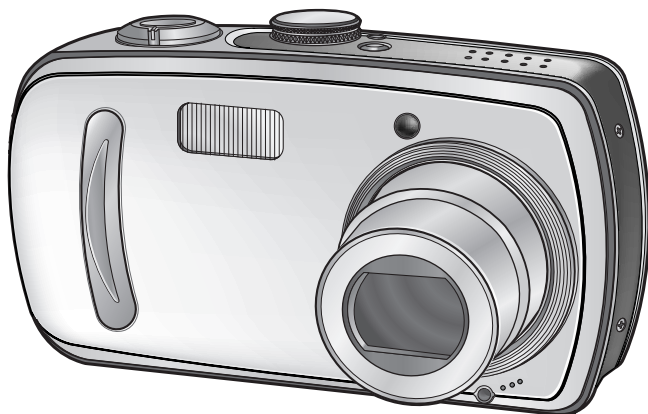


SAMSUNG



ENGLISH

SAMSUNG CAMERA

User's Manual ***Digimax V800***

Thank you for buying a Samsung Camera.

This manual will guide you through using the camera, including capturing images, downloading images and using the software applications. Please read this manual carefully before using your new camera.

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.110)

Take a picture

Take a picture (p.22)

Insert the USB cable

Insert the supplied USB cable into the PC's USB port and the camera's USB connection terminal.(p.120)

Check the camera's power

Check the camera's power. If the power is turned off, press the camera button to turn it on.(p.29)

Check [Removable Disk]

Open Window's EXPLORER and search for [Removable Disk].(p.121)

- 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.

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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 camera takes no responsibility for any loss or damages that may result from camera malfunction.
- Keep the manual in a safe place.
- * 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.

This manual contains instructions on using this camera that will help you to use this camera safely and correctly. This will help prevent danger and injury to others.



DANGER

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



WARNING

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



CAUTION

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



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 reuse of material resources. Household users should contact either the retailer where they purchased this product, or their local government office, for details of where and how they can take this item for environmentally safe recycling. Business users should contact their supplier and check the terms and conditions of the purchase contract. This product should not be mixed with other commercial wastes for disposal.

Danger

- Do not attempt to modify this camera in any way. This may result in fire, injury, electric shock or severe damage to you or your camera. Internal inspection, maintenance and repairs should 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 (batteries or AC Power Adapter). 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.

DANGER

Warning

- 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.
- When taking photographs, never point the lens of the camera directly into very strong light. This may result in permanent damage to your eyesight.
- For safety reasons keep this product and accessories out of reach of children or animals to prevent accidents e.g.:
 - Swallowing batteries 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.
- Batteries 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 recharge non rechargeable batteries. This may cause an explosion.
- Do not leave this camera in places subject to extremely high temperatures, such as a sealed vehicle, direct sunlight or other places of extreme variances 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 AC Power Adapter. 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

- Leaking, overheating, or burst batteries could result in fire or injury.
 - Use batteries with the correct specification for the camera.
 - Do not short circuit, heat or dispose of batteries in fire.
 - Do not insert the batteries with the reverse polarities.
- Remove the batteries when not planning to use the camera for a long period of time. Batteries 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 Power Adapter. After use, always switch off the camera before unplugging the adapter 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.

