



**RICOH**

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***RDC-i700***  
**IMAGE CAPTURING DEVICE**

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**Camera Operation Manual**

To ensure correct use of your camera, read this manual carefully before use. Keep the manual handy for future use.



# Introduction

Thank you for purchasing a Ricoh RDC-i700. This manual explains the correct handling procedures and precautions for your camera. To ensure the best performance, please read the manual thoroughly before using the camera. Keep the manual handy for quick future reference.

Ricoh Co., Ltd.

## Test Shots

Check that your camera is recording the images correctly by taking a number of test shots.

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## Exemption from Liability

Ricoh Co., Ltd. assumes no liability for failure to record or play back images caused by malfunction of the RDC-i700.

## Warranty

This product is manufactured to local specifications and the warranty is valid within the country of purchase. Should the product fail or malfunction while you are abroad, the manufacturer assumes no responsibility for servicing the product locally or bearing the expenditure incurred therefor.

## Radio Interference

Operating the RDC-i700 in the vicinity of other electronic equipment may adversely affect the performance of both devices. In particular, operating the camera close to a radio or television may lead to interference. If interference occurs, follow the procedures below.

- Move the camera as far away as possible from the TV, radio or other device
- Reorient the TV or radio antenna.
- Plug the devices into separate electrical outlets.

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# How to Use the Operation Manuals

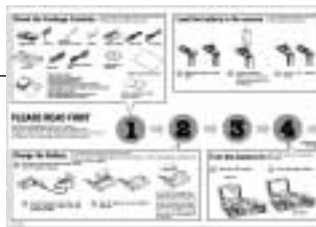
Five operation manuals are supplied with this camera.  
Use each operation manual as shown below to suit the purpose.

## Open the package



### Read This Before Proceeding!

These instructions explain the procedure for checking the contents of the package and loading the battery to enable you to use the camera straightaway.



Basic operation

### Camera Operation Manual (this manual)

This manual explains in detail the preparations to take before using the camera together with the procedures for shooting and playback using the various functions.



Using the communication and Internet functions

### Communication/Internet Operation Manual

This manual explains the procedures for transmitting images and using Internet functions.



Sending and receiving data using the camera and a PC

### Connecting to a Personal Computer Operation Manual

This manual explains the procedures for connecting the camera to a PC, transmitting images from the camera to the PC and operating the camera from the PC.



A useful guide for carrying around with you

### Simple Operation Guide

This guide contains a simple explanation of the most frequently used procedures, including shooting, playback and transmitting.



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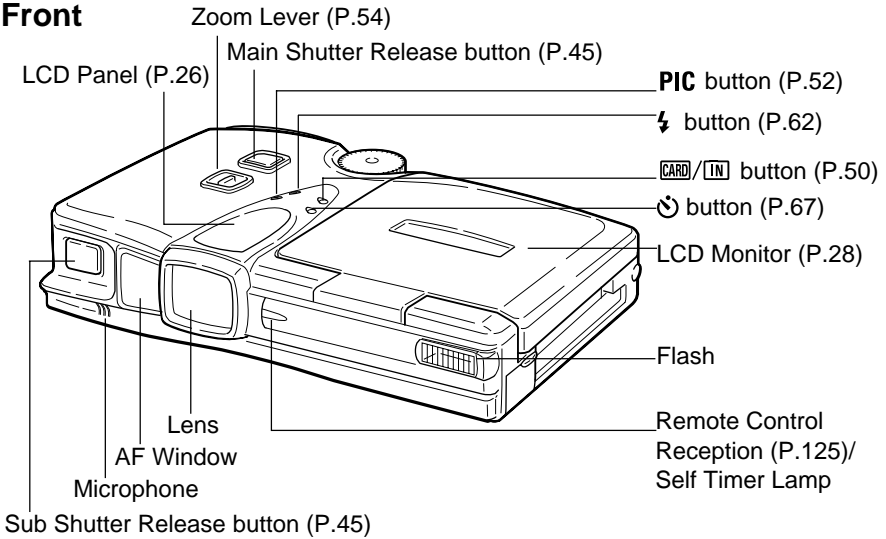


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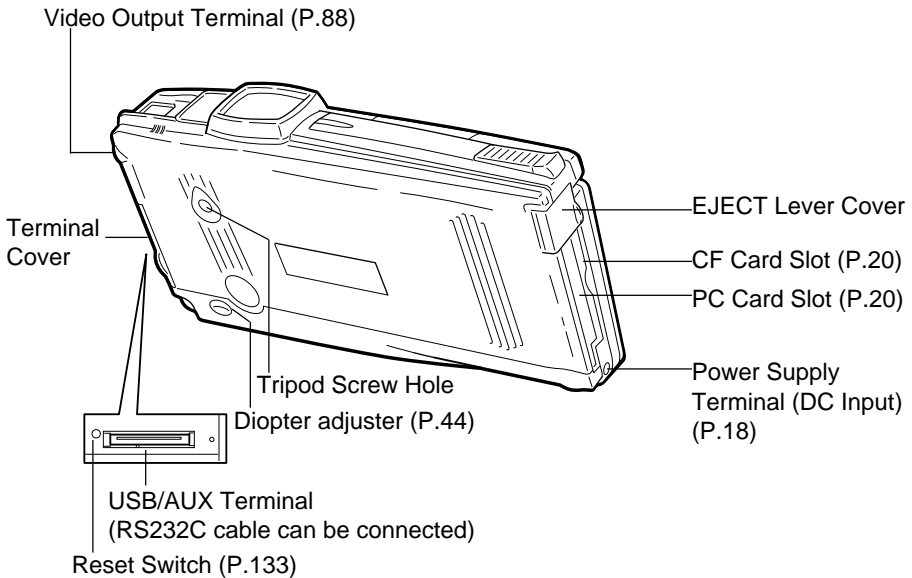
# Parts & Names

## ■ Camera Body

### Front

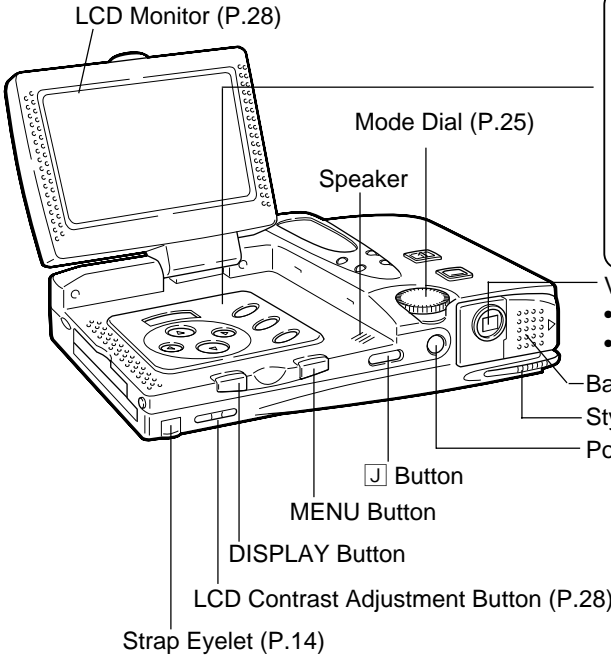


### Back

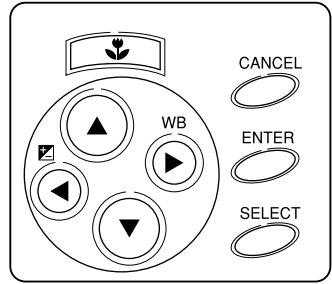




# Operating Parts

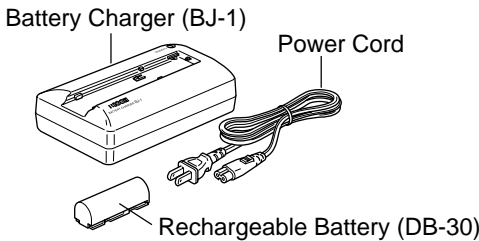


# Operation Panel



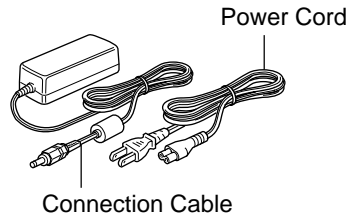
- Flash Lamp
- Auto Focus Lamp

## ■ Battery/Battery Charger



## ■ AC Adapter (optional)

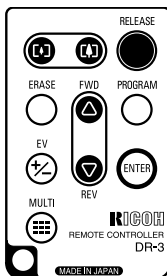
- AC-3 (100 V – 240 V)



## ■ Remote Control Unit

(optional)

- DR-3



# Safety Precautions

## Warning Symbols

Various symbols are used throughout this operation manual and on the product to prevent physical harm to you or other people and damage to property. The symbols and their meanings are explained below.



### Warning

This symbol indicates matters that may lead to death or serious injury if ignored or incorrectly handled.




### Caution


This symbol indicates matters that may lead to injury or physical damage if ignored or incorrectly handled.


## Sample Warnings



The  symbol alerts you to actions that must be performed.



The  symbol alerts you to prohibited actions.

The  symbol may be combined with other symbols to indicate that a specific action is prohibited.

### ● Examples



Do not touch



Do not disassemble

Observe the following precautions to ensure safe use of this equipment.



### Warning



- Turn off the power immediately in the event of irregularity, such as the equipment emitting smoke or a strange smell. Remove the battery as soon as possible, being careful to avoid electric shocks or burns. If you are drawing power from a household electrical outlet, be sure to unplug the power cord from the outlet to avoid fire or electrical hazards. Discontinue use of the equipment immediately if it is malfunctioning. Contact the nearest service center at your earliest convenience.

## Warning



- Turn off the power immediately if any metallic object, water, liquid or other foreign object gets into the equipment. Remove the battery as soon as possible, being careful to avoid electric shocks or burns. If you are drawing power from a household electrical outlet, be sure to unplug the power cord from the outlet to avoid fire or electrical hazards. Discontinue use of the equipment immediately if it is malfunctioning. Contact the nearest service center at your earliest convenience.



- Avoid any contact with the liquid crystal inside the LCD monitor, should the monitor be damaged. Follow the emergency measures below in the following circumstances.
  - SKIN: If any of the liquid crystal gets on your skin, wipe it off and rinse the affected area thoroughly with water, then wash well with soap.
  - EYES: If it gets in your eyes, wash your eyes with clean water for at least 15 minutes and seek medical advice immediately.
  - INGESTION: If any of the liquid crystal is ingested, rinse the mouth out thoroughly with water. Have the victim drink a large amount of water and induce vomiting. Seek medical assistance immediately.



- Follow these precautions to prevent the battery from leaking, overheating, igniting or exploding.
  - Do not use a battery other than that specifically recommended for the equipment.
  - Do not carry or store the battery with metallic ballpoint pens, necklaces, coins, hairpins, etc.
  - Remove the battery from the camera or battery charger immediately in the event of irregularity, such as a strange smell or discoloration, during use or recharging.

## Warning



- Observe the following precautions to prevent fire, electric shock or explosion caused by the battery charger.
  - Do not use a power source voltage other than that indicated. Avoid putting several loads on one power outlet or using an extension cable.
  - Do not cut, damage, tie in a bundle or alter the power cord. Do not place heavy objects on the power cord, pull it or bend it excessively.
  - Do not plug or unplug the power cord with wet hands. When unplugging the power cord, be sure to hold the plug.
  - Do not wrap the battery in cloth, etc.



- Keep the battery used in this equipment out of the reach of children to prevent accidental ingestion. Consumption is harmful to human beings. If swallowed, seek immediate medical assistance.



- Keep the equipment out of the reach of children. Their inability to read and understand warning and safety precautions may lead to accidents.



- Do not touch the internal components of the equipment if they become exposed as a result of being dropped or damaged. The high-voltage circuitry in the equipment could lead to an electric shock. Remove the battery as soon as possible, being careful to avoid electric shocks or burns. Take the equipment to your nearest dealer or service center if it is damaged.



- Do not attempt to disassemble, repair or alter the equipment yourself. The high-voltage circuitry in the equipment poses a significant electrical hazard.



- Do not use the equipment in the kitchen or bathroom where it would be exposed to steam or humidity as this could result in fire or electric shock.

 **Warning**



- Do not use the equipment near flammable gases, gasoline, benzene, thinner or similar substances to avoid the risk of explosion, fire or burns.
- Do not use the equipment in aircraft or other locations where usage is restricted or prohibited as this may lead to disasters or accidents.



- Wipe off any dust that accumulates on the electrical plug as this may lead to fire.
- Use only the specified AC adapter for this equipment (optional AC-3) in household electrical outlets. Other adapters pose the risk of fire, electric shock or failure.



- To avoid the risk of fire, electric shock or failure, do not use the AC adapter with commercially available electronic transformers when traveling abroad.

Observe the following precautions to ensure safe use of this equipment.

## **Caution**



- Contact with fluid leaking from the battery can lead to burns. If part of your body comes in contact with a damaged battery, wash the area with water immediately. (Do not use soap.) If the battery starts to leak, remove it from the equipment and wipe the battery chamber thoroughly before replacing it with a new battery.



- Plug the power cord securely into the electrical outlet. Loose cords pose a fire hazard.



- Do not allow the camera to get wet. In addition, do not operate it with wet hands. Both pose the risk of electric shock.



- Do not fire the flash at drivers of vehicles such as bicycles, cars and trains, as this may cause the driver to lose control and result in a traffic accident.

## **Safety Warning for Accessories**

- Safety warnings for the optional accessories such as the remote control unit and AC adapter are contained in the operation manual provided with each product and should be read thoroughly before operating the equipment.

# Chapter

# 1

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## Getting Started

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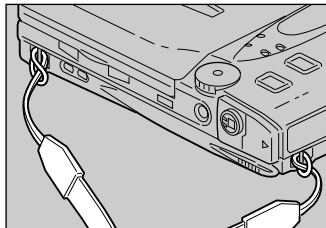
# Before Using the Camera

Before using the camera, attach the neck strap, and lens cap.

## Attaching the Neck Strap

- 1 Pass the small loop of the strap through the strap eyelet and pass the other end through the loop as illustrated.

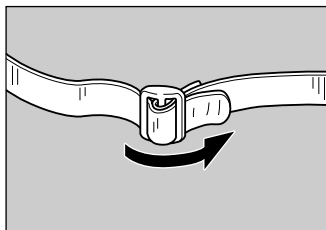
Remove the strap from the buckle first and pass each loop through the strap eyelet.



- 2 Pass the strap through the buckle and adjust the length of the strap.

**Important Note**

- Do not swing the camera around by its strap.



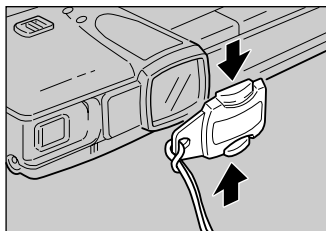
## Attaching the Lens Cap

- 1 Push the lens cap on in the direction shown by the arrow.

To remove the lens cap, take hold and push off.

**Note**

- Attach the lens cap to the strap to prevent it being lost.




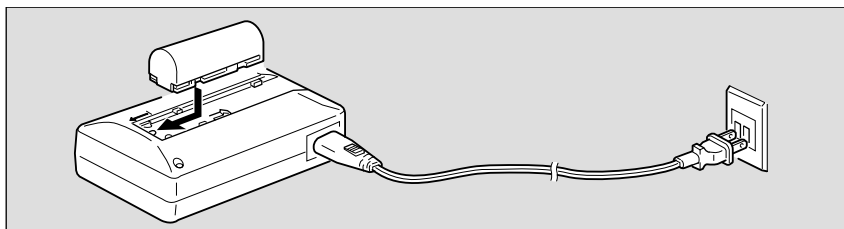


# Powering the Camera

This section explains how to load and recharge the battery and how to power the camera from a household electrical outlet.

## Charging the Battery

When using the battery for the first time or when the  battery symbol is displayed, follow the procedure below and charge the battery to its full capacity.



**1 Set the battery in the battery charger.**

**2 Insert the power plug into an electrical outlet.**

Charging will start and the battery can be charged as shown in the table below. When charging is finished, remove the power plug from the electrical outlet.

CHARGE(Charging) Lamp	Explanation
Lights red	Charging starts
Lights green	100-minute charging has finished (battery is 90% charged) * If you are in a hurry, the battery can be used at this point.
Green light goes off	Battery is fully charged after charging for about 50 minutes after lamp lights green

### ■ Precautions Regarding Use

- Use only the specified battery (DB-30).
- Use only the specified battery charger (BJ-1) to charge the battery.
- Do not use the battery charger to charge batteries other than the DB-30 battery.
- Charge the battery in a well ventilated place with an ambient temperature in the range of 10°C to 40°C (50°F to 104°F).
- When the battery approaches the end of its service life, its operating time becomes shorter even when properly charged. Replace with a new battery.
- The battery may feel warm after charging, but this is not a malfunction.
- After charging is finished, remove the power plug from the electrical outlet. Leaving the plug in the outlet may result in fire.

