elements to a movie.
    [Edit Clip]   : You can change the brightness, contrast, colour and saturation.
    [Effects]    : You can insert an effect.
    [Set Text]   : You can insert texts.
    [Narrate]   : You can insert a narration.
    [Produce]   : You can save the edited multi media as a new file name. You can select AVI, Windows media (wmv) and Windows media (asf) file types.

  ② Frame display window : You can insert multi media in this window.

※ Some movie clips that were compressed with a codec that is not compatible with the Samsung Master can't play back in the Samsung Master.

※ Refer to the [Help] menu in Samsung Master for further information.

# FAQ

Please check the following if the USB connection malfunctions.

Case 1    USB cable is not connected or it is not the supplied USB cable.
→ Connect the supplied USB cable.

Case 2    The camera is not recognised by your PC.
Sometimes, the camera may appear under [Unknown Devices] in Device Manager.
→ Install the camera driver correctly.
Turn off the camera, remove the USB cable, plug in the USB cable again, and then turn on the camera.

Case 3    There is an unexpected error during file transfer.
→ Turn the camera power off and on again. Transfer the file again.

Case 4    When using the USB hub.
→ There may be a problem in connecting the camera to the PC through the USB hub if the PC and the hub are not compatible. Wherever possible, connect the camera to the PC directly.

Case 5    Are other USB cables connected to the PC?
→ The camera may malfunction when it is connected to the PC at the same time as another USB cable. In this case, disconnect the other USB cable, and connect only one USB cable to the camera.

Case 6    When I open the Device Manager (by clicking Start → (Settings) → Control Panel → (Performance and Maintenance) → System → (Hardware) → Device Manager), there are Unknown Devices or Other Devices entries with a yellow question mark(?) beside them or devices with an exclamation mark(!) beside them.
→ Right-click on the entry with the question (?) or exclamation (!) mark and select "Remove". Restart the PC and connect the camera again. For Windows 98SE PC, remove the camera driver also, restart the PC, and then reinstall the camera driver.

Case 7    In some security programs (Norton Anti Virus, V3, etc.), the computer may not recognise the camera as a removable disk.
→ Stop the security programs and connect the camera to the computer. Refer to the security program instructions about how to temporarily disable the program.

Case 8    The camera is connected to the USB port located on the front of the computer.
→ When the camera is connected to the USB port located on the front of the computer, the computer may not recognise the camera. Connect the camera to the USB port located on the back of the computer.

# FAQ

When the movie clip doesn't play back on the PC

※ When the movie clip recorded by the camera doesn't play back on the PC, the causes are mostly due to the codec installed on the PC.

■ When codec for play back the movie clip isn't installed
→ Install the codec as listed below.

[Installing codec for Windows]

1. Installing the XviD codec
   1) Insert the CD provided with the camera.
   2) Run the windows explorer and select [CD-ROM drive:\XviD] folder and click the XviD-1.1.2-01112006.exe file.
※ The XviD codec is distributed according to the GNU General Public License and everyone can copy, distribute and change this codec. This License applies to any program or other work which contains a notice placed by the copyright holder saying it may be distributed under the terms of this General Public License. For more information, see the License documents (http://www.gnu.org/copyleft/gpl.html).

[Installing codec for Mac OS]

1) Visit the following site for downloading the codec. (http://www.divx.com/divx/mac)
2) Click the [Free Download] menu on the top right side of the window then download windows appears.
3) Check the version of Mac OS and click the [Download] button to download the file and save it on a desired folder.
4) Run the downloaded file and the codec for playing back the movie clip will be installed.

※ If the movie file is not played back on the Macintosh OS, use a media player that supports Xvid codec (e.g: Mplayer).

■ When the DirectX 9.0 or later is not installed
→ Install the DirectX 9.0 or later

1) Insert the CD provided with the camera

2) Run the windows explorer and select the [CD-ROM drive:\ USB Driver\ DirectX 9.0] folder and click the DXSETUP.exe file. The DirectX will be installed. Visit the following site for downloading the DirectX.http://www.microsoft.com/directx

■ If a PC (Windows 98SE) stops responding while the camera and PC are connected repeatedly
→ If a PC (Windows 98SE) is turned on for a long time and the camera is connected repeatedly, the PC may not recognise the camera. In this case, re-start the PC.

■ If a PC connected with the camera stops responding while Windows is starting.
→ In this case, disconnect the PC and the camera and Windows will start. If the problem happens continuously, set the Legacy USB Support to disable and re-start the PC. The Legacy USB Support is in the BIOS setup menu. (The BIOS setup menu differs from the PC manufacturers and some BIOS menus don't have Legacy USB Support) If you can't change the menu by yourself, contact to the PC manufacturer or BIOS manufacturer.

■ If the movie clip can't be deleted, or the removable disk can't be extracted or an error message displays during the file transfer.
→ If you install only the Samsung Master, the problems mentioned above occasionally happen.
   - Close the Samsung Master program by clicking the Samsung Master icon on the Taskbar.
   - Install all the application programs included in the software CD.

## Correct Disposal of This Product

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

(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 wastes at the end of its working life.

To prevent possible harm to the environment or human health from uncontrolled waste disposal, please separate this from other types of wastes and recycle it responsibly to promote the sustainable re-use 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.

Samsung Techwin cares for the environment at all product manufacturing stages to preserve the environment, and is taking a number of steps to provide customers with more environment-friendly products. The Eco mark represents Samsung Techwin's will to create environment-friendly products, and indicates that the product satisfies the EU RoHS Directive.

## FCC notice

■ 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 distance between the equipment and receiver.
   - Connect the equipment to 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.

■ CAUTION :
Changes or modifications not expressly approved by the manufacturer responsible for compliance could void the user's authority to operate the equipment.

■ Declaration of Conformity

Trade Name : SAMSUNG TECHWIN
Model No. : SAMSUNG L830/L730
Responsible Party : Samsung Opto-Electronics America, INC.
Address : 40 Seaview Dr. Secaucus,NJ 07094
Telephone No. : 201-902-0347
This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

MEMO

**SAMSUNG**

Internet address - http ://www.samsungcamera.com

CE

The CE Mark is a Directive conformity
mark of the European Community (EC)

6806-4614