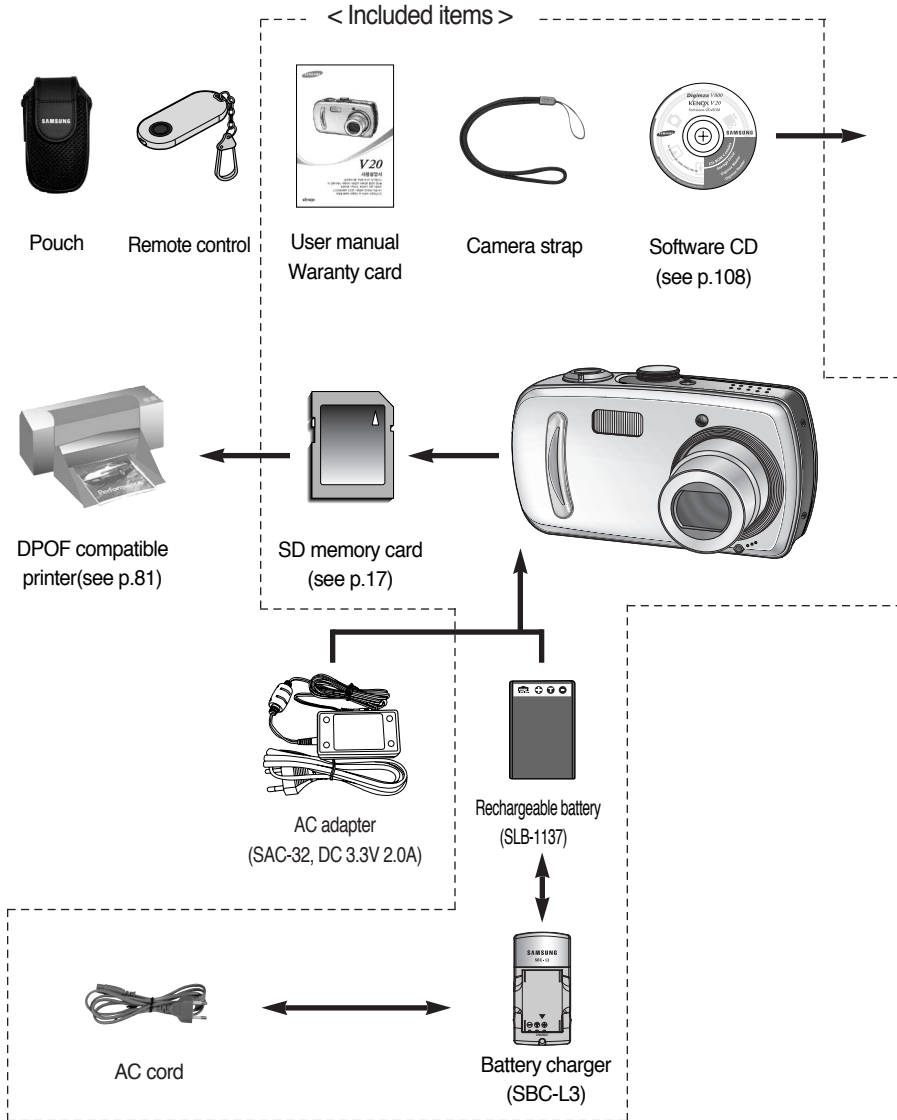
CAUTION

An FCC warning

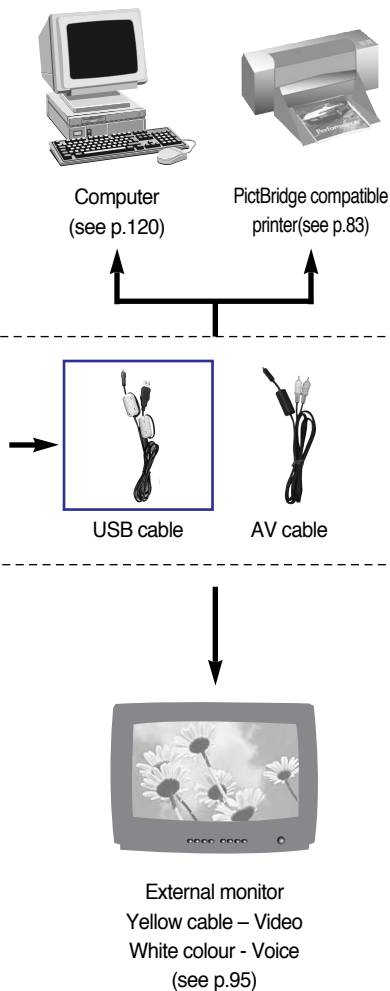
- This device has been tested in accordance with the limits of a class B digital device under item 15 of the FCC rules. These limits are designed to provide protection against harmful interference in commercial installation. This equipment generates, absorbs and can emit radio frequency energy. If it is not installed and used in accordance with the instructions, it may cause harmful interference to radio communication. There is however, no guarantee that interference will not occur in some situations. Should any interference occur when this device is in operation, please try one or more of the following measures.
 - Change the location and direction of any aerial.
 - Increase distance between the camera and the affected device.
 - Use a different socket away from the affected device.
 - Please contact a Samsung agent or a radio/TV engineer.
- This device complies with part 15 of the FCC Rules.
- Changes or modifications not expressly approved by the party responsible for compliance could void user's authority to operate the equipment.

System chart

Please check that you have the correct contents before using this product. To buy the optional equipment, contact your nearest Samsung dealer or Samsung service centre.



System chart



System Requirements

For Windows

- PC with processor better than Pentium II 450MHz (Pentium 700MHz or better is recommended)
- Windows 98/ 98SE/ 2000/ ME/ XP
- Minimum 64MB RAM (XP : 128MB)
- 200MB of available hard-disk space (Over 1GB is recommended)
- USB port
- CD-ROM drive
- 1024x768 pixels, 16-bit colour display compatible monitor (24-bit colour display recommended)
- DirectX 9.0 or later

For Macintosh

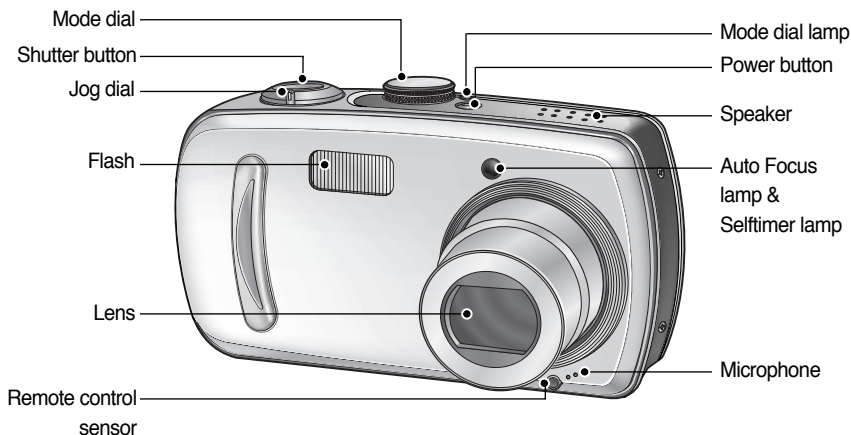
- Power Mac G3 or later
- Mac OS 10.0 or later
- Minimum 64MB RAM
- 110MB of available hard-disk space
- USB port
- CD-ROM drive

CAUTION

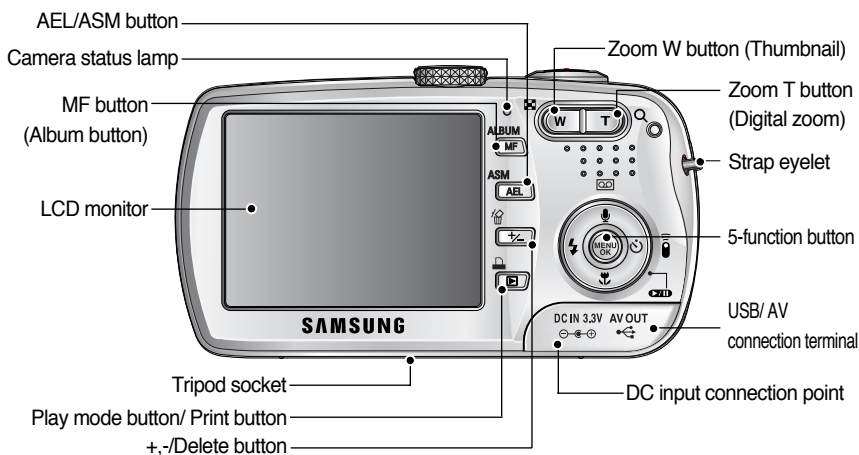
When you connect the camera to a computer, printer or external monitor, you have to use the USB/ AV cable supplied with the camera, or the external devices can't recognise the camera.