# Loading the Battery

Load the rechargeable lithium ion battery (DB-30) to operate the camera.



- When using the camera for the first time, be sure to charge the battery. (The battery is not charged when the camera leaves the factory.) → P.15 “Charging the Battery”

- 1 Check that the camera is turned off, and then open the battery cover by pressing the catch and sliding it in the direction shown.



- P.24 “Turning On/Off the Camera”

- 2 Load the battery.



- Do not bring metallic objects into contact with the battery contact surfaces or electrical connections. Electrostatic damage could result.

- 3 Close the battery cover.

Close the battery cover until it clicks into position.

## ● Shooting and Playback Guidelines

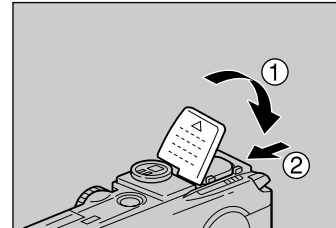
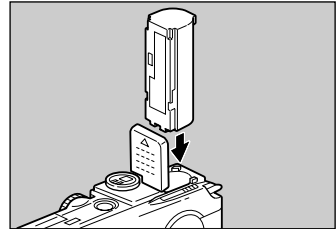
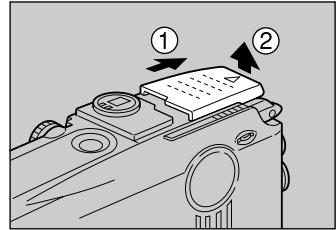
The table below gives the approximate recording and playback times that are available, as measured under the following test conditions.

### [Test conditions]

During shooting: Shoot continuously in a recording mode (shoot at intervals of 30 seconds, without turning the camera off in the middle, with the flash fired 50%, at an ambient temperature of 20°C (68°F).

During playback: Leave the camera continuously turned on in a playback mode at an ambient temperature of 20°C (68°F).

Battery Type	Approximate Recording Time	Approximate Playback Time
Lithium ion battery (fully charged)	50 minutes	60 minutes




## Tips to Extend the Recording and Playback Times

- The battery lives indicated on the previous page may decrease depending on the ambient environment.  
In an extremely cold environment, warming the battery by hand, for example, may allow you to take more pictures.
- Increased use of the flash or zoom feature or the LCD monitor may speed up the exhaustion of the battery. Reduce their usage to a minimum.
- Copying or erasing images repeatedly may also accelerate the exhaustion of the battery.
- Taking pictures with the LCD monitor display turned off will help to extend the life of the battery.

## ■ Handling Precautions

- Before using the battery, be sure to read the accompanying operation manual.
- Use the specified battery. → P.137 “Accessories”
- Wipe the terminals of the battery and the contacts of the camera with a dry cloth.
- Continued use of the battery for long periods may cause the battery to become hot. Wait until it cools before removing it.
- Store the battery charger and the battery separately except when charging.
- Store the battery in the case provided.
- When not using the camera for a long period of time, discharge the battery completely before removing it, and store it in a cool place. Before using the camera again, fully charge the battery.

### Note

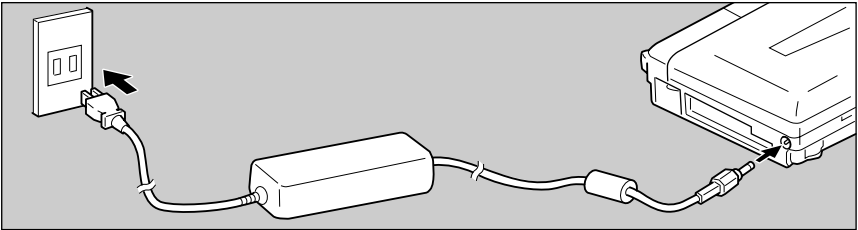
- If a power source is available nearby, you can economize on the battery by using an AC adapter (optional). → P.18 “Connecting an AC Adapter”
- You are advised to have a spare battery available when powering the camera from the battery alone.
- When the  battery symbol appears on the LCD panel, it indicates that the battery voltage is low. Recharge the battery. → P.15 “Charging the Battery”

# Connecting an AC Adapter

When using the camera for extended periods of time to shoot or playback images, or connecting with a PC, connect an AC adapter (optional) to the camera and power the camera from a household electrical source.

## Using the AC Adapter

Before using the AC adapter, be sure to read the safety precautions in the accompanying manual.



- 1 Check that the camera is turned off, and connect the AC adapter connection cable to the power supply terminal (DC input) on the camera.

**See** • P.24 “Turning On/Off the Camera”

- 2 Insert the power plug into the electrical outlet.

**Note** • If the battery is loaded in the camera while it is connected to a household power source, the camera is powered from the AC source and not by the battery. If the AC adapter is to be used for a long time, remove the battery.

**Important Note**

- Insert the power plug and connection cable securely. If the plug or cable works loose during recording, the data may be lost or damaged.
- If you connect or disconnect the AC adapter while operating the camera (recording, playback, or erasing), the camera will switch off to determine the power source. This may cause the data to be lost or damaged. To avoid this, connect or disconnect the AC adapter while the camera is turned off.

# Storage Memory

Files shot with this camera can be recorded on the following three types of memory:

Storage Memory	Capacity
CF card	16 MB, 32 MB, 48 MB, 64 MB, 96 MB, 128 MB (3.3 V)
PC card	5 MB, 10 MB (3.3 V, Ricoh-brand)
Internal memory	Max. 6 MB

- Note** • Use a recommended memory card. → See the separate list of Qualified Products.

## ■ Handling Precautions

- Never remove the CF card or PC card while data is being recorded or erased.
- Do not bend, subject to strong force or shock, or drop the CF card or PC card.
- Avoid using or storing memory cards in environments that are subject to static electricity or electrical interference.
- Avoid using or storing memory cards in environments that are subject to high temperature and humidity, where dust accumulates, or in atmospheres where corrosive substances are present.
- Keep the card slot free from dust or foreign matter.
- To avoid possible hazards, keep memory cards away from flames and do not dispose of them in fire.
- Memory cards have a limited service life. Cards that have been used over an extended period of time may fail to record additional files.

## ■ Data

- Data recorded on a CF card or PC card may be lost by improper handling by the customer or a third party, by being subjected to static electricity or electrical interference, or during camera malfunction or repair. Ricoh Co., Ltd. assumes no liability for damages incurred by such loss of recorded data.
- Do not remove the battery from the camera, turn off the camera, or connect the AC adapter while data is being recorded on the CF card or PC card. The data stored on the memory card could be lost or damaged.
- You are advised to copy valuable data from the memory card onto other memory, such as floppy disks or hard disks.

# Inserting a CF Card or PC Card

Check that the camera is turned off before inserting the CF card or the PC card.



- Be sure to turn the power off before inserting or removing the card, otherwise the data on the card may be lost or damaged and the camera may malfunction.
- Before using a new card or a card that has been used on another device (such as a PC), you need to format (initialize) it with the camera. → P.43 “Formatting the Storage Memory”
- Do not remove the PC card while data is being recorded or erased. The data stored on the card could be lost or damaged.

## ■ Inserting Card

### ① Check that the camera is turned off.

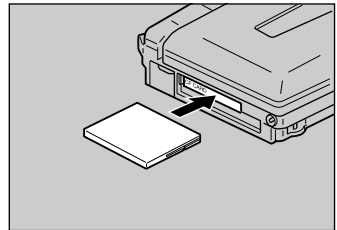


• P.24 “Turning On/Off the Camera”

### ② Insert the card into the card slot.

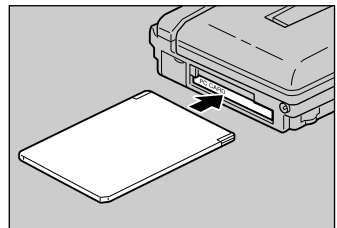
#### ● Inserting CF card

Push the CF card into the upper card slot fully into position, with the label surface facing up.



#### ● Inserting the PC card

Push the PC card into the lower card slot fully into position, with the label surface facing up.



## ■ Removing Card

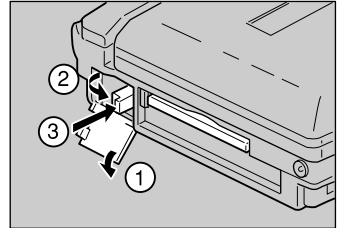
- 1 Check that the camera is turned off, and then open the EJECT lever cover.

**See** • P.24 “Turning On/Off the Camera”

- 2 Turn the CF or PC card EJECT lever in the direction shown by the arrow and press it.

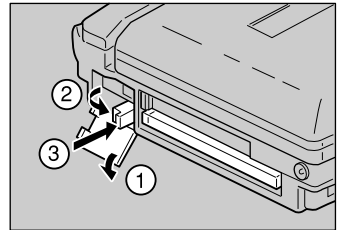
- CF card

Press the upper EJECT lever.



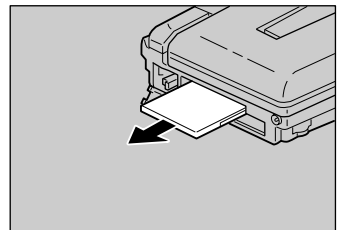
- PC card

Press the lower EJECT lever.

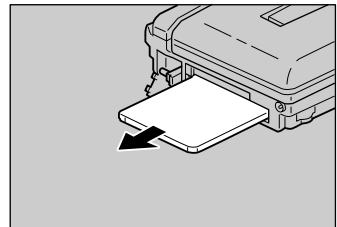


- 3 Pull the CF or PC card straight out of the slot.

- CF card



- PC card



- 4 Return the CF or PC card EJECT lever to its original position and close the EJECT lever cover.



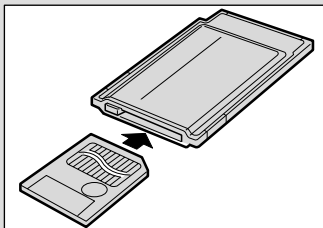
## SmartMedia Memory Cards

This camera can record images stored on a SmartMedia memory card by using a PC card adapter (optional).

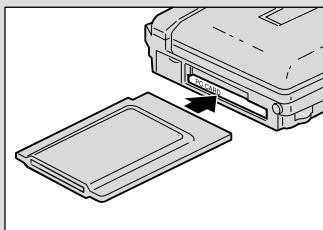
The following types of SmartMedia memory card can be used:

- Capacity: 2 MB, 4 MB, 8 MB, 16 MB, 32 MB, 64 MB
- Operating voltage: 3.3 V

Insert the SmartMedia memory card into the PC card adapter.



Insert the PC card adapter into the camera.



Be sure to read the accompanying manual before using a SmartMedia memory card or PC card adapter.

**\* Do not insert or remove the SmartMedia memory card while the PC card adapter is being attached to the camera. The SmartMedia card could be damaged.**

**\* Use of the SmarMemory may restrict some functions of the camera.**



# Chapter 2

## Basic Operations

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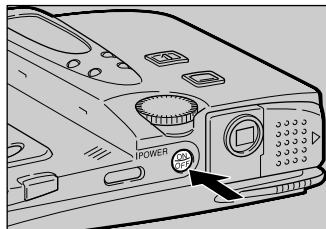
# Turning On/Off the Camera

Use the power button to turn the camera on and off.

## ■ Turning the Camera ON

### ① Press the power button.

- Note** • You can turn the camera on when the LCD monitor is opened → P.122 → “Turning the Camera On/Off When the LCD Monitor is Opened”



## ■ Turning the Camera OFF

### ① Press the power button.











#### Auto Power Off

The camera will turn off automatically (auto power off) to conserve the battery if it is left idle (no buttons or switches operated) for a fixed time. To resume use, turn the power on again. The auto power off feature does not activate when the camera is powered by an AC adapter. → P.117 “Auto Power Off Setting”







# How to Use the Mode Dial

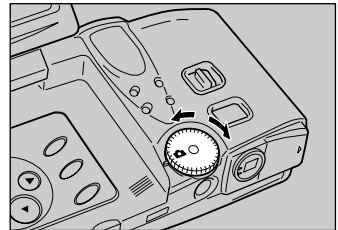
The camera offers a number of modes for shooting and playback. Use the mode dial to select the mode you need.



Mode Dial	Mode	Action
SETUP	Setup mode	For changing and verifying camera settings.
	Motion Picture mode	For recording motion pictures with sound.
	Continuous Shooting mode	Enables continuous shooting while the shutter release button is pressed.
	Text mode	Used when recording text. Eliminates gradations and records in black and white.
	Voice Memo mode	Used when recording sound.
	Still Picture mode	Basic shooting mode.
	Play mode	For playing back recorded files.
	PC mode	For connecting the camera to a PC, transmitting images from the camera to the PC and operating the camera from the PC.
	Communication mode	For transmitting images and using Internet functions.

## 1 Turn the mode dial to change the mode used.

The screen displayed on the LCD monitor differs according to the mode. For details of operation, refer to the following.

- SETUP (Setup) → P.116
-  (Motion Picture) → P.60
-  (Continuous Shooting) → P.59
-  (Text) → P.58
-  (Voice Memo) → P.59
-  (Still Picture) → P.55
-  (Play) → P.84



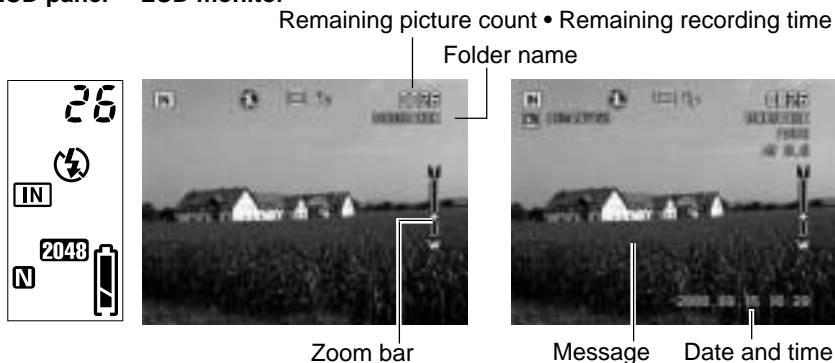
- Note** • For details of the  (PC mode) and  (Communication mode), see 'Connecting to a Personal Computer' operation manual and 'Communication/Internet' operation manual.

# LCD Monitor and LCD Panel

The LCD monitor or LCD panel displays the camera status, such as the battery level, recordable picture count and mode setting, in symbols and figures.

## Recording Mode

LCD panel    LCD monitor

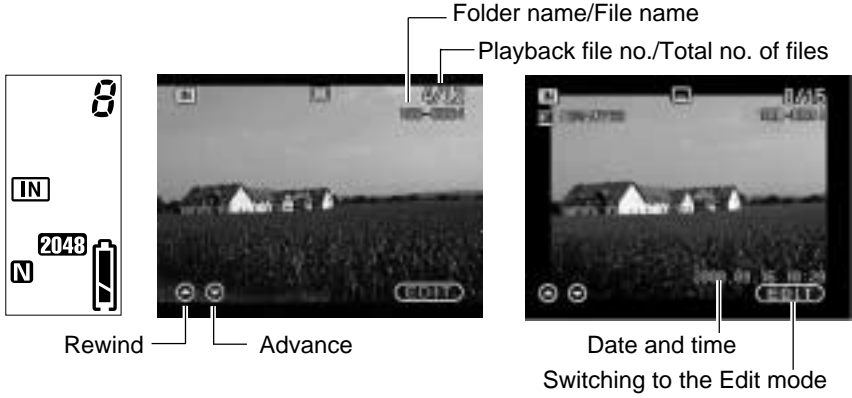


	LCD panel	LCD monitor
Storage Memory	CF PC CARD TN	PC CARD CF CARD IN
Flash mode	⚡	⚡ ⚡ <sup>A</sup>
Red-eye reduction mode	👁	👁
White balance	—	☀️ ☁️ 🌞 🌟
File type	🎤	📷 🎤 📄 📺 📱
Size/No. of pixels	2048 1024 640	2048 × 1536, 1024 × 768, 640 × 480
Image quality/Compression rate	F N E NC	F, N, E, NC
Exposure compensation value	—	EV -2.0 ~ EV +2.0
Digital zoom	—	× 1.3, × 1.6, × 3.2
ISO Sensitivity	—	AUTO, ISO 200, ISO 400
Auto bracket	—	AB
Focus	—	AF, MF
Macro shooting	—	🌿
Self timer mode	⌚	⌚
Battery symbol	🔋	—
Soft mode	—	SOFT
Time Exposure mode	—	L1, L2, L4, L8

**Note** • For details of the messages displayed on the LCD panel and LCD monitor, see “Error Messages” (P.133).

# Play Mode

LCD panel    LCD monitor



	LCD panel	LCD monitor
Storage memory	CF PC CARD IN	PC CARD CF CARD IN
File type	🎤	📷 🎤 📄 📁 📧
Size/No. of pixels	2048 1024 640	2048 × 1536, 1024 × 768, 640 × 480
Image quality/ Compression rate	F N E NC	F, N, E, NC
Battery symbol	🔋	—
Protect symbol	—	🔒
Voice annotation	🎤	🎤
Keypad memo	—	📄

2

Basic Operations

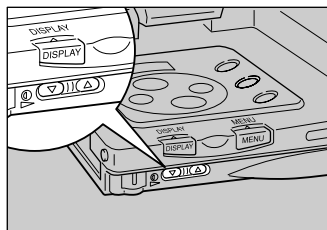
# Adjusting the LCD Monitor

This section explains how to use the LCD monitor including adjusting the contrast of the LCD monitor and using the fine adjustment function.