Identification of features

Front & Top

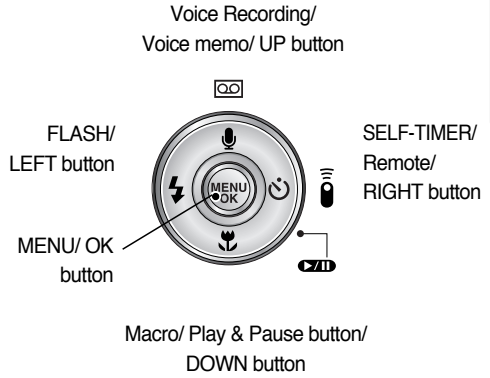
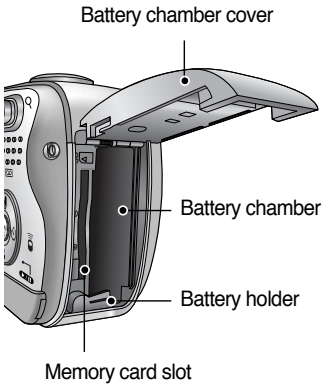


Back



Identification of features

Side/ 5-function button



Identification of features

■ Self-timer lamp (Based on 10-second Self-timer; see p. 37)

Colour	Status	Camera Status
Red	Blinking	- For the first 8 seconds, the LED blinks at 1second intervals. - For the final 2 seconds, the LED blinks quickly at 0.25-second intervals.

■ Auto focus indicator lamp

Colour	Status	Camera Status
Green	Blinking	Recording Mode (lightly press the shutter button): Not focused PC Mode: Transmitting Data
	On	Recording Mode (lightly press the shutter button): Focused

■ Flash indicator lamp

Colour	Status	Camera Status
Red	Blinking	Flash in the process of charging
	ON	Flash ready

■ Mode dial lamp

Colour	Status	Camera Status
Green	ON	Turned off the LCD with the LCD button. PC Mode: When the USB cable is inserted.

■ Mode icons

MODE	AUTO	PROGRAM	A priority	S priority	Manual	MySET	VOICE RECORDING	MOVIE CLIP	PLAY		
Icon											
MODE	SCENE										
	Night	Portrait	Children	Landscape	Close up	Text	Sunset	Dawn	Backlight	Fireworks	Beach & Snow
Icon											

Connecting to a Power Source

- You should use the rechargeable battery (SLB-1137) supplied with the camera.
- SLB-0837 rechargeable battery Specification

Model	SLB-1137
Type	Lithium Ion
Capacity	1,130mAh
Voltage	3.7V
Charging time	Approx. 170 MIN (Using the SBC-L3)

- Number of images and battery life

Still image		Movie	
Battery life	Number of images	Recording time	
Approx. 110 MIN	Approx. 190	Approx. 90 MIN	
Based on the following shooting conditions	Using the fully charged battery, Auto mode 5M image size, Fine image quality Shot to shot interval : 30Sec. Changing the zoom position between the Wide and the Tele ends every 1 shot. Using the flash every two times	Based on the following shooting 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 way of user's usage.

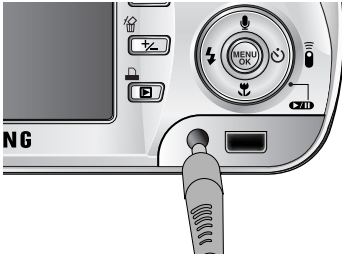
INFORMATION

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.
The battery 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.
- Battery 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

Using the AC power adapter (SAC-32, DC 3.3V 2.0A, optional)



If you have access to a mains supply, using an AC Adapter (SAC-32, DC 3.3V 2.0A) allows the camera to be used for long periods of time. Plug the adapter into the connection point (DC IN 3.3V) on the camera. Remove the batteries from the camera when using an AC adapter.



DANGER

- Always turn off the power before taking the AC adapter out of the mains supply.
- As with all mains powered devices, safety is important. Ensure that neither the camera nor adapter comes into contact with water or metallic materials.
- Please ensure that you use an AC adapter (3.3V 2.0A) with the correct specification for the camera. Failure to do so may affect your warranty.

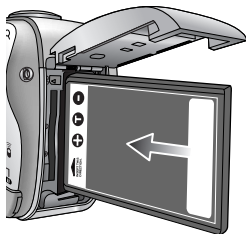
Connecting to a Power Source

Using the batteries

: If the camera does not turn on after you have inserted batteries, please check whether the batteries are inserted with the correct polarity(+/-).



1. Open the battery chamber cover by pushing in the direction of the arrow.

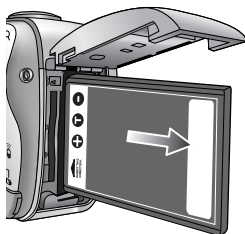


2. Insert the batteries taking note of the polarity (+ / -).



3. To close the battery chamber cover, push it until it clicks.

Removing the battery



1. Turn off the camera power. Open the battery chamber cover and move the battery holder aside. The battery will be released.
2. Take out the battery and close the battery chamber cover.

INFORMATION

- When the battery chamber cover is opened, do not press the battery chamber cover by force. This may cause the battery chamber cover modification or breakage.

- There are 4 indicators for battery condition that are displayed on the LCD monitor.

Battery indicator			
Battery status	The battery is fully charged	Prepare new battery	There is no battery capacity. Replace with new battery.

Instructions on how to use the memory card

Maintenance of the memory card

- Be sure to format the memory card (see p.91) if you are using a newly purchased memory 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 first the memory card by using this camera.
- Do not use a memory card formatted by another digital camera or memory card reader.

Preserving the memory card data

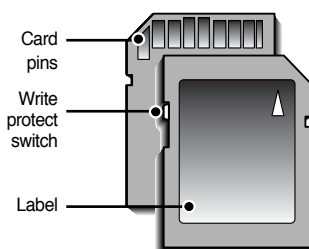
- If the memory card is subjected to any of the following, the recorded data may become corrupted :
 - When the memory card is used incorrectly.
 - If the power is switched off or the memory card is removed while recording, deleting (formatting) or reading.
- Samsung cannot be held responsible for lost 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 : If you press the shutter button for the shot, a [Card 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.

Instructions on how to use the memory card

INFORMATION

- Don't remove the memory card when the Auto focus lamp(Green) is blinking as this may cause damage to data in the memory card.

- The camera can use SD Memory Cards and MMC (Multi Media Cards).
Please consult the enclosed manual for using the the MMC Cards.



[SD(Secure Digital) memory card]

The SD 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 canceled. Slide the switch to the top of the SD memory card before taking a picture.

- When using a 32MB SD memory card, the specified shooting capacity will be as follows.
(These figures are intended as an indication of expected performance). These figures are approximate as image capacities can be affected by variables such as subject matter.

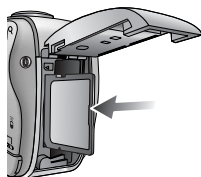
Recorded image size	TIFF	S. Fine	Fine	Normal	30 FPS	15FPS	
Still image	3072X2304	1	9	15	23	-	-
	2816X2112	1	10	18	26	-	-
	2592X1944	1	11	21	33	-	-
	2272X1704	2	14	26	40	-	-
	2048X1536	3	17	33	50	-	-
	1600X1200	4	30	51	60	-	-
	1024X768	11	60	106	129	-	-
640X480	22	121	165	202	-	-	
Movie clip	640X480	-	-	-	About 2MIN	About 4MIN	
	320X240	-	-	-	About 4MIN	About 7MIN	
	160X128	-	-	-	About 8MIN	About 15MIN	

Inserting the memory card

1. Turn off the camera's power and pull the battery chamber cover in the direction of the arrow to open.



2. 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), and then push the memory card into the card slot until you hear a click.

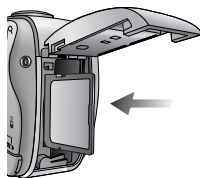


3. To close, push the battery chamber cover until you hear a click. If the memory card does not slide in smoothly, do not attempt to insert it by force. Check the direction of insertion, and then insert it correctly. Do not insert the memory card the wrong way round. Doing so may damage the memory card slot.



Removing the memory card

1. Turn the power off using the power button.
Open the battery chamber cover and press the memory card as shown in the image and release.
2. Remove the memory card and close the battery chamber cover.



INFORMATION

- When the camera is turned on, inserting or removing the memory card makes the camera power be turned off.

When Using the Camera for the First Time

- If 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 the date, time and language. Set up the date, time and language before using this camera.

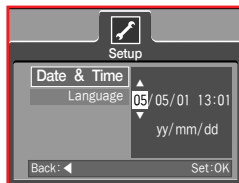
- Setting up the date, time and date type

1. Select the [D & Time] menu by pressing the UP/DOWN button and press the RIGHT button.
2. Press the UP/DOWN/LEFT/RIGHT button to select the desired sub menu and press the OK button.

RIGHT button : Selects YEAR/ MONTH/ DAY/ HOUR / MINUTE/DATE TYPE

LEFT button : Moves the cursor to the [D & 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.



- 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.

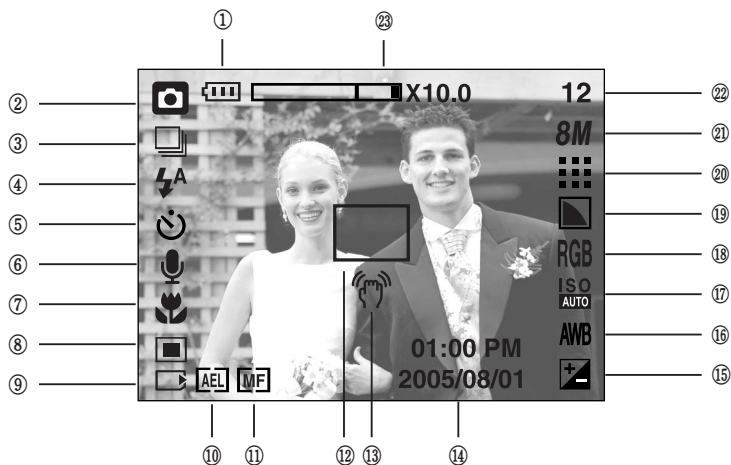


INFORMATION

- You can select 18 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) and Arabic.
- Even if the camera is restarted, the language setting will be maintained.

LCD monitor indicator

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



[Image & Full Status]

No.	Description	Icons	Page
1	Battery		p.16
2	Recording mode		p.11~12
3	Shooting type		p.52
4	Flash		p.34
5	Self-timer		p.37
6	Voice memo / MIC. Off		p.32
7	Macro		p.33
8	Metering		p.51
9	Memory card indicator		p.43
10	AEL		p.44
11	Manual/ Continuous auto focus		p.53
12	Auto focus frame		
13	Camera shake warning		p.28
14	Date/ Time	2005/08/01 01:00 PM	
15	Exposure compensation		p.42

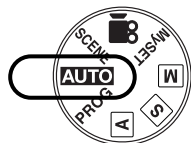
LCD monitor indicator

16	White Balance	AWB	p.41
17	ISO	ISO AUTO ISO 50 ISO 100 ISO 200 ISO 400	p.41
18	RGB	RGB	p.40
19	Sharpness		
20	Image quality		p.50
21	Image size	8M 7M 6M 5M 4M 3M 2M 1M VGA 640 320 160	p.49
22	Number of available shots remaining	12	
	Remaining time (Movie clip/ Voice recording)	00:01:30/ 01:00:00	
23	Optical/ Digital Zoom bar/ Zoom rate	X10.0	

Starting the recording mode

■ How to use the AUTO mode (**AUTO**)

1. Insert the batteries (p.16). Insert the batteries taking note of the polarity (+ / -).
2. Insert the memory card. (p.19)
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 either the viewfinder or LCD monitor.
7. Press the shutter button to capture an image.