## Adjusting the LCD Monitor Contrast

If the LCD monitor is hard to see, for example in bright sunlight, adjust the contrast of the monitor.

- 1 Press the LCD contrast adjustment buttons ( $\nabla/\Delta$ ) to adjust the LCD monitor contrast to a favorable setting for viewing.

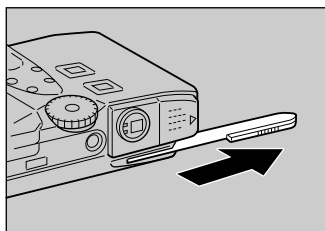


## Using the Stylus Pen

### ■ Stylus Pen

Pull the stylus pen out in the following way and replace it after use.

- 1 Pull the stylus pen out in the direction shown by the arrow.  
Replace by sliding it back in from the tip.

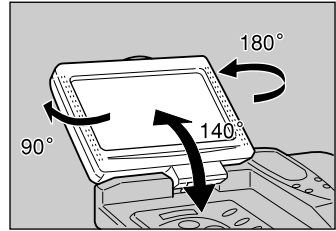


## ■ LCD Monitor

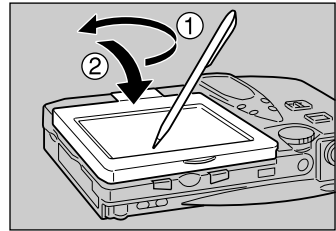
When using the stylus pen, set the LCD monitor as shown below.

### ① Rotate the LCD monitor as illustrated.

Do not rotate beyond the limits of the angle shown.



### ② Open the LCD monitor perpendicularly, rotate it at an angle of 180 degrees in the direction of the arrow and close it.



## Fine Adjustment of the LCD Monitor and Touch Screen

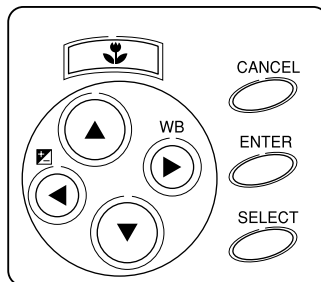
You can use the stylus pen supplied with the camera to select and set items. If the touch screen does not function properly, use the fine adjustment function to adjust the LCD monitor and touch screen.

### ① Set the mode dial to [SETUP].

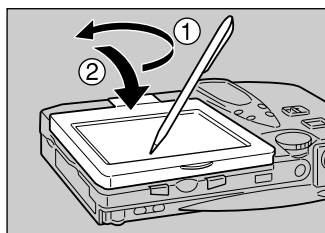
- See**
- P.24 "Turning On/Off the Camera"
  - P.25 "How to Use the Mode Dial"

- ② Move the focus (green frame enclosing an item) using the  $\blacktriangledown$  button to select [TOUCH SCREEN CALIBRATION] and press the ENTER button.

**See** • P.32 “Selecting and Canceling Items”



- ③ Flip up the LCD monitor perpendicularly, turn it 180 degrees in the direction of arrow and close it.



- ④ Touch the marks in the corners with the pen.





# How to Select the Items

You can select items, and confirm or cancel camera settings using the buttons on the operation panel and stylus pen. This section explains how to use the buttons and stylus pen.

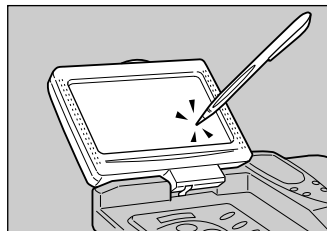
## Using the Stylus Pen

Basically, the stylus pen can be used in the following two ways.

### ● Touching

Touching is the action of lightly pressing the screen with the pen. It is used to select items on the screen or to select the button, such as [OK] and [CANCEL].

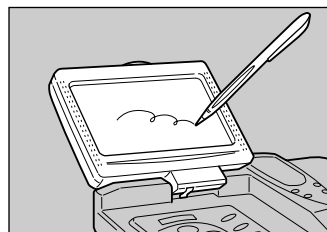
This manual contains instructions such as “Touch with the pen” and “Select with the pen”.



### ● Dragging

Dragging is the action of moving the pen while keeping it pressed lightly against the screen. It is used to write characters, drawing diagrams and designate the scope on the screen.

This manual contains instructions such as “Drag the pen”.









- Note** • You can perform the above operations using your finger in the same way as the stylus pen. Touch the screen lightly with the tip of your finger.

# Selecting and Canceling Items

This section explains how to operate the buttons on the touch screen and stylus pen.

## Switching the Displays







	Next screen (1)	Previous screen (2)	Exit the MENU screen
Using the pen	Touch  on the lower left of the screen.	Touch  on the lower left of the screen.	Touch CANCEL.
Using the buttons	Press the  button to move the focus (green frame enclosing an item) on the lower item. When the focus is on the bottom item, press the  button.	Press the  button to move the focus on the upper item. When the focus is on the top item, press the  button.	Press the CANCEL button.

**Note** • The legends (“CANCEL” and “ENTER”) above the buttons (EXIT or OK) are used for annotation with the button operation.

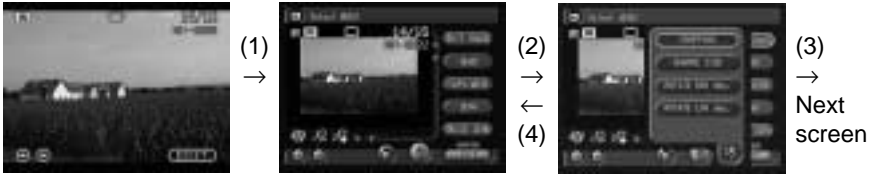
## Selecting and Canceling Items









	Select the item (1)	Select the setting (2)	Cancel the setting (3)
Using the pen	Touch the target item.	Touch the target setting and touch [OK].	Touch CANCEL.
Using the buttons	Press the   buttons to move the focus and press the ENTER button.	Press the   buttons to move the focus, press SELECT button and then press ENTER button.	Press the CANCEL button.

**Note** • The dimmed items can not be selected.



## ■ EDIT Mode




	Edit Mode (1)	Select the item (2)	Select the setting (3)	Cancel (4)
Using the pen	Touch [EDIT] at the lower right corner of the screen.	Touch the target item.	Touch the target item.	Touch the  .
Using the buttons	Press the [ENTER] button.	Press the  button to move the focus (green frame enclosing an item) on the top item. Press the  buttons to move the focus on the target item and press the SELECT button.	Press the  buttons to move the focus on the target item and press the SELECT button.	Press the  button to move the focus on  and press the SELECT button.

## ■ How to Use the Check Box (☐)

### ● Using the Pen

Touch the desired  to change it to . To cancel the selection, touch again.

### ● Using the Buttons

Use the  buttons to set the focus on the desired item and press the SELECT button. To cancel the selection, press the button again.




## ■ How to Use the Radio Button (●)

### ● Using the Pen

Touch the desired  to change it to .



### ● Using the Buttons



Use the  buttons to set the focus on the desired item and press the SELECT button.









## ■ How to Use the Spin Box (🔧)



### ● Using the Pen

Touch  or  with the pen to specify the number.

Touching  increases the number and touching  decreases the number.

### ● Using the Buttons


Use the , , ,  buttons to set the focus on the desired item and specify the number with the  button or  button.

Pressing the  button increases the number and pressing the  button decreases the number.










## ■ How to Use the Dropdown List (▼)

### ● Using the Pen

Touch  with the pen and then touch the desired item from the list.

### ● Using the Buttons

Use the , , ,  buttons to set the focus on the desired item, then display the list using the  button and press the SELECT button.


Use the  button or  button to set the focus on the desired item from the list and press the SELECT button.



# Character Input and Writing/Drawing

This section explains how to input characters using the on-screen keypad and how to write or draw using the tool palette.




## Using the On-screen Keypad

You can input characters in items displaying the  symbol using the on-screen keypad. Follow the steps below.

### 1 Select to display the on-screen keypad.

Touching the input field also allows you to display the on-screen keypad.

#### ● Using the Buttons

Set the focus on the desired item with · buttons. Press the  button to move to the input field and press the [SELECT] button.

### 2 Input the characters, numbers and symbols.

### 3 Symbols can be input by switching two keypad screens with (SHIFT) or Caps key.





Press the key to move to the next line.



Press this key to return to the previous screen without saving the characters you input.



Press this key to input a space.

### ● Erasing Characters






Touch [BS]. Characters are erased one at a time from the last character each time [BS] is pressed.

### ④ After entering the characters, select [ENTER].

The on-screen keypad disappears and the screen returns to the original display.

# Using the Tool Palette

The function of the tool palette is to enable you to write characters freehand or draw diagrams involving lines and circles. There are five types of tools.


-  Pen : For writing characters or drawing diagrams freehand
-  Erase : Erases the characters or diagrams that have been written or drawn
-  Erase All : Erases all the characters and diagrams that have been written or drawn
-  Select line width : Changes the thickness of the pen
-  Select color : Changes the color of the pen

## ■ Writing Characters or Drawing Diagrams

- ① Touch  and drag the pen to write characters or draw diagrams.




### ● Changing the Thickness of the Pen

Touch  to select the width (FINE, NORMAL, BOLD) of the lines from the list.



### ● Changing the Color of the Pen


Touch  to display the color selection screen.

Select the color to be used and select [OK].




- ② After writing the characters or drawing the diagrams, select [SAVE].

## ■ Erasing the Characters or Diagrams

① Touch  and drag the area you wish to erase with the pen.

### ● Erasing All Characters and Diagrams

Touch  to erase all the characters or diagrams.





# Registering the Camera Information

This section explains how to register the camera information such as setting the date and time and owner information.

## Setting the Date and Time

Set the date and time on the camera. You can also follow these procedures when you use the camera for the first time or need to change the date and time settings.

- Note**
- Use the yyyy format to set the year.
  - Time is displayed in the 24-hour clock format. Midnight is expressed as 00:00 and noon as 12:00.

### 1 Set the mode dial to [SETUP].

### 2 Select [DATE SETTING].

The date setting menu is displayed. Set the following three items.

- “Set the Date and Time” → See below
- “Select the Date To Be Used” → P.40
- “Select the Date Format” → P.41



## Set the Date and Time

Set the date and time. You can set the date in two patterns, HOME and DESTINATION, and switch the pattern when you travel across the time zone.

### 1 Select [HOME] or [DESTINATION].



**2 Set the date and time and then select [OK].**

Specify which date you will use, HOME or DESTINATION, by "Select the Date To Be Used" (See below).

**See** • P.34 "How to Use the Spin Box (🌀)"



**3 Select [EXIT].**

**Note** • The date and time settings are reset if the battery has been removed for about 1 month, as at replacement. Set the date and time again.

**■ Select the Date To Be Used**

Select the date you wish to use, HOME or DESTINATION.

**1 Select [DATE TO BE USED].**



**2 Select [HOME] or [DESTINATION] and then select [OK].**

**3 Select [EXIT].**



## ■ Select the Date Format

Select the date format. There are three types to choose from.

Example: Setting September 15, 2000, 10:00 am

YYYY/MM/DD hh:mm → 2000/09/15 10:00

MM DD YYYY hh:mm → SEP 15 2000 10:00

DD MM YYYY hh:mm → 15 SEP 2000 10:00

### ① Select [DATE/TIME FORMAT].



### ② Select the date format you wish to use and then select [OK].



### ③ Select [EXIT].

The screen will return to the Setup menu.



### How to Verify the Date and Time


Press the DISPLAY button in a shooting or playback mode to view the date and time settings on the LCD monitor. → P.49, P.87 "LCD Monitor Display"


## Registering Owner Information

You can register personal data such as the owner's name, address, telephone number, and the name of the photographer. You can use the registered information for signature imprint, sending images by fax, or playback on a PC.

- 1 Set the mode dial to [SETUP].
- 2 Select [OWNER INFORMATION].




- 3 Select  for each item and input the required information using the on-screen keypad.

 • P.35 “Using the On-screen Keypad”

- 4 Select [OK].

The screen will return to the Setup menu.



-  • The registered owner's name will be embedded in the image and will be displayed as the file property when the image is displayed on a PC. → “Displaying File Properties” in the ‘Connecting to a Personal Computer’ operation manual
- When the camera is connected to a PC, you can register owner information from the PC. → “Owner Information” in the ‘Connecting to a Personal Computer’ operation manual

# Before You Start Recording

Before you start recording, format the storage media, adjust the viewfinder diopter and check the way to hold the camera.

## Formatting the Storage Memory

This function enables you to format the CF card, PC card and internal memory. Before using a new card or a card that has been used on another device, such as a PC, format the card with the camera first.



- Formatting the storage memory will erase all the recorded files (including protected files). Copy important files before formatting the storage memory. → P.92 “Copying and Moving Files”
- CF cards and PC cards formatted on other devices may not be used.

① Set the mode dial to [SETUP].

② Select [FORMAT].



③ Choose the storage memory to be formatted (CF CARD, PC CARD or INTERNAL MEMORY).

The confirmation message will be displayed.



④ Press the shutter release button.

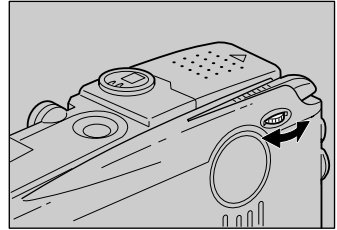
The “Now on format” message will be displayed, and when formatting is completed, the display will return to the Setup menu.



## Adjusting the Viewfinder Diopter

Adjust the diopter so that you can see the subject clearly in the viewfinder.

- 1 Turn the diopter adjuster to the left or right to adjust the visibility and ensure that you can see the subject clearly.



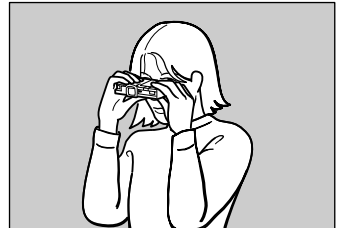
## How to Hold the Camera

Unintentional movement of the camera during shooting will result in blurred images. To keep the camera steady, hold the camera in the manner described below. Be particularly careful to keep the camera steady when taking telephoto zoom shots.

- 1 Hold the camera steady with both hands with the elbows lightly touching your body.

- **When viewing through the viewfinder**

With the camera lightly pressed against your head, aim it at your subject and look through the viewfinder.



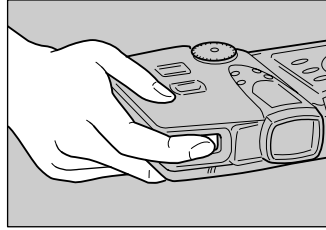
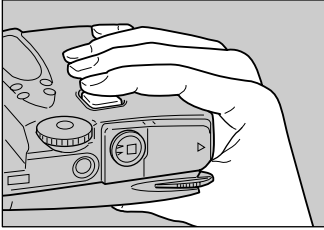
- **When viewing using the LCD monitor**

Hold the camera firmly in both hands, aim it at your subject and look at the LCD monitor.



## 2 Press the shutter release button lightly with your fingertip.

The shutter release buttons are located on top and front sides of the camera. Use either button depending on the situation.

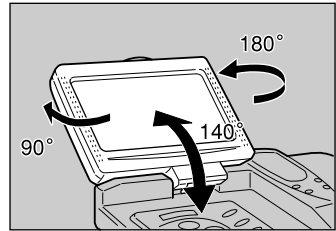


- Apply gentle but firm pressure to the shutter release button. Pressing the button quickly can result in a blurred image.
- Do not move the camera until the beep sound is heard.

You can rotate the LCD monitor as shown in the illustration, enabling you to shoot images at a variety of angles.

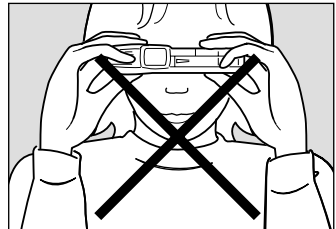


- Open the LCD monitor 90 degrees in a horizontal direction before rotating it.



## ■ Precaution

Be careful to keep the camera lens and flash from being covered by your fingers or hair or the camera strap.







# Chapter 3

## Shooting

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# Basic Shooting

This section explains the general flow of shooting operation and provides basic shooting instructions.

## Operation Flow

To record an image, follow the steps below.