[AUTO mode]

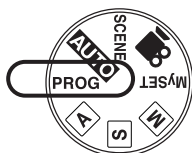
INFORMATION

- 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.

Starting the recording mode

■ How to use the PROGRAM mode (**PROG**)

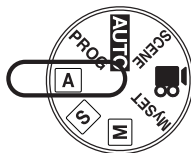
- Selecting the automatic mode will configure the camera with optimal settings. You can still manually configure all functions except the aperture value and shutter speed. Steps from 1-4 are the same as those for AUTO mode.
5. Select the PROGRAM mode by rotating the mode dial.
 6. Press the menu button to configure advanced functions such as image size (p.49), quality (p.50), metering (p.51), continuous shooting (p.52), picture effects (p.53) and special effects (p.54).
 7. Point the camera towards the subject and compose the image by using either the viewfinder or LCD monitor.
 8. Press the shutter button to capture an image.



[PROGRAM mode]

■ How to use the APERTURE PRIORITY mode (**A**)

- Steps from 1-4 are the same as those for AUTO mode.
5. Select the APERTURE PRIORITY mode by rotating the mode dial.
 6. Select the desired aperture value by rotating the jog dial.
 7. Point the camera towards the subject and compose the image by using either the viewfinder or LCD monitor.
 8. Press the shutter button to capture an image.
- * Smaller Aperture values make the object sharp but blur the background. Larger Aperture values make both the object and background sharp.



[Aperture priority mode]

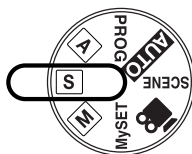
Starting the recording mode

■ How to use the SHUTTER PRIORITY mode (**S**)

Steps from 1-4 are the same as those for AUTO mode.

5. Select the SHUTTER PRIORITY mode by rotating the mode dial.
6. Select the desired shutter speed by rotating the jog dial.
7. Point the camera towards the subject and compose the image by using either the viewfinder or LCD monitor.
8. Press the shutter button to capture an image.

* 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.

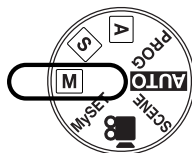


[Shutter Priority mode]

■ How to use the MANUAL mode (**M**)

Steps from 1-4 are the same as those for AUTO mode.

5. Select the MANUAL mode by rotating the mode dial.
6. Press the ASM button to select the shutter speed or the aperture value. Then select the desired shutter speed or aperture value by rotating the jog dial.
7. Point the camera towards the subject and compose the image by using either the viewfinder or LCD monitor.
8. Press the shutter button to capture an image.



[Manual mode]

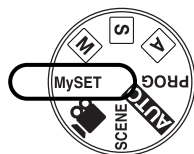
Starting the recording mode

■ How to use the MySET mode (MySET)

This mode allows users to save frequently used shooting settings for later use.

Steps from 1-4 are the same as those for AUTO mode.

5. Select the MySET mode by rotating the mode dial.
6. Press the menu button.
7. Use the Left/Right buttons to select the [Load Myset] menu tap. Use the Up/Down buttons to select desired MySET number.
8. Press the OK button to load the camera configuration saved in the MySET number and close the menu screen.
9. Point the camera towards the subject and compose the image by using either the viewfinder or LCD monitor.
10. Press the shutter button to capture an image.
Please see page 57 for details of the MySET shooting mode and menus.



[MySET mode]

■ How to use the MOVIE CLIP mode ()

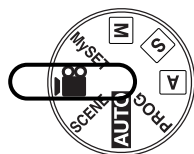
Steps from 1-4 are the same as those for AUTO mode.

5. Select the MOVIE CLIP mode by rotating the mode dial.
6. The MOVIE CLIP mode icon and available recording time will display on the LCD monitor.
7. Point the camera towards the subject and compose the image by using either the viewfinder or 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.

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

* Image size and type are listed below.

- Image size : 640X480, 320X240,
160X128(Selectable)
- File type : *.avi(MPEG-4)



[MOVIE CLIP mode]

Starting the recording mode

■ 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 1-6 are the same as those for MOVIE CLIP mode.

7. Point the camera towards the subject and compose the image by using the viewfinder or 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.

8. Press the Pause button() to pause recording.

9. Press the Pause button() again to resume the recording.

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



[Successive recording of a movie clip]

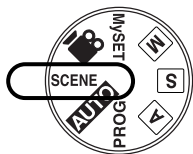
Starting the recording mode

■ How to use the SCENE mode (**SCENE**)

Use the menu to easily configure optimal settings for a variety of shooting situations. These include NIGHT, PORTRAIT, CHILDREN, LANDSCAPE, CLOSE UP, TEXT RECOGNITION, SUNSET, DAWN, BACKLIGHT, FIREWORKS and BEACH & SNOW scenes.

Steps from 1-4 are the same as those for AUTO mode.

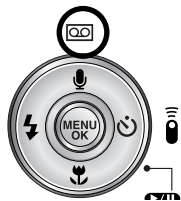
5. Select the SCENE mode by rotating the mode dial.
6. Press the menu button and select the [Scene] menu by pressing the left and right button.
7. Select the desired [Scene] sub menu by pressing the UP and DOWN buttons and press the OK button. Please see page 58 for detailed descriptions for each screen.
8. The current scene icon is displayed at the top left of the LCD.
9. Point the camera towards the subject and compose the image by using either the viewfinder or LCD monitor.
10. Press the shutter button to capture an image.



[SCENE mode]

■ How to use the VOICE RECORDING mode (**VO**)

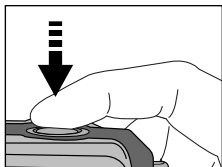
1. Select the VOICE RECORDING mode by pressing the Voice recording button twice. (In Movie clip mode, press the Voice recording button once to select the VOICE RECORDING mode)
 2. Press the shutter button to record a voice.
 - Press the shutter button once and voice is recorded for as long as the available recording time (Max : 1 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
- * A distance of 40cm between you and the camera (microphone) is the best distance to record sound.



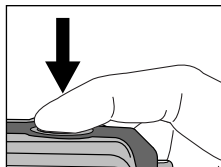
[VOICE RECORDING mode]

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]

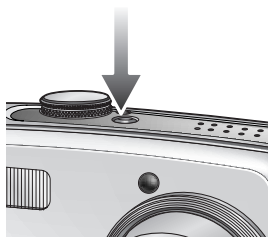
- The available recording time may vary depending on shooting conditions and camera settings.
- When the Flash Off or Slow synchro mode is selected in a low lighting condition, the camera shake warning indicator () may appear on the LCD monitor. In this case, use a tripod, support the camera on a solid surface or change the flash mode to flash shot mode.
- Compensated shooting against the light :
Please do not take pictures to the sunlight direction. Taking a picture against the sun may make the picture dark. To take a picture against the sun, please use the [Backlight] in the scene shooting mode (see page 58), fill-in flash (see page 36), spot metering(see page 51), or exposure compensation (see page 42).
- Avoid obstructing the lens or the flash when you capture an image.
- As there can be some differences between what is seen through the Viewfinder and the resulting image when taken at a range closer than 1.5m, it is recommended that you use the LCD monitor to compose these shots.
- Using the LCD monitor extensively will drain the batteries.
We recommend turning off the LCD monitor and using the optical viewfinder as often as possible in order to extend battery life.
- 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 adjust the camera

- The RECORDING (AUTO, PROGRAM, APERTURE PRIORITY, SHUTTER PRIORITY, MANUAL, MySET, MOVIE CLIP, SCENE) mode function can be set up by using the camera buttons.

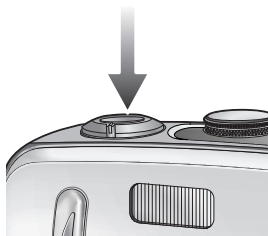
POWER button

- 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 90 for more information about the auto power off function.
- Pressing the power button for over 3 seconds will deactivate the start-up sound and sound function.



SHUTTER button/ Jog dial

- 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 the image and stores the relevant data regarding the shot. If you select voice memo recording, the recording will start after the camera has finished storing the image data.
- Jog dial : Set focus distance while using the manual focusing (see page 44).
Set the aperture value and shutter speed in the A/S/M shooting mode (see page 43).



ZOOM W/T button

- If the menu is not displayed, this button works as the OPTICAL ZOOM or DIGITAL ZOOM button.



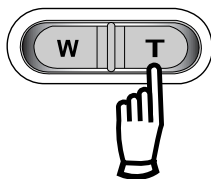
ZOOM W/T button

- This camera has a 3X optical zoom and a 10X digital zoom function. Using both will offer a total zoom ratio of 30X.

● TELE Zoom

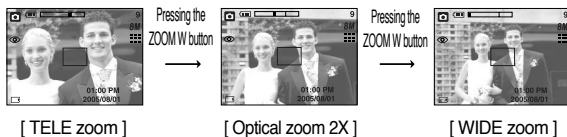
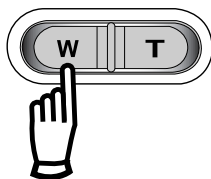
Optical zoom TELE : Pressing the ZOOM T button. This will zoom into the subject i.e. the subject will appear nearer.

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 (10X) is achieved, pressing the ZOOM T button will have no effect.

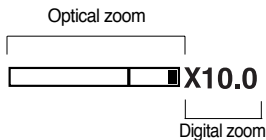


● WIDE Zoom

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.



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.



ZOOM W/T button

INFORMATION

- To use the digital zoom the LCD monitor has to be turned on.
- 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.
- If the movie clip is being recorded, the zoom operation cannot be activated.
- You may notice a decrease in image quality when using the digital zoom.
- To view more clear digital zoom image, press the shutter button halfway at the maximum (3X) optical zoom position and press the zoom T button again.
- The digital zoom can't be activated in the [Night], [Children], [Close up], [Text] and [Fireworks] scene modes.
- Take care not to touch the lens to avoid taking an unclear image and possibly causing camera malfunction. If the image is dim, turn the camera power off and on again to modify the lens position.
- Take care not to press the lens as this may cause a camera malfunction.
- When the camera is turned on, take care not to touch the camera's moving lens parts as this may cause the resulting image to be dim and unclear.
- Take care not to touch the lens during zoom operation as this may cause damage.

Voice memo(🎤) / UP button

- While the menu is showing, press the UP button to move up the submenu cursor.
- When the menu is not displayed on the LCD monitor, the UP button operates as the voice memo (🎤) button. You can add your voice-over to a stored still image.

● Recording a voice memo

1. Rotate the MODE DIAL to select a RECORDING mode with the exception of MOVIE CLIP mode.
2. Press the VOICE MEMO (🎤) button. If the voice memo indicator is displayed on the LCD monitor, the setting is completed.