### Turn on the Camera



Turn the camera on. → P.24

### Select a Recording Mode



Choose from five recording modes (📷 · 🎤 · 📄 · 🖨️ · 📺). For basic shooting, select 📷 (Still Picture) mode. → P.49

### Select the Storage Memory



Choose the recording destination from CF card (📷/CF CARD), PC card (📷/PC CARD) and internal memory (📷/IN). → P.50

### Select a Folder



Choose a folder in the storage memory in which to store the image files. → P.51

### Select the Image Quality Mode



Choose from nine image quality modes (📷/2048/FINE/1024/FINE/640/FINE). → P.52

### Check the Position of the Subject



Check the position of the subject in the viewfinder or on the LCD monitor. → P.53

### Set the Size of the Subject



Use the zoom lever to decide the size of the subject. → P.54

### Shoot

Press the shutter release button. → P.55

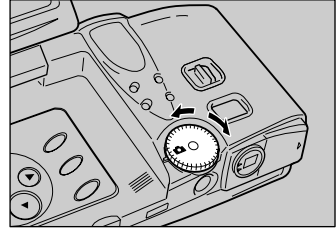
# Selecting a Recording Mode

The camera offers five recording modes (📷 · 🗣️ · 📄 · 📺 · 📹). Select the mode best suited to your photographic needs.

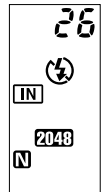
In this section, 📷 (Still Picture) mode is used.

## 1 Set the mode dial to [📷].

See • P.25 “How to Use the Mode Dial”



The recording data will be displayed on the LCD panel or LCD monitor.



## ● Switching the LCD Monitor Display

You can change the display on the LCD monitor by pressing the DISPLAY button. The display changes in the following sequence each time the DISPLAY button is pressed: Initial display → Information display → No display → LCD monitor off. → “LCD Monitor Display” (See below)



## LCD Monitor Display (Camera Mode)

Press the DISPLAY button to display recording information such as the recording mode, image quality mode, and recordable picture count. Each time you press the DISPLAY button, the display will switch in the following order:

### ● In Still Picture mode

Initial display    Information display    No display










LCD  
monitor  
Off

\* 🗣️, 📹 and the recordable time are displayed when the initial display or information display are displayed in Voice Memo mode or Motion Picture mode.

# Selecting the Storage Memory


Select the storage memory in which to record the image files.

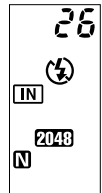
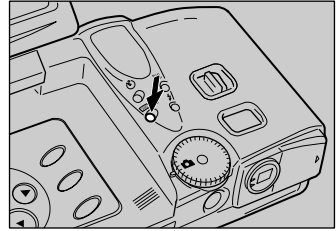
LCD Panel	LCD Monitor	Recording Destination
		Records images on the CF card
		Records images on the PC card
		Records images in the internal memory

- 1 Press the  button and select the storage memory (CF card, PC card or Internal memory).

The storage memory changes each time the button is pressed.

The storage memory will be displayed.

-  **Note** • You can set the storage memory to be automatically selected when the power is turned on. → P.116 “Keep Settings”



## Selecting a Folder

Select a folder in the storage memory in which to store the image files.

- 1 Set the mode dial to [📷, 🎤, 📄, 📺 or 📁].
- 2 Press the MENU button.
- 3 Select [FOLDER].  
The Select Folder menu will be displayed.
- 4 Select a folder in which to save the files and then select [OK].  
The screen will return to the Setup menu.
- 5 Select [EXIT].

The selected folder will be displayed on the LCD monitor.



- Note**
- You can create new folders and delete unnecessary folders. → P.121 “Adding or Deleting a Folder”
  - Up to 9999 images can be stored in a folder.

# Selecting an Image Quality Mode

The camera offers nine image quality modes. Select the mode best suited to your photographic needs.

LCD Panel	LCD Monitor
<b>2048 F N E</b>	2048 × 1536 F, 2048 × 1536 N, 2048 × 1536 E
<b>1024 F N E</b>	1024 × 768 F, 1024 × 768 N, 1024 × 768 E
<b>640 F N E</b>	640 × 480 F, 640 × 480 N, 640 × 480 E

\* The recordable picture count varies as you switch the image quality mode.

\* The factory default setting is **2048**, **N**.

## 1 Press the PIC button and select an image quality mode.

The image quality mode changes each time the button is pressed.

- Note** • To record the image without compressing the data, select the non-compressed (NC) mode. → P.75 “Non-Compressed Mode”

The selected image quality mode will be displayed.

The image quality mode setting will be saved even when the power is turned off.

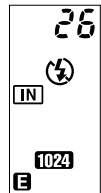
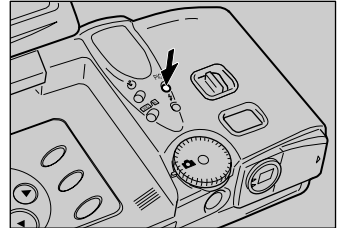


Image quality mode display when the DISPLAY button is pressed. (“Information display” → P.49)



## ● Data Guide

Image quality (Compression rate)	Size (No. of pixels)	F Fine	N Normal	E Economy
		<b>2048</b> 2048 × 1536	Approx. 1.12 MB/Image	Approx. 568 KB/Image
<b>1024</b> 1024 × 768	Approx. 376 KB/Image	Approx. 184 KB/Image	Approx. 88 KB/Image	
<b>640</b> 640 × 480	Approx. 152 KB/Image	Approx. 72 KB/Image	Approx. 40 KB/Image	

- Note** • Image sizes are 2048 × 1536 pixels, 1024 × 768 pixels and 640 × 480 pixels. Image sizes are indicated as **2048**, **1024** and **640** in this manual and on the product.
- For the recordable picture count by image quality mode, see “Recording Capacities” (P.136).

# Checking the Position of the Subject

Check the position of your subject by looking through the viewfinder or at the LCD monitor.

## ■ Viewing Through the Viewfinder

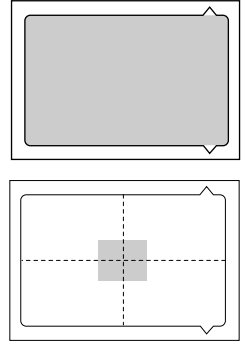
Aim the camera at the subject while looking through the viewfinder.

### ● Shooting Scope

Frame the subject within the viewfinder.

### ● Autofocus Field

Located in the center of the viewfinder and roughly corresponding to the area shown on the right, the autofocus field determines the focal distance.



## ■ Viewing the LCD Monitor

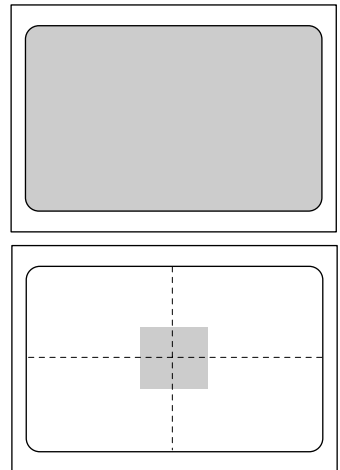
Aim the camera at the subject while looking at the LCD monitor.

### ● Shooting Scope

Frame the subject within the LCD monitor screen.

### ● Autofocus Field

Located in the center of the viewfinder and roughly corresponding to the area shown on the right, the autofocus field determines the focal distance.



• The shaded area and dotted lines are shown for illustration purposes only and do not actually appear in the viewfinder or on the LCD monitor.

# Setting the Size of the Subject (Zoom)

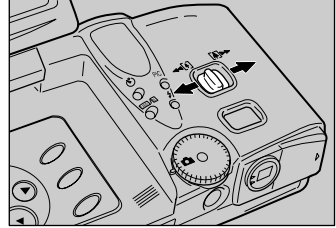
By pressing the zoom lever, you can vary the size of the subject without changing the distance between yourself and the subject (equivalent to 35 – 105 mm in 35 mm format).

## 1 Press the [▲] side or the [▼] side of the zoom lever.

Pressing the [▲] side will make the subject larger (telephoto setting) and pressing the [▼] side will make the subject smaller (wide setting).

The zoom bar will be displayed on the LCD monitor.

Adjust the size of the subject to your liking.



## ■ Digital Zoom Function

If you keep the [▲] side of the zoom lever pressed when the lens is at the maximum telephoto position or when macro mode (🌸 symbol is displayed) is set, with the recording mode set on 📷 (Still Picture) mode and the image quality mode set on 640, the digital zoom function is enabled and shots are enlarged 1.3 times, 1.6 times or 3.2 times.

To disable the digital zoom function, return the zoom lever to the [▼] side.



Magnification display

- Note**
- The digital zoom function can be used when the image quality mode is set on 640. It cannot be used in the following cases:
    - \* when the recording mode is set on 🗣️ (Voice Memo), 📄 (Text), 📷 (Continuous Shooting) or 📹 (Motion Picture) mode
    - \* when the image quality mode is set on non-compressed mode (NC)
  - When using the digital zoom function, decide the composition of the image on the LCD monitor before shooting.



# Shooting (Still Picture Mode)

This section explains how to shoot pictures in Still Picture mode. Hold the camera correctly to keep it steady.

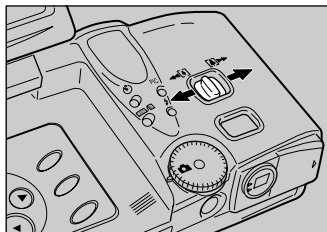
## 1 Aim the camera at your subject.

- Note**
- Use macro mode to shoot subjects closer than about 24 cm. → P.69 “Close-up Shooting (Macro Mode)”



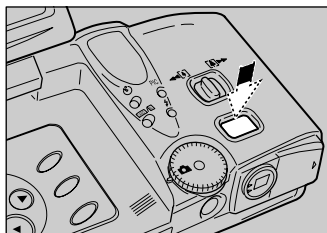
## 2 Press the zoom lever and decide the size of your subject.

- See**
- P.54 “Setting the Size of the Subject (Zoom)”
  - P.53 “Checking the Position of the Subject”



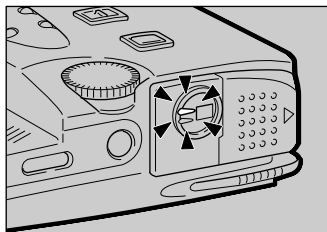
## 3 Press the shutter release button lightly with your fingertip.

The shutter release button works in a two-step action. When you press it lightly (halfway), the autofocus function is enabled to focus on the subject automatically. Keep the camera as steady as possible to ensure correct focusing.



The AF LED (green) will light when the subject is in focus and the focus, exposure and white balance will be set.

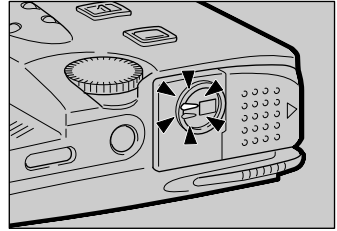
- Note**
- A flashing AF LED indicates that the subject is out of focus. Use the focus lock function. → P.57 “Focus Lock Shooting”
  - If the “SLOW SHUTTER” message appears, you are recommended to shoot with the flash enabled as camera shake tends to occur in this situation. → P.62 “Changing Flash Modes”



## ● Flash LED

When the flash fires, the flash LED (red) lights when the shutter release button is pressed lightly.

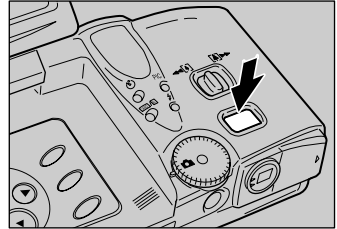
- Note**
- During charging, the flash LED will blink and the display on the LCD monitor will disappear. Photographs cannot be taken at this time.



## 4 Press the shutter release button down fully without removing your finger.

A beep will sound and the image will be displayed and recorded.

- Note**
- Moving the camera before the beep sounds may result in a blurred image.
  - You can take photographs with a voice memo. → P.61 “Shooting Still Pictures and Text with Voice Memo”



## To Cancel Recording

When the shutter release button is fully pressed, a photograph is taken and the image is displayed on the LCD monitor. At this time, press the CANCEL button and when the confirmation message is displayed, press the shutter release button.

You can set the image display time to your liking. → P.120 “Changing the LCD Confirmation Time”



### Important Note

- During recording, do not open the battery cover and the EJECT lever cover or remove the AC adapter.
  - During recording, the auto focus lamp and the flash lamp will flash on the LCD panel. Do not turn the mode dial or turn the power off until the recording process is complete.
- You can not switch the recording direction (CARD/IN) or display the MENU screen by pressing the MENU button while recording is in progress.

- Note**
- The camera will switch off automatically (auto power off) if it is left idle (no buttons or switches operated) for a fixed time. When you require more time to compose a shot, disable the auto power off feature. → P.117 “Auto Power Off Setting”
  - Have a spare battery or an AC adapter (optional) handy before using the camera for an extended period of time.

## ■ When Focusing is Difficult

You may experience difficulty focusing on the following subjects:

- Objects with little or no contrast (such as the sky, white walls, and car hoods)
- Flat two-dimensional objects with only horizontal lines and no significant protrusions or indentations
- Fast-moving targets
- Low-brightness objects (in dark places)
- Strongly backlit objects and objects struck by strong reflected light
- Flickering objects (such as fluorescent lights)

When shooting subjects like these, focus on another subject that is located at about the same distance and then aim at the target with that focus setting. → “Focus Lock Shooting” (See below), → P.70 “Manual Focus Shooting”



### Focus Lock Shooting






Usually, the auto focus function focuses the camera on the subject that appears in the autofocus field on the LCD monitor or in the viewfinder. If the subject is located outside the autofocus field, it may appear blurred in the resulting shot. Use the focus lock to ensure accurate focusing on the subject.

- 1. Bring the subject on which you wish to focus into the autofocus field.**
- 2. Press the shutter release button halfway and hold the button pressed when the auto focus lamp lights in green.**  
Focusing, exposure and white balance will be locked.
- 3. Decide the composition of the shot by moving the camera with the shutter release button held, and then press the shutter release button down fully.**




# Special Shooting Functions

This section explains the various shooting functions that are available. The functions that can be used vary depending on the recording mode. Refer to the table below.

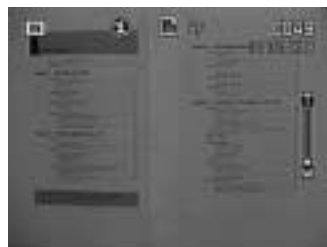
Shooting function \ Recording mode		 Still Picture	 Voice Memo	 Text	 Continuous Shooting	 Motion Picture
Folder	P.51	○	○	○	○	○
Voice Memo	P.61	○	✕	○	✕	✕
Focus Mode	P.70	○	✕	○	○	○
Date Imprint	P.71	○	✕	○	○	✕
Flash Strength	P.63	○	✕	○	✕	✕
ISO Sensitivity	P.72	○	✕	○	○	✕
Auto Bracket	P.73	○	✕	✕	✕	✕
Redeye Reduction	P.74	○	✕	✕	✕	✕
Non-compressed Mode	P.75	○	✕	✕	✕	✕
Monochrome Mode	P.76	○	✕	✕	○	○
Interval Mode	P.77	○	✕	○	✕	✕
Soft mode	P.78	○	✕	✕	○	✕
Time Exposure Mode	P.79	○	✕	✕	✕	✕
Signature Imprint	P.80	○	✕	✕	✕	✕
Brightness Control	P.81	✕	✕	○	✕	✕

## Recording Text (Text Mode)

This mode enables text to be recorded in a sharp image using only two values, black and white, with a data volume less than one-third of the usual volume.

- 1 Set the mode dial to [  ].
- 2 Press the shutter release button to take the picture.

The image will be displayed and recorded.



- Note**
- While the image is displayed on the LCD monitor, recording can be canceled by pressing the CANCEL button. → P.55 “Shooting (Still Picture Mode)”
  - Images can be recorded with voice memo. → P.61 “Shooting Still Pictures and Text with Voice Memo”
  - You can change the brightness to your liking when recording. → P.81 “Changing the Brightness in Text Mode”

## Recording Voice Memo (Voice Memo Mode)

This mode enables you to record a voice memo. The recordable time is displayed according to the available capacity in the recording destination.



- The microphone is located at the front of the camera. Aim the camera so that you can record a voice memo for the best result.
- Please keep the camera at least 30 cm (11.8") away from mobile phones to prevent interference.

### 1 Set the mode dial to [🎤].

The recordable time will be displayed on the LCD panel.

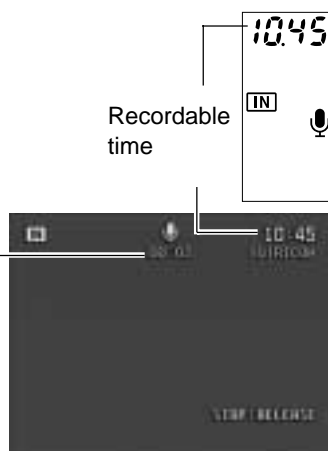
### 2 Press the shutter release button to record.

Recording will start. The 🎤 symbol flashes during recording and recording time is displayed.

To stop recording, press the shutter release button again.



- If the recording/recordable time exceeds 100 minutes, the first digit of the seconds will not be displayed on the LCD monitor or LCD panel.



# 3

Shooting

## Continuous Shooting (Continuous Shooting Mode)

Shots are taken continuously while the shutter release button is pressed. This function enables you to capture all those special moments.

### 1 Set the mode dial to [📷].

### 2 Press the shutter release button.

Shots are taken continuously while the shutter release button is pressed.

Picture taking stops when you release the shutter release button.



- Note**
- The flash does not fire in continuous shooting mode.
  - The focus, exposure and white balance adjustment level are locked in the status in effect when the shutter release button was pressed.
  - Shooting in continuous shooting mode is not possible if the file has reached number RIMG9999. Change the folder for the recording destination to resume shooting.

**● Maximum no. of pictures in continuous shooting mode**

The maximum number of pictures that can be taken continuously varies according to the image quality mode.

Size (No. of pixels)	Image quality (Compression rate)	<b>F</b> Fine	<b>N</b> Normal	<b>E</b> Economy
	<b>2048</b> 2048 × 1536		Approx. 5	Approx. 12
<b>1024</b> 1024 × 768		Approx. 17	Approx. 36	Approx. 70
<b>640</b> 640 × 480		Approx. 46	Approx. 89	Approx. 164

\* The maximum number of pictures that can be taken continuously at one time is shown above and varies depending on the available space in the storage memory.

## Shooting Motion Pictures (Motion Picture Mode)

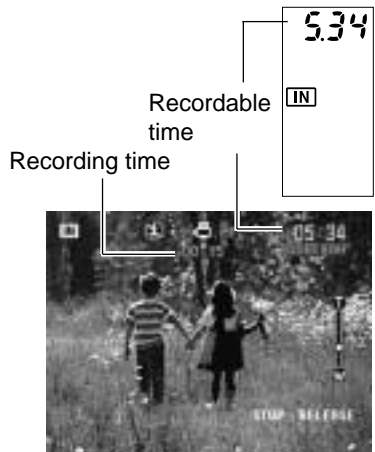
This mode enables you to shoot motion pictures. The recordable time is indicated according to the available capacity in the recording destination. Sound is incorporated in the recording.

- Important Note**
- The microphone is located at the front of the camera. Aim the camera so that you can record a voice memo for the best result.
  - Please keep the camera at least 30 cm (11.8") away from mobile phones to prevent interference.

- 1 Set the mode dial to [M].**  
The recordable time will be displayed on the LCD monitor or LCD panel.

- 2 Press the shutter release button to take the picture.**  
Shooting will start.

To quit shooting, press the shutter release button again.



- Note** • The zoom does not function during recording of motion pictures.
- The flash does not fire in Motion Picture mode.
- The focus, exposure and white balance adjustment level are locked in the status in effect when the shutter release button was pressed halfway.

## Shooting Still Pictures and Text with Voice Memo

You can record approximately 10 seconds of voice memo with a still picture or text image. Use this function to add your own comments or explanation.

- Important Note** • The microphone is located at the front of the camera. Aim the camera so that you can record a voice memo for the best result.
- Please keep the camera at least 30 cm (11.8") away from mobile phones to prevent interference.

**1** Set the mode dial to [📷] or [📄] and press the MENU button.

**2** Select [VOICE MEMO].




**3** Select [ON] and then select [OK].

**4** Select [EXIT] to exit the menu display.

**5** Press the shutter release button to take the picture.





About 10 seconds of voice memo can be recorded after the image has been displayed. The [🎤] symbol flashes during recording.




- Note**
- The focus, exposure and white balance adjustment level are locked in the status in effect when the shutter release button was pressed halfway.
  - Voice memo recording will start after shooting in non-compressed (NC) mode for  (Still Picture), or in  (Text) mode. During voice memo recording,  is displayed on the LCD panel.

## Changing Flash Modes








There are four flash modes available with this camera. Switch the flash mode to meet your photographic needs.


Display	Mode	Explanation
	Flash Off	The flash will not fire, even in dark places. Use this mode in places where flash photography is prohibited and in bright indoor settings.
	Auto	The flash will fire automatically in dark places and where there is backlighting.
 (lit)	Forced Flash	Backlighting and strong light can produce dark shadows on the faces of the subjects. Use this mode in such situations. The flash will always fire, regardless of the brightness.
 (blinking)	Slow Synchro	The flash can be fired to illuminate the subject while a slow shutter speed correctly exposes the background. By firing the flash, it is possible to avoid the background alone being darkened. Use this mode at indoor parties, etc., to clearly photograph the subjects while making the most of the background atmosphere.

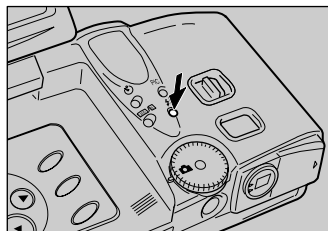
\* The factory default setting is  (Flash Off) mode.

### Effective Range of the Flash

When you shoot with the flash activated, the flash has an effective range of about 0.6 – 2.5 m (23.7 – 98.5 inches). The subject will appear dark in the picture if the light from the flash fails to reach it.

- 1 Set the mode dial to  or .
  - 2 Press the  button and select the flash mode (, ,  lit,  blinking).
- The flash mode will change each time the button is pressed.

The selected flash mode will be displayed. In Auto mode, the  symbol will be displayed on the LCD monitor only and not on the LCD panel.

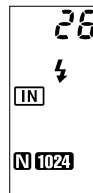




### 3 Press the shutter release button to take the picture.

When the flash fires, the flash LED (red) will light when the shutter release button is pressed halfway.

When the flash is being recharged, the flash LED blinks and the display disappears from the LCD monitor. Photographs cannot be taken at this time.



- When you shoot a subject located closer than about 0.6 m (23.7 inch) with the flash activated, the light from the flash may appear reddish in some cases. The subject may also appear white in the resultant shot due to overexposure. To avoid this problem, switch to Flash Off mode.
- The shutter speed slows automatically when you shoot in dark places. To prevent camera shake, hold the camera steady or mount it on a tripod. Take care to avoid camera shake particularly at telephoto (📷) settings.



- The flash will not fire in the following cases:
  - when the shooting mode is set on 🗣️ (Voice Memo), 📺 (Continuous Shooting) or 🎞️ (Motion Picture) mode
  - when the white balance is set on ☀️ (daylight), ☁️ (overcast), 🏠 (tungsten light) or 📺 (fluorescent light) mode
  - when using macro mode (🌸)
  - when using auto bracket
- Enable the keep settings mode to save the flash mode setting. → P.116 “Keep Settings”
- If the subject appears dark on the LCD monitor when taking photographs with the flash activated, set the zoom lever to the wide position. Focusing may be difficult in the telephoto position.
- Use of the redeye reduction mode will lessen the redeye phenomenon. → P.74 “Redeye Reduction Mode”

## ■ Adjusting the Flash Strength

You can adjust the strength of the flash when it fires (🔋<sup>A</sup>, 🔋 lit, 🔋 blinking).

- 1 Set the mode dial to [📷] or [📷] and press the MENU button.

2 Select [FLASH STRENGTH].



3 Select the desired strength (STRONG, NORMAL, SOFT) and then select [OK].



4 Select [EXIT] to exit the menu display.

If you select [STRONG], a plus symbol [+]  
will be displayed on the LCD monitor, and if  
you select [SOFT], a minus symbol [-] will be  
displayed. There is no display for [Normal].

5 Press the shutter release button to  
take the picture.

- Note** • Enable the keep settings mode to  
save the flash strength setting. →  
P.116 “Keep Settings”



## Setting the Exposure Compensation

As long as the subject is centered in the shooting range, you can take the picture normally as the camera will automatically adjust the exposure compensation for backlighting. If there is a significant difference in brightness between the background and subject, however, the subject tends to be underexposed (dark) or overexposed (white). Exposure compensation is useful in this situation. You can also use exposure compensation to produce intentionally under- or over-exposed images.

● **Exposure Compensation Range**

± 2.0 EV (in 0.5 EV steps)

● **Shooting Against the Light**

The bright background will make the subject appear underexposed. Set the exposure compensation level to a positive value to adjust the exposure.




- If the subject is not centered in the shooting range when taking a picture against the light, the camera will not assume that the subject is in a backlit state. Exposure compensation is required in this situation.

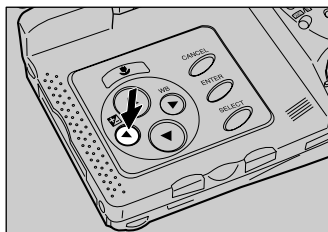
### ● Shooting a White Image



If you shoot an image that appears generally white, the shot will be underexposed as a whole, with people appearing dark and white objects appearing gray. Set the exposure compensation level to a positive (+) value to adjust the exposure.



### ● Shooting a Black Image

If you shoot an image that appears generally black, the shot will be overexposed as a whole, with people appearing white and black objects appearing gray. Set the exposure compensation level to a negative (–) value to adjust the exposure. Follow the same procedure when shooting a person under a spotlight, for example.



- 1 Set the mode dial to one of the following [📷, 📄, 📱 or 📡] and press the  button.



- 2 Touch  or  with the pen to change the compensation level and select [OK].

Touch  to increase the level and touch  to reduce the level.

### ● Using the Buttons

Press the  button to increase the level and press the  button to reduce the level.



- 3 Press the shutter release button to take the picture.

Exposure compensation display when the DISPLAY button is pressed. (Information display → P.49)







- Note**
- Enable the keep settings mode to save the exposure compensation setting. → P.116 “Keep Settings”
  - Three frames in succession can be taken, one each at –0.5 EV, 0 and +0.5 EV, based on the preset exposure compensation value. This function is convenient for checking the exposure compensation value setting. → P.73 “Using Auto Bracket”

# Changing the White Balance Mode

The white balance mode adjusts the white balance so that you can capture your subject in its natural colors regardless of the light source. The auto mode will suffice in most situations.




The auto mode automatically adjusts the white balance based on the white areas, ensuring that white is reproduced as white regardless of the light source. Consequently, a subject that lacks in white tones as a whole or that is dominated by dark tones may not achieve an appropriate white balance. Change the white balance mode to shoot such subjects.

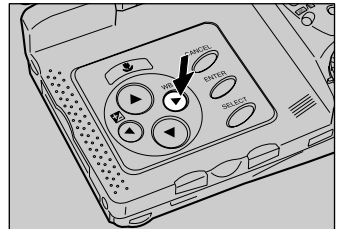
Display	Mode	Explanation
AUTO	Auto	Automatically adjusts the white balance
	Daylight	Use to shoot subjects outdoors where the appropriate white balance is difficult to achieve.
	Overcast	Use to shoot subjects outdoors under cloudy skies where the appropriate white balance is difficult to achieve.
	Tungsten light	Use to shoot subjects under tungsten light where the appropriate white balance is difficult to achieve.
	Fluorescent light	Use to shoot subjects under fluorescent light where the appropriate white balance is difficult to achieve.





\* The factory default setting is AUTO mode.

## Subjects Difficult to Correct in Auto Mode

- Monochrome subjects
- Objects lit by multiple light sources

① Set the mode dial to one of the following [,  or ] and press the WB button.



② Select the white balance mode (AUTO, , ,  or ) and then select [OK].



- 3 Press the shutter release button to take the picture.



- Even with the same subject, colors may vary due to the weather conditions and light source (tungsten light or fluorescent light).



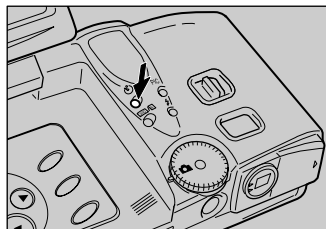
- In AUTO mode, subjects lacking in white tones may not achieve an appropriate white balance. When shooting such subjects, add a white object to the composition.
- The flash will not fire in the following white balance modes: (daylight), (overcast), (tungsten light) and (fluorescent light) mode.
- Enable the keep settings mode to save the white balance mode setting. → P.116 “Keep Settings”


## Using the Self-Timer


The self-timer offers a convenient way to take group pictures with the photographer included. Mount the camera on a tripod or a flat, firm surface to shoot pictures with the self-timer.

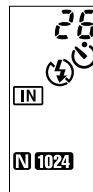
- 1 Set the mode dial to [] or [] and press the button.

The self-timer is now set.



The  symbol will be displayed on the LCD monitor or LCD panel.

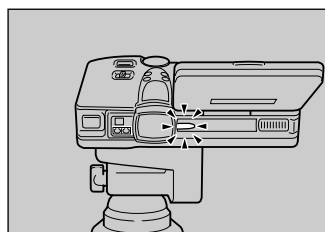
- Note** • To cancel self-timer mode, press the  button again.



**2 Decide the composition of the picture, position the camera securely, and press the shutter release button.**

The self-timer LED will light and the self-timer will start. The shutter will be released after about 10 seconds. The self-timer LED will start blinking about 2 seconds before the shutter is released and the beep sound will be heard.

The self-timer mode is canceled automatically when the shutter is released.



- Note** • If the flash is charging, the self-timer will start when charging is completed.  
• The focus is locked when the shutter release button is pressed.




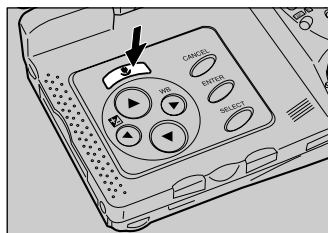
### Remote Control


To operate the camera from a remote position or when the camera is fixed in one spot, use the optional remote control unit.


# Close-up Shooting (Macro Mode)

Macro mode allows you to take a close-up picture of a subject. Use this mode when the distance to the subject is less than about 24 cm.

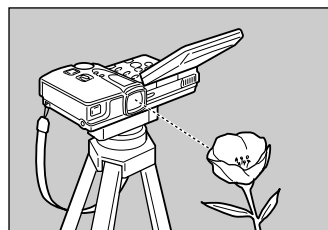
- 1 Set the mode dial to one of the following: [📷, 📄, 📺 or 📷] and press the  button.



The  symbol will be displayed on the LCD monitor.

- Note** • To cancel the macro mode, press the  button again.

- 2 Decide the composition of the picture and press the shutter release button halfway to set the focus.
- 3 Press the shutter release button to take the picture.



- Important Note**
- The focusing range is so small in macro mode that the focus can be lost if the camera is moved. Make sure the camera is firmly positioned by mounting it on a tripod, for example, to keep it steady when shooting.
  - Since the field of view through the viewfinder and the shooting range are shifted by a wide margin, take pictures by confirming the shooting range on the LCD monitor or with the camera connected to a TV monitor.



## Shutter Release Button

The optional remote control unit is useful when the camera is mounted on a tripod or similar device and the shutter release button is difficult to press.

- Note** • The flash does not fire in macro mode.

# Manual Focus Shooting

The manual focus function can be used to manually adjust the focal setting for subjects difficult to bring into focus with autofocus.

① Set the mode dial to one of the following: [📷, 📷, 📷 or 📷] and press the MENU button.

② Select [FOCUS MODE].



③ Select the focus mode (MF) and then select [OK].



④ Select [EXIT] to exit the menu display. MF will be displayed on the LCD monitor.

**Note** • To cancel the manual focus mode, select [AF].

⑤ Press the ▲/▼ buttons to set the focus and press the shutter release button to take the picture.



**Note** • Enable the keep settings mode to save the focus mode setting → P.116 "Keep Settings"



# Date Imprinting

Use this function to record images imprinted with the date.

- Note** • If the date has not been set in the Setup menu, this function is not available. Set the date. The date is displayed in the format selected with the DATE SETTING option in the Setup menu. → P.39 “Setting the Date and Time”

**1** Set the mode dial to one of the following: [📷], [📷], or [📷] and press the MENU button.

**2** Select [DATE IMPRINT].



**3** Select the date type (DATE, DATE + TIME, or TIME) and then select [OK].

### Example

The format for the date (2000/09/15/10:15) is displayed as shown below. If you have chosen

- [DATE] ..... 2000/09/15 (yyyy/mm/dd)
- [DATE + TIME] ... 2000/09/15 10:15 (yyyy/mm/dd/hh:mm)
- [TIME]. ..... 10:15 (hh:mm)



- Note** • To cancel the date imprint mode, select [OFF].

**4** Select [EXIT] to exit the menu display.

**5** Press the shutter release button to take the picture.

- Note** • Enable the keep settings mode to save the date imprint mode setting. → P.116 “Keep Settings”

# Changing the ISO Sensitivity

You can change the ISO sensitivity.

- 1 Set the mode dial to [📷] and press the MENU button.
- 2 Select [ISO SENSITIVITY].



- 3 Select the ISO sensitivity (AUTO, ISO 200 or ISO 400) and then select [OK].
- 4 Select [EXIT] to exit the menu display.  
The ISO sensitivity will be displayed on the LCD monitor.
- 5 Press the shutter release button to take the picture.