[Preparing for Voice Memo]



[Recording Voice Memo]

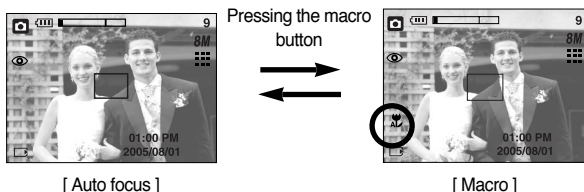
3. Press the shutter button and take a picture. The picture is stored on the memory card.
4. Voice memo will be recorded for ten seconds from the moment the picture is stored.
In the middle of the sound recording, pressing the shutter button will stop the voice memo.

INFORMATION

- A distance of 40cm between you and the camera (microphone) is the best distance to record sound.

Macro() / Down button (Focusing)

- While the menu is showing, press the DOWN button to move from the main menu to a submenu, or to move down the submenu cursor.
- When the menu is not showing, you can use the MACRO/ DOWN button to take macro pictures (within the distance range of 4-80 cm).



● Types of focus modes and focus ranges

Unit : cm













Focus type	Auto		Macro		Auto macro	
	WIDE	TELE	WIDE	TELE	WIDE	TELE
Focus range	80 ~ ∞	80 ~ ∞	4 ~ 80	25 ~ 80	4 ~ ∞	25 ~ ∞

INFORMATION

- When the macro mode is selected, it is possible that camera shake will occur. If this is the case, use a tripod to eliminate this.
- When you take a picture within 20cm(MACRO focus), select the FLASH OFF mode.
- In the AUTO mode, the Auto macro will be selected by pressing the macro button.

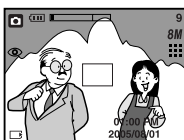
■ Available focusing method, by recording mode

(O:Selectable, X:Not selectable, ∞:Infinity focus range)

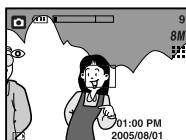
Mode		P	A	S	M	My				
Auto	O	O	O	O	O	O	O	O		
Macro	X	O	O	O	O	O	O	X		
Auto macro	O	X	X	X	X	X	X	X		
Mode					T					
Auto	O	O	∞	X	X	∞	∞	O	∞	O
Macro	X	X	X	O	O	X	X	X	X	X
Auto macro	X	X	X	X	X	X	X	X	X	X

Focus lock

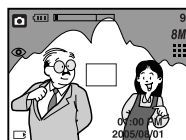
- To focus on the subject positioned outside of the centre, use the focus lock function.
- Using the Focus Lock
 1. Ensure the subject in the centre of the autofocus frame.
 2. Press the SHUTTER button halfway. When the green auto lights up, it means the camera is focused on the subject. Be careful not 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 flash mode
 1. Rotate the MODE DIAL to select a RECORDING mode with the exception of MOVIE CLIP and VOICE RECORDING modes.
 2. Press the Flash button until the desired flash mode indicator displays on the LCD monitor.
 3. A flash mode indicator will be displayed on the LCD monitor. Use the correct flash to suit the environment.



[Selecting the Auto flash]

FLASH() / LEFT button

● Flash range

Unit : m

ISO	AUTOFOCUS		MACRO		AUTO MACRO	
	WIDE	TELE	WIDE	TELE	WIDE	TELE
AUTO	0.8~3.0	0.8~2.0	0.2~0.8	0.25~0.8	0.2~3.0	0.25~2.0

INFORMATION

- Using the flash frequently will reduce the life of the batteries.
- Under normal operating conditions the charging time for the flash is normally within 7 seconds. If the batteries are weak, the charging time will be longer.
- During the continuous shot, movie clip mode, the flash function will not operate.
- Take photographs within the flash range.
- The image quality is not guaranteed if the subject is too close or highly reflective.

FLASH(⚡) / LEFT button

● Flash mode indicator

Icon	Flash mode	Description
	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 available light. The intensity of the flash will be controlled, according to the prevailing conditions. The brighter the background or subject is, the less intense the flash will be.
	Slow synchro	The flash will operate in conjunction with a slow shutter speed in order to obtain the correct exposure. We recommend using a tripod for this function. When you take an image in a condition with poor light, 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 display on the LCD monitor.

● Available flash mode, by recording mode

	X	O	X	X	X	O	X	X	X	X	X	X	X	X	X	X	O
	O	O	X	X	X	O	X	O	O	X	X	X	X	X	X	X	X
	X	O	O	O	O	O	X	X	X	X	X	X	X	X	O	X	X
	X	O	O	X	X	O	O	X	X	X	X	X	X	X	X	X	X
	O	O	O	O	O	O	O	O	O	O	O	O	O	O	X	O	X

Self-timer (🕒) / Remote (📡) / Right button

- When the menu is displayed on the LCD monitor, pressing the Right button makes the cursor shift to the right tab. The right button can also be used to move to a sub menu to select a different setting.
- When the menu is not displayed on the LCD monitor, the RIGHT button operates as the Self-timer (🕒) and Remote (📡) button. This function is used when the photographer would also like to be in the image.

● Using the self-timer and remote control.

1. Rotate the mode dial to the RECORDING mode.
2. Press the SELF-TIMER button until the desired mode indicator displays on the LCD monitor. A self-timer icon or remote control icon appears on the LCD monitor.



[Selecting the 2 SEC self-timer]



[Selecting the remote control]




- Selecting a self-timer : When you press the SHUTTER button, the picture will be taken after the specified time has elapsed and the self-timer function will be canceled.
- Selecting a remote mode : Pressing the shutter button of remote control will allow an interval of 2 seconds before the image is taken. In the remote mode, the shutter button of the camera can't be activated. After taking a picture, the remote mode will be maintained. But, pressing the power button, rotating the mode dial, pressing the play mode button and pressing the self-timer button will cancel the remote mode.

● Description of Self-timer/Remote mode

Icon	Mode	Description
🕒 ^{2S}	2s	Pressing the shutter button will allow an interval of 2 seconds before the image is taken.
🕒	10s	Pressing the shutter button will allow an interval of 10 seconds before the image is taken.
🕒 [∞]	Double	A picture will be taken after about 10 seconds and 2 seconds later a second picture will be taken.
📡	Remote mode	You can take a picture by remote control instead of using the shutter button of the camera.

Self-timer () / Remote () / Right button

● Self-timer/ remote mode setting

Mode dial	Setting ( marked camera working mode is the default setting.)
AUTO	 Off → 2s self-timer → 10s self-timer → Double self-timer → Remote
PROGRAM	
A/S/M, MySET	
SCENE	
MOVIE CLIP	 Off → 10s self-timer → Remote

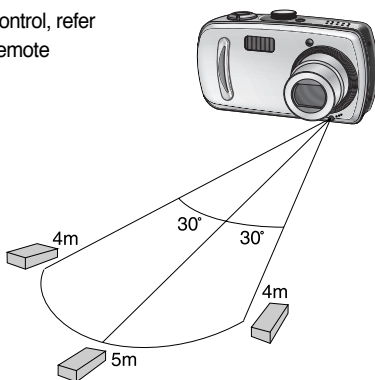
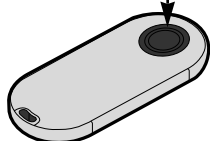
INFORMATION

- When taking a picture using the self-timer, the self-timer lamp works as follows:
 2 second self-timer setting : The self-timer lamp blinks at 0.25 second interval for 2 seconds.
 10 second self-timer setting : The self-timer lamp blinks at 1 second interval for the first 8 seconds. It blinks at 0.25 second interval for the remaining 2 seconds.
- If you operate the Mode dial and Self-timer button during the self-timer operation, the self-timer function is canceled.
- Use a tripod to prevent the camera from shaking.
- In Movie Clip mode, only the 10s self-timer and remote will work.

● Remote control range

When you take a picture by using the remote control, refer to the illustrations shown alongside about the remote control range.

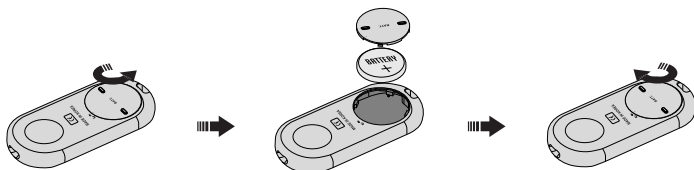
[Shutter button on the remote control]



Self-timer(🕒) / Remote (📶) / Right button

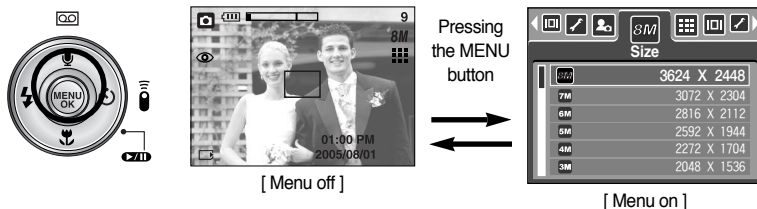
● Replacing batteries for the remote control

Make sure the + polarity is toward the top and the - polarity is toward the bottom while installing batteries for the remote control. Replace batteries for the remote control in the local service centre. Use the CR 2025 3V batteries.



MENU/ OK button




- If the menu is displayed, use the 5-Function buttons to change the data values and for your changes to be accepted
- If the menu is not displayed, press the MENU/OK button to display a menu for the current camera mode on the LCD monitor. Press the button again to return to the previous state.



- There is no menu for VOICE RECORDING mode.
- The menu screen may not show on the LCD when another button is pressed or image data is being processed. (The green lamp next to the view finder blinks)

+/- button

- You can use the +/- button to adjust the values for the RGB, ISO, white balance and exposure compensation.

Main menu	Sub menu	Available camera mode
RGB	R (Red), G (Green), B (Blue)	P A S M MySET  SCENE ()
ISO	AUTO, 50, 100, 200, 400	P A S M MySET
WHITE BALANCE	AUTO, DAYLIGHT, CLOUDY, FLUORESCENT H, FLUORESCENT L, TUNGSTEN, CUSTOM.	P A S M MySET 
Exposure compensation	-2.0~0.0~+2.0(1/3EV steps)	P A S MySET

- RGB : Allows the user to adjust the R (Red), G (Green), and B (Blue) values of the images to be captured.

● Setting RGB Values

1. Press the +/- button, and then use the UP and DOWN buttons to select the RGB icon (**RGB**).
The RGB menu bar will appear as shown.
2. Use the UP/ DOWN/ LEFT and RIGHT buttons to select the desired RGB value.

- Up/Down Button: Navigates between R, G, and B icons.

- Left/Right Button: Changes value of each icon.

3. When you press the +/- button again, the value you set will be saved and RGB setup mode will end.




+/- button

- ISO: You can select the ISO sensitivity when taking pictures.

The speed or specific light-sensitivity of a camera is rated by ISO numbers.

- Selecting an ISO Sensitivity

1. Press the +/- button, and then use the UP and DOWN buttons to select the ISO icon (). The ISO menu bar will appear as shown.
2. Use the LEFT and RIGHT buttons to select the desired ISO sensitivity value.




- AUTO : The camera's sensitivity is automatically changed by variables such as lighting value or subject brightness.
- 50, 100, 200, 400 : 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 is 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.


3. When you press the +/- button again, the value you set will be saved and ISO setup mode will end.


- White balance : The white balance control allows you to adjust the colours to appear more natural looking.

- Selecting a White Balance


1. Press the +/- button, and then use the UP and DOWN buttons to select the white balance icon (). The white balance menu bar will appear as shown.
2. Use the LEFT and RIGHT buttons to set the white balance to the desired value. The value you set will be displayed on the LCD monitor.




AUTO  : 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  : Allows the user to set the white balance according to the shooting condition.

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

3. Press the +/- button again. The value you set will be saved and White Balance setup mode will end.