ISO sensitivity display when the DISPLAY button is pressed. (Information display → P.49)



- Note** • Enable the keep settings mode to save the ISO sensitivity setting. → P.116 “Keep Settings”

# Using Auto Bracket

This function takes three frames in succession: one each at  $-0.5$  EV, 0 and  $+0.5$  EV, based on the exposure compensation value set in “Setting the Exposure Compensation” (P.64). This function is useful for checking the exposure compensation.

Mount the camera on a tripod or level surface to prevent camera shake.

**1** Set the mode dial to [📷] and press the MENU button.

**2** Select [AUTO BRACKET].



**3** Select [ON] and then select [OK].



**4** Select [EXIT] to exit the menu display.

AB will be displayed on the LCD monitor.

**5** Press the shutter release button to take the picture.

Auto bracket display when the DISPLAY button is pressed.  
(Information display → P.49)




When the shutter release button is pressed, three frames will be taken in succession at  $-0.5$  EV, 0 and  $+0.5$  EV, based on the preset exposure compensation value.



- **Note** Auto Bracket cannot be used when the image quality mode is set on non-compressed mode (NC) or when [VOICE MEMO] is set on [ON].
- The flash does not fire in auto bracket mode.

## Redeye Reduction Mode

If you shoot a subject in a dark place with the flash activated, the eyes of the subject may appear red in the resultant picture. In redeye reduction mode, the flash will fire several times before the shutter releases to lessen the redeye phenomenon.


- 1 **Set the mode dial to [📷] and press the MENU button.**
- 2 **Select [REDEYE REDUCTION].**
- 3 **Select [ON] and then select [OK].**
- 4 **Select [EXIT] to exit the menu display.**  
The  symbol will be displayed on the LCD monitor or LCD panel.
- 5 **Press the shutter release button to take the picture.**

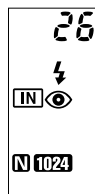
When you press the shutter release button, the flash will fire several times in succession preliminarily before firing last when the shutter releases.



- The shutter takes about 1 second to release after you press the shutter release button. Hold the camera steady meanwhile to shoot.



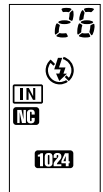
- Redeye reduction mode cannot be used when the flash mode is set on  (Flash Off).



# Non-Compressed Mode

Normally the image quality mode compresses the data when the image is recorded. To record the image without compressing the data, set the non-compressed (NC) mode.

- 1 Set the mode dial to [📷] and press the MENU button.
- 2 Select [NON-COMPRESSED MODE].
- 3 Select [ON] and then select [OK].
- 4 Select [EXIT] to exit the menu display.  
NC will be displayed on the LCD monitor or LCD panel.
- 5 Press the shutter release button to take the picture.



## ● Data Guide

Non-compressed mode display when the DISPLAY button is pressed. (Information display → P.49)

Size (No. of pixels)	NC
<b>2048</b> 2048 × 1536	Approx. 6.0 MB/Image
<b>1024</b> 1024 × 768	Approx. 1.5 MB/Image
<b>640</b> 640 × 480	Approx. 640 KB/Image



# Monochrome Mode

This mode enables you to shoot subjects in black and white or sepia images.

- 1 Set the mode dial to one of the following: [📷], [📷], or [📷] and press the MENU button.
- 2 Select [MONOCHROME MODE].



- 3 Select the monochrome mode (B&W or SEPIA) and then select [OK].  
Select [B&W] to shoot in black and white images or [SEPIA] to shoot in sepia images.



**Note** • To cancel monochrome mode, select [OFF].

- 4 Select [EXIT] to exit the menu display.
- 5 Press the shutter release button to take the picture.

Monochrome mode display when the DISPLAY button is pressed.  
(Information display → P.49)



**Note** • When you choose monochrome mode, the white balance mode does not function.

# Interval (Time-lapse) Recording

The camera can be set to take pictures automatically at preset intervals. The interval can be set in steps of 30 seconds in the range of 30 seconds to 3 hours.

For example, if you set an interval of 1 hour, the shutter will be released every hour, taking pictures continuously until the storage memory in the recording destination runs out of available memory.




- Check the recordable picture count in the storage memory before starting interval (time-lapse) recording.

- 1 Set the mode dial to [📷] or [📄] and press the MENU button.
- 2 Select [INTERVAL MODE].

- 3 Set the time interval and select [OK].

The interval timer is now set.



- P.34 “How to Use the Spin Box ”

- 4 Select [EXIT] to exit the menu display.



- To cancel interval (time-lapse) recording, set the mode dial to another setting or switch the camera off while the “INTERVAL” message is lit.

- 5 Press the shutter release button.

The first photograph will be taken and then additional photographs will be taken at the preset time interval.

The “INTERVAL” message will blink during interval (time-lapse) recording. Picture taking will end when the storage memory runs out of memory.



- **Note** • Press the CANCEL button during recording to stop the interval (time-lapse) recording.
- Normal picture taking is possible during interval (time-lapse) recording by pressing the shutter release button. The preset time interval will not change.
- The time interval may become longer than the preset interval, depending on the image quality mode and flash mode settings.
- If using the battery, the battery may become exhausted during interval (time-lapse) recording. It is recommended to use the optional AC adapter.

## Soft Mode

Recording the plane images such as a face of a person, a sky and a wall in soft mode makes the contours soft.

**1** Set the mode dial to [📷 or 📹] and press the MENU button.

**2** Select [SOFT MODE].



**3** Select [ON] and select [OK].

**4** Select [EXIT] to exit the menu display.



**5** Press the shutter release button.

Soft mode display when the DISPLAY button is pressed. (Information display → P.49)



- **Note** • Enable the keep settings mode to save the soft mode setting. → P.116 “Keep Settings”



# Time Exposure Mode

Set the time exposure mode to record the bright subjects such as the fireworks and running cars in a dark place.



- Mount the camera on the tripod when recording in time exposure mode.

① Set the mode dial to [📷] and press the MENU button.

② Select [TIME EXPOSURE MODE].



③ Select [Off•1SEC•2SEC•4SEC•8SEC] and select [OK].



④ Select [EXIT] to exit the menu display.  
LX will be displayed on the LCD monitor.

⑤ Press the shutter release button.

Time exposure mode display



- The time exposure mode can not be set when auto bracket mode is set.

# Signature Imprint Mode

This mode enables you to record images imprinted with the name of the photographer, etc. which you input in a PC and transfer the information to the camera.

❶ Set the mode dial to [📷] and press the MENU button.

❷ Select [SIGNATURE].

❸ Select the signature (STORED NAME or STORED IMAGE) to be added to the image.

If you select STORED NAME, the name registered in “Registering Owner Information” (P.42) will be added.

If you select STORED IMAGE, the image file created on a PC and transferred to the camera will be added.

❹ Select the location of the signature and then select [OK].

The signature is now set.

**See** • P.33 “How to Use the Radio Button (📻)”

**Note** • To cancel signature imprint mode, select [NO SIGNATURE].

❺ Select [EXIT] to exit the menu display.

📷 mark will be displayed on the LCD monitor.

❻ Press the shutter release button to take the picture.


Signature Imprint mode display when the DISPLAY button is pressed.  
(Information display → P.49)

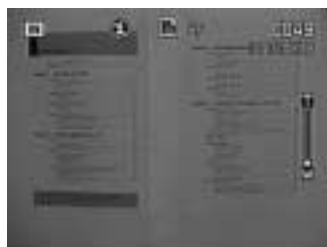


- Note**
- The signature imprinted in the image can be superimposed on the date and time information display, depending on the signature size or the imprint location.
  - The image quality may deteriorate slightly when signature imprint mode is used.
  - Files for use with STORED IMAGE are a BMP or GIF format . The image is sent from a PC to the camera by the signature transfer function. → “Transferring a Signature File” in ‘Connecting to a Personal Computer’ operation manual

## Changing the Brightness in Text Mode

When shooting in Text mode, you can set the brightness in five stages to improve the readability of the text.

- 1 Set the mode dial to [  ].
- 2 Select [BRIGHTNESS CONTROL] and then select [OK].
- 3 Select the brightness (DARK, MEDIUM DARK, MEDIUM, MEDIUM LIGHT or LIGHT) and then select [OK].  
The brightness is now set.
- 4 Select [EXIT] to exit the menu display.
- 5 Press the shutter release button to take the picture.





# Chapter 4

## Playback/Deleting

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# Basic Playback

This section explains the basic method for playing back recorded images and playing back images using a TV.




## Files Playable on the Camera

The following image files can be played on this camera.

- Files recorded on this camera
- Files transferred from a PC

- Note**
- The “UNMATCHED FILE” message will be displayed if an unplayable file is encountered.
  - Files recorded on the Ricoh RDC-300, RDC-4000 and RDC-5000 series and RDC-7 can also be displayed. However, the non-compressed files recorded in PRO mode of RDC-7 is unplayable.


## Playing a Still Picture, Text or Continuous Shooting File





Follow the procedure below to play files recorded in  (Still Picture),  (Text) or  (Continuous Shooting) mode, and still picture or text files with a voice memo.

- 1 Set the mode dial to [▶] and select the playback source with the  button.**







The most recently recorded file will be played back.

- Note**
- If necessary, you can switch folders to play a file from a folder of your choice. → P.100 “Selecting a Folder”

- 2 Use the  or  button to select the file to be played.**

Pressing the  button to display the previous image and pressing the  button to display the next image. Press and hold the  or  button changes the image continuously.

### ● Using the Buttons

Press the - buttons. Pressing the  button to display the previous image and pressing the  button to display the next image. Press and hold the  or  button changes the image continuously.



## ● Still Picture or Text File with Voice Memo

To play the voice memo, press the shutter release button.

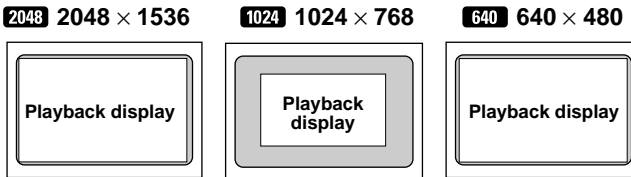
Playback of the voice memo file will end automatically. To pause playback, press the shutter release button. Press the shutter release button again to resume playback.




- Note** • You can adjust the volume by pressing the ◀ or ▶ button. → “Playing a Voice Memo File” (See below)

## ● Playback Display

If pictures are taken in the following image sizes, the playback display on the LCD monitor or TV monitor will appear as shown below.





- Note** • Files may take a short time to play after the camera is turned on or the mode dial is set, depending on the capacity of the storage memory.
- Files that have been recorded in  (Continuous Shooting) mode are recorded as a single file and therefore can be played the same way as regular files.



## Playing a Voice Memo File

Follow the procedure below to play a file recorded in  (Voice Memo) mode.

- Important Note** • The speaker is located on the top of the operation panel. Adjust the direction of the camera to obtain the optimum playback condition.

- 1** Set the mode dial to [ ] and select the playback source with the  /  button.

- Note** • If necessary, you can switch folders to play a file from a folder of your choice. → P.100 “Selecting a Folder”

- 2 Select the voice memo file with the  or  button and press the shutter release button.

- **Using the Buttons**



Press the  or  button.

The voice memo will be played and the playback indicator and time elapsed will be displayed.





Playback of the voice memo file will end automatically. To cancel playback, press the shutter release button.

- **To Pause and Resume Playback**

To cancel playback, press the shutter release button during playback, and to resume playback, press the shutter release button again.

To fast forward, keep the  side of the zoom lever pressed while playback is suspended, and to rewind, keep the  side of the zoom lever pressed.


- **To Adjust the Volume**




If you press the  or  button during playback, the volume indicator will be displayed. Press the  or  button to adjust the volume.



- Note** • If the recording or recordable time exceeds 100 minutes, the first digit of the seconds will not be displayed on the LCD monitor or LCD panel.



## Playing a Motion Picture File

Follow the procedure below to play a file recorded in  (Motion Picture) mode.

- 1 Set the mode dial to  and select the playback source with the /  button.

- Note** • If necessary, you can switch folders to play a file from a folder of your choice. → P.100 “Selecting a Folder”



- ② Select the motion picture file with the  or  button on the LCD panel, and press the shutter release button.



### ● Using the Buttons

Press the  or  button.

The motion picture will be played and the playback indicator and time elapsed will be displayed.



Playback of the motion picture file will end automatically. To cancel playback, press the shutter release button.

### ● To Pause and Resume Playback

To pause playback, press the shutter release button during playback, and to resume playback, press the shutter release button again.

### ● Advance and Rewind, and Slow and Reverse Slow Playback

To advance one frame, press the [▶▶] side of the zoom lever while playback is suspended, and to rewind one frame, press the [◀◀] side of the zoom lever. For slow playback, keep the [▶▶] side of the zoom lever pressed, and for reverse slow playback, keep the [◀◀] side of the zoom lever pressed.

- Note** • You can adjust the volume by pressing the  or  button. → P.85 “Playing a Voice Memo File”

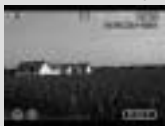


### LCD Monitor Display (Play Mode)

Each time the DISPLAY button is pressed, the information display changes to show the date and time recorded, the image quality mode, etc.

#### ● For still picture, text and continuous shooting files

Initial display





Information display



No display



LCD  
monitor  
Off

\* In the case of voice memo files and motion picture files, , , the time elapsed and the indicator are displayed on the initial display or information display.

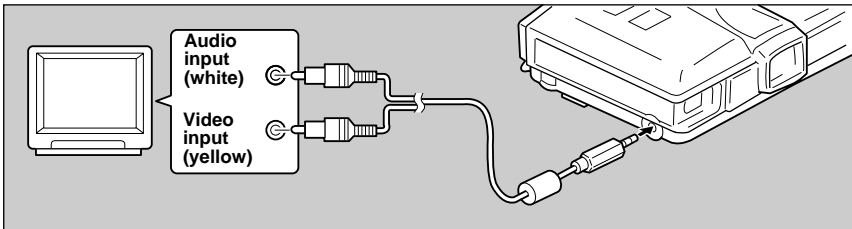
\* Advance and rewind buttons, and [EDIT] on the display function even when the LCD monitor is turned off.

# Playback Using a TV

Connect the camera to a TV set with the video interface cable supplied to play recorded image files on the TV screen.

**See**

- Refer to the instruction manual for the equipment to which the camera is connected.



- 1 Check that both the camera and the TV are turned off.
- 2 Connect the video interface cable to the video output terminal on the camera.
- 3 Connect the other end of the video interface cable to the video input terminal and audio input terminal on the TV.

## Using the Camera for Extended Periods of Time

Supplying power to the camera from a household AC outlet using an optional AC adapter is recommended for shooting over extended periods of time. → P.119 “Connecting an AC Adapter”

**\* Make sure that the camera is turned off before connecting the AC adapter.**

**Note**

- When you are overseas, you can view recorded images on a TV set with the other Video-out signal method (NTSC/PAL). → P.119 “Changing the Video-out Signal Method”
- When the camera is connected to a TV set, the image is displayed on the TV monitor just as it appears on the LCD monitor.
- The LCD monitor will appear blank if you connect the video interface cable to the camera when the video out mode is set to PAL.
- Not all the information can be displayed on the TV screen depending on the image size captured or the TV screen.

# Special Functions

This section explains the various playback functions.

## Switching to Edit Mode

Switching to Edit mode enables you to use the various playback functions, such as displaying several files at once and magnifying and rotating files. Use the stylus pen to perform the following operations.

- 1 Set the mode dial to [▶] and select the playback source with the [CARD]/[IN] button.

- 2 Touch [EDIT].

- Using the Buttons

Press the ENTER button.



The mode will switch to the Edit mode.

- 3 When you have finished editing, select [EXIT].

Edit mode will be exited and the normal playback screen will be displayed.





## Displaying One File at a Time (Single Image Playback)



This function enables you to play back one file at a time.



- 1 Switch to Edit mode.

The mode will change to Edit mode and the single image playback will be enabled.

See • “Switching to Edit Mode” (See above)

**2 Select the file to be displayed with the  or  button.**

Selecting the  button will display the previous file, and selecting the  will display the next file.

The mark ( or ) on the screen indicates the attachment. → P.27 “Play Mode”.

**● Using the Buttons**

Press the  or  button.



## Displaying Several Files at Once (Thumbnail Playback)



Nine files are displayed at once, enabling speedy search for the image you wish to see.



**1 Switch to Edit mode and select  with the pen.**



The display will switch to the thumbnail playback display.

**See** • P.89 “Switching to Edit Mode”



**2 Select  or  with the pen to change the files displayed.**







Selecting  will display the previous nine files, and selecting  will display the next nine files.

The file on which the focus is set is the selected file. You can change the selected file using the · buttons.



**3 Select .**

The screen will return to the single image playback display. The file selected during thumbnail playback display will be displayed.

- Note**
- Unplayable files are indicated in black.  displayed on blue screen indicates a voice memo file and  indicates a text file.
  - A paperclip symbol  above a thumbnail display indicates a motion picture file and a  symbol indicates an attachment.
  - Pressing the  button when the selected file is on the top row will display the previous nine files, and pressing the  button when it is on the bottom row will display the next nine files.

# Magnifying a File (Zoom Playback)

You can magnify a file lengthwise and widthwise to check for blurring when taking the picture, etc. The file can be displayed at the following magnification rates depending on the image size.

- **2048** : 1.4 times, 2.7 times
- **1024** : 1.4 times, 2.7 times
- **640** : 1.7 times






## 1 Switch to Edit mode and select with the pen.

The mode will switch to zoom playback display.

 • P.89 “Switching to Edit Mode”






## 2 Drag the pen on the screen to check the display area.

 • You can move the display area vertically and horizontally by selecting the green , or , or  or .



### ● Changing the Magnification

To magnify the size, touch  and to reduce the size touch .

-  • Zoom playback display can be used in single image playback display, but not in thumbnail display.
- Zoom playback display can be used for still picture files, text files, and still picture and text files with an attachment.

# Copying and Moving Files

This function enables you to copy or move files between storage memory. A selected file or whole folder can be copied or moved.



- When a protected file is moved, the source file is not deleted.
- If there is insufficient memory capacity at the destination, the “Insufficient memory” message will be displayed. Delete unnecessary files or insert a new storage card before resuming operation.

## 1 Switch to Edit mode.

- “Copying and Moving Selected Files” → See below
- “Copying and Moving a Whole Folder” → P.93





• P.89 “Switching to Edit Mode”

## ■ Copying and Moving Selected Files

### 1 Display the file to be copied or moved and change to .

To continue selecting files, repeat step 1.

#### ● Thumbnail Display

Change  to  on the file to be copied or moved. You can select more than one file.



### 2 Select [COPY/MOVE].


### 3 Select the option (COPY or MOVE).

### 4 Select the item (SELECTED).

The copy or move item is the files you selected in step 1.

### 5 Select the destination (CF CARD, PC CARD or IN).



• P.33 “How to Use the Radio Button ()”



**6 Specify the destination folder and select [OK].**

Copying or moving starts, and when finished, the message is displayed.

**7 Select [OK].**

The display will return to the Edit mode.



**Note** • If  is not changed to , the file currently displayed on the single image playback display or the selected file on the thumbnail playback display becomes the target.

## ■ Copying and Moving a Whole Folder

**1 Select [COPY/MOVE].**




**2 Select the option (COPY or MOVE).**

**3 Select the item (FOLDER).**

The copy or move item is all the files in the folder currently displayed.

**4 Select the destination (CF CARD, PC CARD or IN).**



**See** • P.33 “How to Use the Radio Button ()”

**5 Specify the destination folder and select [OK].**

Copying or moving starts, and when finished, the message is displayed.

## 6 Select [OK].

The display will return to the Edit mode.



- Note** • A whole folder cannot be copied or moved within the same storage memory.

## Editing Images

This function enables you to edit recorded images. You can cut off unwanted areas, change the image size, or rotate the display.

- Note** • Edited files are saved when the camera is switched off. You can play the edited file next time you switch the camera on.
- Editable files are still picture files, text files, and still picture and text files with an attachment, taken with this camera.
  - The edited file will be saved as a new file.


## 1 Switch to Edit mode and select [EDIT IMAGE].

- See** • P.89 “Switching to Edit Mode”



The edit menu will be displayed.

- Cropping → P.95
- Changing the Image Size → P.95
- Rotating → P.96

- Note** • To cancel operation and return to the Edit mode, select .





## ■ Cropping

This function enables you to crop the image by specifying the rectangular scope. You can cut off unwanted areas when shooting and keep only the area you want.

### ① Select [CROPPING].



### ② Touch the starting point of the rectangle (①) to be cropped with the pen.



### ③ Touch the end point of the rectangle (②) with the pen.

The specified area will be displayed by dashed lines.

**Note** • If you make a mistake, select [UNDO]. Repeat steps ② and ③.

### ④ Select [OK].

The specified area will be cropped and the display will return to the Edit mode.



## ■ Changing the Image Size

This function enables you to reduce the image size to 1/2, 1/3, 1/6 or 1/12. You can reduce the file size and cut down the transfer time to a PC.

### ① Select [CHANGE SIZE].



**2 Select the image size (1/2, 1/3, 1/6 or 1/12) and then select [OK].**

The image will be changed to the specified size and the display will return to the Edit mode.



**● Image size**

The information display when the DISPLAY button is pressed allows you to check the image size changed. The image size changed varies on the original size of the image.

Image size changed



**■ Rotating**

This function enables you to rotate a recorded file 90 degrees to the left or to the right on the display.

**1 Select [ROTATE R90 deg.] or [ROTATE L90 deg.].**



The file will be rotated at the specified angle.

Rotated 90 degrees clockwise



# Adding a Memo or Voice Memo to a File

You can add a memo or voice memo to a recorded file. There are three types of memo: keypad memo, voice memo and pen memo.


## 1 Switch to Edit mode and select [MEMO].

**See** • P.89 “Switching to Edit Memo”



The memo menu will be displayed.

- Adding a Keypad Memo → See below
- Adding a Voice Annotation → P.98
- Adding a Pen Memo → P.99

**Note** • To cancel operation and return to the Edit mode, select .



## ■ Adding a Keypad Memo

This function enables you to add a keypad memo to a file using the on-screen keypad. It is useful for entering titles, explanations and other comments.

### 1 Select [KEYPAD MEMO].



### 2 Select and enter the memo using the on-screen keypad.

You can input up to 40 letters.

**See** • P.35 “Using the On-screen Keypad”



### 3 Select [SAVE].

The input keypad memo will be saved and the display will return to the Edit mode.

**Note** • The file format for keypad memos is text (.TXT).

## ■ Adding a Voice Annotation

This function enables you to add an about 10-second voice memo to a still picture file or text file.

### 1 Select [VOICE ANNOTATION].




#### ● When a voice memo has already been recorded

If a voice memo has already been recorded for the selected file, a message will be displayed. If you wish to record over the top, select [OK] and record a voice memo. To cancel recording, select [CANCEL].



### 2 Press the shutter release button.

Recording will start. The "Recording" message will be displayed, and  on the LCD panel will flash and when recording or saving is finished, the display will return to the Edit mode.



**Note** • Press the shutter release button again to finish recording.  
• The file format for voice memo is WAV (.WAV).

## ■ Adding a Pen Memo

This function enables you to add a memo written in freehand to a recorded file. The memo can be saved by the following two methods.

Saving Method	Explanation
<b>Independent</b>	Only the pen memo is saved. The file format is TIFF (.TIF).
<b>Combined</b>	The pen memo is saved in combination with the image. The file format is the same as the original image.

**Note** • A pen memo added to a recorded file will be saved as a new file independent of a recorded file.

### ① Select one of the following: [PEN MEMO] or [PenMemo W/ Image].




### ② Write the memo freehand using the tool palette.

**See** • P.37 “Using the Tool Palette”

#### ● [PEN MEMO]



#### ● [PenMemo W/ Image]

 on the screen indicates the combined pen memo.



### ③ Select [SAVE].

The memo written by the method selected in step ① will be saved, and the display will return to the Edit mode.

**Note** • Pen memos cannot be edited.  
 • When you add a pen memo of the combined method to an image recorded in 2048 × 1536 size, the image will be saved in 1024 × 768 size.  
 • The combined pen memo may take several minutes to save according to the contents of the memo.

## Selecting a Folder

This function enables you to select the folder you wish to display images from when you switch to Play mode.

① Press the **MENU** button.

② Select **[FOLDER]**.



③ Select the folder to be displayed and then select **[OK]**.

The folder will be set and the display will return to the Play mode.



## Protecting a File

You can protect important files from being erased accidentally.

① Press the **MENU** button.

② Select **[PROTECT]**.



**3 Display the file you wish to protect and select [PROTECT].**


To continue protecting files, repeat the procedure.

**● Thumbnail Display**

Select the file you wish to protect with the stylus pen or ▲·▼ buttons and then select [PROTECT].



**4 Select [EXIT].**

The protect setting will be enabled and the display will return to the Edit mode. Protected files are indicated by a  symbol.

**● To Cancel the Protect Setting**

Select the protected file on the Protect Setting menu (step 3) and then select [UNPROTECT].



- Protected files will be deleted when the storage memory is formatted.

## Auto Playback

This function automatically plays all the files stored in the storage memory.



**1 Press the MENU button.**

**2 Select [AUTO PLAYBACK].**





### 3 Set the playback interval.

Specify the playback time per file in the range of 1 – 99 seconds.

**See** • P.34 “How to Use the Spin Box A screenshot of a camera's playback interval menu. The title is "Please choose playback interval". There are two main options: "INTERVAL" with a spin box set to "1:00" and a "LOCK" icon, and "LOOP PLAY" with radio buttons for "YES" and "NO", where "NO" is selected. At the bottom, there are "CANCEL" and "ENTER" buttons.

### 4 Select the loop play (YES or NO).

Specify whether you want the files to be played repeatedly.

**See** • P.33 “How to Use the Radio Button A screenshot of a camera's loop play menu. The title is "Please choose playback interval". There are two main options: "INTERVAL" with a spin box set to "1:00" and a "LOCK" icon, and "LOOP PLAY" with radio buttons for "YES" and "NO", where "NO" is selected. At the bottom, there are "CANCEL" and "ENTER" buttons.

### 5 Select [PLAY].



### 6 Select [OK].

Auto playback will start for the specified time. To cancel auto playback, press the CANCEL button.

#### ● To Pause and Resume Auto Playback

Press the shutter release button to pause auto playback and press the shutter release button again to resume playback.

#### ● To Advance and Rewind

To advance one frame, press the  button while auto playback is suspended, and to rewind one frame, press the  button.



- Note**
- The time required to recall a file is not included in the playback time.
  - Still picture and text files with a voice memo, motion picture files and voice memo files will be played for the time they were recorded, regardless of the preset playback time.





**2 Select [OK].**

The number of prints will be specified and the display will return to the Edit mode.


**■ Specifying the Number of Indexes**

All the images in the folder can be printed on a reduced scale. The index print feature is useful for checking the images in the folder and for specifying the number of prints.

**1 Select [DPOF MENU] on the DPOF setting menu.**




**2 Select [INDEX PRINTS].**

**Note** • To cancel the operation and return to the DPOF setting menu, select .



**3 Specify the number of indexes and select [OK].**

The display will return to the DPOF setting menu.

**See** • P.34 “How to Use the Spin Box 

**Note** • To cancel the settings, set the number of indexes to zero (0).



**4 Select [OK].**

The number of indexes will be set and the display will return to the Edit mode.


## ■ Canceling the DPOF Settings

This function enables you to cancel all the DPOF settings, including the number of prints and number of indexes.

- 1 Select [DPOF MENU] on the DPOF setting menu.



- 2 Select [CANCEL PRINT ORDER].

- Note** • To cancel the operation and return to the DPOF setting menu, select .



The confirmation message will be displayed.



- 3 Press the shutter release button.  
All the DPOF settings will be canceled and the display will return to the Edit mode.
- 4 Select [CANCEL] to exit the DPOF setting menu.

# Preparing and Playing a Presentation

The presentation function is for automatically playing several selected files at specified intervals.

## Preparing a New Presentation

This function enables you to prepare a new presentation. Select the files for automatic playback and set the order of playback.



### 1 Switch to Edit mode.

**See** • P.89 “Switching to Edit Mode”

### 2 Display the file to be used in the presentation and change to .

To continue selecting files, repeat step 2.

#### ● Thumbnail Display

Change  to  on the file to be used in the presentation. You can select more than one file.



### 3 Press the button.

### 4 Select [NEW PRESENTATION].




### 5 Select and enter the title of the presentation using the on-screen keypad.

### 6 Specify the playback time.

Specify the playback time per file in the range of 1 – 99 seconds.




- **See** • P.35 “Using the On-screen Keypad”
- P.34 “How to Use the Spin Box 

**7 Select [EDIT].**

**8 Edit the presentation.**

● **Adding a File**

You can add files to be used in the presentation.

Select  at [FOLDER] and select the folder in which to save the additional file from the list. Choose the file to be added from [FILE] displayed below and select [ADD].



● **Rearranging the Playback Sequence**

You can change the order in which the files will be automatically played.

Choose the file you want to rearrange from the list and select [ $\blacktriangle$  UP] or [DW  $\blacktriangledown$ ]. The selected file will move up or down accordingly.



● **Deleting a File**

You can delete files you do not wish to use. Choose the file you wish to delete from the list displayed above and select [DELETE].



**9 Select [OK].**

The presentation will be prepared and the presentation playback screen will be displayed.

Press [OK] to start presentation.

Press [CANCEL] to return to the menu screen.



- **Note** • You cannot specify a mixture of files from the CF card and PC card.
- If  is not changed to , the file currently displayed on the single image playback display or the selected file on the thumbnail playback display will become the target.
- You can download files prepared on PowerPoint, etc., from a PC and play them automatically on the camera. See “Using the Microsoft Power Point Presentation Data” in ‘Connecting to a Personal Computer’ operation manual.

## Playing a Presentation

This function enables you to execute a presentation and automatically play the recorded images.

### 1 Switch to Edit mode and press the button.


**See** • P.89 “Switching to Edit Mode”

### 2 Select [PRESENTATION].

### 3 Choose the presentation to be executed.

### 4 Select the loop presentation (YES or NO).

Specify whether you wish the images to be played repeatedly.

**See** • P.33 “How to Use the Radio Button ()”

### 5 Select [PLAY].

### 6 Select [OK].

The presentation will start.



To cancel automatic playback, press the CANCEL button.


#### ● To Pause and Resume Automatic Playback

Press the shutter release button to pause automatic playback and press the shutter release button again to resume playback.



### ● To Advance and Rewind

To advance one frame, press the  button while automatic playback is suspended, and to rewind one frame, press the  button.

 • The time required to recall a file is not included in the playback time.

## ■ Changing the Content of the Presentation

You can change the content of the presentation, such as adding or deleting files to be used, rearranging the order, etc.

### 1 Switch to Edit mode and press the button.

 • P.89 “Switching to Edit Mode”

### 2 Select [PRESENTATION].




### 3 Choose the presentation you wish to change.



### 4 Select [EDIT].

#### ● Changing the Presentation Name

Select  and change the name using the on-screen keypad.



## 5 Make the necessary changes to the presentation.

### ● Rearranging the Playback Sequence

You can change the order in which the files are automatically played.

Choose the file to be rearranged from the list and select [▲ UP] or [DW ▼]. The selected file will move up or down accordingly.



### ● Adding a File

You can add a file to be used in the presentation.

Select [FOLDER] and choose the folder in which to save the additional file from the list. Choose the file to be added from [FILE] displayed below and select [ADD].



### ● Deleting a File

You can delete files you do not wish to use.

Choose the file to be deleted from the list and select [DELETE].

## 6 Select [OK].

The presentation will be edited and the presentation playback screen will be displayed.

Press [OK] to start presentation.

Press [CANCEL] to cancel playback of the presentation. The screen will return to the menu screen.





# Deleting a Presentation

- 1 Switch to Edit mode and press the **J** button.

**See** • P.89 “Switching to Edit Mode”

- 2 Select [PRESENTATION].



- 3 Choose the presentation to be deleted and then select [DELETE].  
The confirmation message will be displayed.



- 4 Press the shutter release button.  
The selected presentation will be deleted.

**Note** • The registered files will not be deleted when the presentation is deleted.



# Deleting a File

This function enables you to delete recorded files. You can delete selected files or all the files in the folder.



- Files cannot be restored once they are deleted. Before starting to delete a file, make sure that you want to delete it.



- Depending on the capacity of the storage memory or the type of file, it may take a short time to delete a file.

## Deleting a Selected File

You can delete selected files.

### 1 Switch to Edit mode.

• P.89 “Switching to Edit Mode”

### 2 Display the file to be deleted and change to .

To select more files, repeat step 2.

#### ● Thumbnail Display

Change to on the file to be deleted.

You can select more than one file.

### 3 Select .

The confirmation message will be displayed.

### 4 Press the shutter release button.

The file will be deleted and the display will return to the Edit mode.



- Note**
- When a file is deleted, the subsequent file numbers are reassigned.
  - Protected files cannot be deleted until they are unprotected. → P.100 “Protecting a File”

## Deleting All Files

You can delete all the files in the folder.

- 1 Press the **MENU** button.
- 2 Select **[DELETE ALL IMAGES]**.  
The confirmation message will be displayed.



- 3 Press the **shutter release** button.  
All the files in the folder will be deleted and the display will return to the Edit mode.



- Note**
- Protected files cannot be deleted until they are unprotected. → P.100 “Protecting a File”



# Chapter 5

## Camera Settings and Other Functions

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# Changing Camera Settings

This section explains how to change the camera settings, including formatting (initializing) the storage memory (P.43), and setting the auto power off, beep sound and keep settings mode.

## Keep Settings

The keep settings mode enables you to save the settings after the camera is switched off. The following settings can be saved.

- Focus mode → P.70
- Flash strength → P.63
- Exposure compensation → P.64
- Soft mode → P.78
- Date imprint → P.71
- Display language → P.119
- Flash mode → P.62
- White balance → P.66
- ISO sensitivity → P.72
- Recording destination (PC card, CF card, internal memory) → P.50
- Guide List

- Note**
- The redeye reduction mode will be saved when the flash mode is saved.
  - The contents of the Image Capture Guide List will be saved when the Guide list mode is saved.

**1 Set the mode dial to [SETUP].**

**2 Choose [KEEP SETTINGS].**



**3 Select the condition for the items where you wish to keep the settings.**

**See** • P.33 “How to Use the Radio Button ( )”

**Note** • The condition for each item means as follows.  
ON: Keep setting enabled  
OFF: Keep setting disabled



**4 Select [OK].**

The display will return to the Setup menu.

## Beep Sound Setting

The camera beeps to alert you when it records a picture. You can enable and disable the beep by the following steps.

- 1 Set the mode dial to [SETUP].
- 2 Select [BEEP SOUND] and then select [OK].



- 3 Select [ON] or [OFF] and then select [OK].

Select [OFF] to disable the beep.



- Note** • The error beep is not disabled even when the beep sound is set on [OFF].

## Auto Power Off Setting

The camera will turn off automatically (auto power off) in the recording and play modes to conserve the battery if it is left idle (no buttons or switches operated) for a preset length of time. The time until the auto power off function is activated can be set from 0 – 60 minutes.

Setting	Explanation
<b>CAMERA POWER</b>	Sets the time until the camera turns off automatically if no operation is performed. The factory default setting is 5 minutes in recording and play modes.
<b>LCD MONITOR</b>	Sets the time until the LCD monitor turns off automatically if no operation is performed. The factory default setting is 2 minutes in recording and play modes.

① Set the mode dial to [SETUP].

② Select [AUTO POWER OFF].



③ Choose the auto power off setting (CAMERA POWER or LCD MONITOR).




④ Set the auto power off interval and select [OK].

⑤ Select [EXIT].

The screen will return to the Setup screen.



**See** • P.34 “How to Use the Spin Box 

**Note**

- If the auto power off function has been activated, perform the following procedure.  
If the camera is turned off automatically: switch the camera on again.  
If the LCD monitor is turned off automatically: press the DISPLAY button.
- If the auto power off function is activated and the camera is automatically turned off, the LCD monitor will also be turned off.
- When using the AC adapter, the auto power off function is disabled even if the auto power off mode is set to on.



## Changing the Display Language

The choice of language to display the information on the LCD monitor can be selected.

- 1 Set the mode dial to [SETUP].
- 2 Select [LANGUAGE].
- 3 Choose the language and select [OK].

The display will return to the Setup menu.



- Note**
- Only the selectable language will be displayed.
  - To save the language setting, enable the keep settings mode.  
→ P.116 “Keep Settings”

## Changing the Video-out Signal Method (NTSC/PAL)

If you wish to play recorded files on a TV when you are abroad, change the Video-out Signal Method according to the video system used in the country where you are.

- See**
- “Playback Using a TV” (P.88) for instructions on how to connect the camera to a TV
  - “Using This Camera Abroad” (P.135) for details of the TV systems

- 1 Set the mode dial to [SETUP].
- 2 Select [VIDEO OUT MODE].




**3 Choose the video out mode (NTSC or PAL) and then select [OK].**

The video out mode will be changed and the display will return to the Setup menu.



- Note** • The LCD monitor will appear blank if you connect the video interface cable to the camera when the video out mode is set to PAL.

## Changing the LCD Confirmation Time

When you press the shutter release button in  (Still Picture) mode, the image is displayed on the LCD monitor. You can select the time for confirming the image after shooting from 0 second, 1 second, 2 seconds and 3 seconds.


- 1 Set the mode dial to [SETUP].**
- 2 Select [LCD CONFIRMATION TIME].**





**3 Choose the confirmation time (0SEC, 1SEC, 2SEC or 3SEC) and then select [OK].**

The confirmation time will be changed and the display will return to the Setup menu.



- See** • P.33 "How to Use the Radio Button ()"

- Note** • If the confirmation time is set on 0 second, no image is displayed.  
• In  (Still Picture) mode with voice memo, when non-compressed (NC) mode has been set, and in  (Text) mode, the image will be displayed until recording is completed, regardless of the preset confirmation time.

# Adding or Deleting a Folder

This function enables you to add or delete a folder for saving recorded images.

① Set the mode dial to [SETUP].

② Select [FOLDERS].



③ Choose the storage memory in which the folder will be added or deleted (CF CARD, PC CARD or IN).

See “Adding a Folder” → See below

See “Deleting a Folder” → P.122



**See** • P.33 “How to Use the Radio Button ( )”

## ■ Adding a Folder

① Select [ADD].

A new folder will be added in the selected storage memory and assigned a consecutive number.

② Select [EXIT].

The display will return to the Setup menu.



- Note**
- Naming of the folder depends on the DCF (Digital rule for Camera File) System
  - Folders can be created from number 100 – 999.
  - You can specify the destination for saving the folder in Recording and Play modes. → P.51, P.100 “Selecting a Folder”

## ■ Deleting a Folder

- 1 Choose the folder to be deleted from the folder list and select [DELETE].

The confirmation message will be displayed.



- 2 Press the shutter release button.

The selected folder will be deleted.

- 3 Select [EXIT].

The screen will return to the Setup screen.



- All the images will be deleted when the folder is deleted.

## Turning the Camera On/Off When the LCD Monitor is Opened

This function enables you to set whether you wish the camera to turn on when the LCD monitor is opened.

- 1 Set the mode dial to [SETUP].
- 2 Select [OPTIONS].



- 3 Select [POWER ON BY LCD OPENING].



- 4 Choose the power setting (POWER ON or KEEP POWER OFF) and select [OK].

If you choose [POWER ON], the camera will turn on when the LCD monitor is opened.



- 5 Select [EXIT].

The screen will return to the Setup screen.

- Note** • When the battery is replaced for charging, etc., the power setting is reset to the factory default even when [POWER ON] is selected.

## Initializing the Settings

This function enables you to reset all the settings and return them to their factory default settings.



- Initializing all the settings will also erase the information and images in the internal memory.

- 1 Set the mode dial to [SETUP].

- 2 Select [OPTIONS].



**3** Select [INITIALIZE SETTINGS].



**4** Select [OK].



**5** Select [OK].

The confirmation message will be displayed.



**6** Press the shutter release button.

The camera settings will be reset and the camera will be turned off.



# Using the Remote Control

This section explains how to operate the camera using the DR-3 remote control unit (optional).



- The remote control receiver is located on the front of the camera. Operate the remote control unit by pointing it at the remote control receiver.



- For instructions on replacing the batteries and maintaining the remote control unit, refer to the accompanying manual.
- Some procedures differ when performed on the remote control unit and on the camera itself. Follow the instructions below to use the remote control unit.

## Shooting

The remote control unit can be used to operate the camera. It is particularly useful when the camera is set up at a remote position or is in a fixed position.

- 1 **Set the mode dial on the camera to a shooting mode (📷, 🎤, 📄, 📺 or 📹) and press the **CARD/IN** button to select the recording destination.**
- 2 **Decide the composition of the picture and press the **RELEASE** button on the remote control unit.**

- **In 📷 (Still Picture) mode**

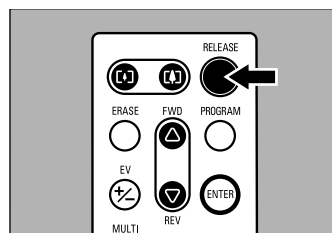
The self-timer LED will light and recording will start after about 2 seconds.

- **In 📄 (Text) mode**

Recording starts as soon as the **RELEASE** button is pressed.




- **In 📺 (Continuous Shooting) mode**

Pictures are taken continuously while the **RELEASE** button is pressed. When the button is released, shooting stops and the pictures are recorded.



● In  (Voice Memo) or  (Motion Picture) mode

Recording of the image and/or voice memo starts when the RELEASE button is pressed. Recording stops when the button is pressed again.

-  • You can change the size of the subject with the zoom button. Press  to make the subject larger, and press  to make the subject smaller.

### Setting the Exposure Compensation



- 1 Press the EV (+/-) button on the remote control unit.
- 2 Set the exposure compensation level using the FWD (Δ) or REV (▽) button and press the ENTER button on the remote control unit.  
Press the RELEASE button to take the picture.

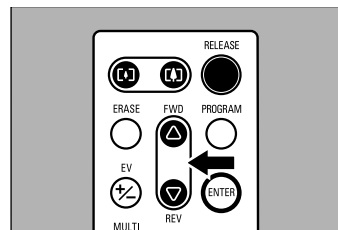
### Shooting in Manual Focus Mode

- 1 Press the PROGRAM button.  
The manual focus mode will be enabled.
  - 2 Adjust the focus using the FWD (Δ) or REV (▽) button.  
Press the RELEASE button to take the picture.
- To cancel the mode setting  
Press the PROGRAM button.

## Playback

You can use the remote control unit to playback recorded files.

- 1 Set the mode dial on the camera to  and press the  button to select the playback source.  
The most recently recorded file will be played back.
- 2 Choose a file by pressing the FWD (Δ) or REV (▽) button.  
The remote control unit buttons are operated in the same way as the buttons on the camera.





## Displaying Multiple Images (Thumbnail Playback)

- 1 Press the **ENTER** button to switch to the Edit mode.
- 2 Press the **MULTI** button.  
The thumbnail playback will be enabled.
- 3 Change the selected image using the **FWD** ( $\Delta$ ) or **REV** ( $\nabla$ ) button.
- 4 Press the **ENTER** button.  
The selected file will be displayed as a single image and the thumbnail playback will be canceled.

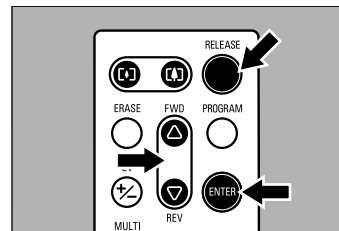
## Deleting

You can use the remote control unit to delete a recorded file.



- Files cannot be restored once they are deleted. Before starting to delete a file, make sure that you want to delete it.

- 1 Set the mode dial on the camera to **[▶]** and press the **CARD/IN** button to select the deleting destination.
- 2 Press the **ENTER** button.  
The screen will switch to the Edit mode.
- 3 Select a file to be deleted using the **FWD** ( $\Delta$ ) or **REV** ( $\nabla$ ) button, and press the **ERASE** button on the remote control unit.
- 4 Press the **RELEASE** button.  
The selected file will be deleted.





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# Appendix

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# Troubleshooting

















Refer to the pointers listed below before submitting the equipment for repairs. If the problem persists after trying the suggestions, contact your nearest Ricoh service office.

## ■ Power Source

Problem	Cause	Remedy	Page
Power will not come on	Battery not loaded or battery exhausted	Insert battery correctly or charge battery.	P.15 P.16
	AC adapter not properly connected	Connect correctly.	P.18
Power cuts out	No operation performed so auto power off function was activated	Switch camera on again.	P.24
	Battery exhausted	Charge battery.	P.15
Battery will not charge	Battery at end of service life	Replace with new battery.	P.16
Battery quickly consumed	Camera operated in extremely high or low temperature environment	—	—
	Camera operated in dark environment requiring frequent use of flash	—	—




## ■ Recording and Playback

Problem	Cause	Remedy	Page
Shutter release button pressed but no image recorded	Battery not loaded or battery exhausted	Insert battery correctly or charge battery.	P.15 P.16
	No power, or mode dial not set	Switch on and set mode dial to recording mode.	P.25
	Shutter release button not fully pressed (pressed halfway)	Press shutter release button all the way.	P.55
	CF card or PC card not formatted	Format card.	P.43
	No memory space on CF card or PC card	Delete unnecessary files or insert new card.	P.20 P.112
	No space in internal memory	Delete unnecessary files.	P.112
	CF card or PC card at end of service life	Insert new card.	P.20
	Self-timer on	Press  to disengage self-timer mode.	P.67
	Flash charging	Wait until flash LED stops blinking.	P.56
	CF card or PC card contact surface dirty	Clean with soft dry cloth.	—
Cannot confirm shot image	LCD confirmation time too short	Increase LCD confirmation time.	P.120
No image on LCD monitor	No power or LCD monitor is dark	Switch on and press DISPLAY button to display image on LCD monitor, or adjust monitor contrast using LCD contrast adjustment buttons.	P.28 P.49 P.87
	Video system is set on PAL and video cable is still plugged in.	Set video system to NTSC or disconnect video cable.	P.88 P.119

Problem	Cause	Remedy	Page
Autofocus is on but camera not focusing	Dirty lens or AF viewfinder	Clean lens or viewfinder.	–
	Subject not in center of shooting scope	Use focus lock.	P.57
	Subject difficult to focus on	Use focus lock or switch to manual focus.	P.57 P.69
	Distance to subject is too close	Set macro mode.	P.69
Flash will not fire or will not charge	Recording mode set on  (Voice Memo),  (Text),  (Continuous Shooting) or  (Motion Picture)	Set mode dial to  (Still Picture) or  (Text) mode.	P.49 P.58
	Flash mode set on  (flash off)	Press  button to cancel flash off mode.	P.62
	Camera set on macro mode	Press  button to cancel macro mode.	P.69
	White balance set to mode other than auto	Press WB button to switch white balance to auto mode.	P.66
	Battery exhausted	Charge battery.	P.15
Image dark even with flash	Distance to subject more than approx. 2.5 m	Move closer to subject.	P.62
Image is too bright	Subject is too close	Set flash to flash off mode.	P.62
	Overexposed	Adjust exposure compensation from recording menu. Set time exposure mode to OFF.	P.64 P.79
	Contrast setting not correctly adjusted	Press LCD contrast adjustment buttons to adjust contrast of LCD monitor.	P.28
Image is too dark	Shot in low light with flash set to  (flash off)	Press  button to cancel flash off mode.	P.62
	Underexposed	Press  button to adjust exposure compensation.	P.64
	Brightness setting not correctly adjusted	Press LCD Contrast Adjustment button to adjust contrast of LCD monitor.	P.28
Unnatural coloration of image	Shooting conditions difficult for auto white balance mode	Place a white object near subject, use flash, or select manual white balance mode.	P.66
Date and other recording data not displayed	Screen display set to [OFF]	Press DISPLAY button to switch display mode.	P.49 P.87
No playback or image will not appear	Camera not set to  (Play) mode	Set mode dial to  (Play).	P.84
	Incorrect playback source	Press  /  button to change playback source. Switch to another folder containing files.	P.84 P.100
	CF card or PC card not inserted, or inserted card does not contain any files	Insert card containing recorded images.	P.20
	Card not formatted with this camera	Use card that has been formatted and recorded with this camera.	P.43
	Card contains incorrectly recorded files	Insert card containing properly recorded images.	P.20
	Card contains files in format not supported by this camera	Check format type.	P.84
	AV interface cable not properly connected	Connect properly.	P.88
	Source of interference, such as electric motor, nearby	Move camera away from source of interference.	–
	CF card or PC card contact surface dirty	Clean with soft, dry cloth.	–
Playback is not clear	Error in internal memory of camera	Copy required files from internal memory onto CF card or PC card and format internal memory.	P.43 P.92
	Error in CF card or PC card	Test camera with another card. If second card displays well, problem is with card not camera. Do not use this card.	–

Problem	Cause	Remedy	Page
Display shut off	Battery is exhausted	Charge battery.	P.15
	Auto power off activated	Switch power on again.	P.24
Remote control unit (optional) will not work	Obstruction between remote control unit and camera sensor	Remove obstruction. * Sensor at left top of LCD monitor.	–
	Remote control transmitter or camera sensor is dirty	Clean.	–
	Remote control lithium battery is exhausted	Replace with new CR2032 lithium battery.	–
LCD monitor brightness changes during autofocus operation	Area captured by autofocus field and surrounding area have different light levels or location is dark	No malfunction.	–
Vertical lines appear on image	Phenomenon occurring with bright subject, known as smear phenomenon	No malfunction.	–

## ■ Miscellaneous

Problem	Cause	Remedy	Page
CF card or PC card will not go into slot	Card incorrectly oriented	Insert correctly.	P.20
Camera will not operate in response to buttons and switches	Battery exhausted	Charge battery.	P.15
	Camera malfunction	Switch off power, switch on again and set mode dial to  (Still Picture) or  (Text). If problem persists, reset. 1. Remove battery from camera, switch power on and reload battery. 2. Try operating again.	–
Date and time are wrong	Date/time setting is incorrect	Set correct date and time.	P.39
Date and time were set but disappeared	Battery removed	Date setting is reset if battery is removed for approx. 1 month. Set date again.	P.39
File will not erase, or CF card or PC card will not format	Erase menu not displayed	Set mode dial to  (Play) and switch to edit mode.	P.89 P.112
	File protected	Cancel protect setting.	P.100
Mode settings have changed	Keep settings mode not enabled	Enable keep settings mode.	P.116
Auto power off will not activate.	Auto power off setting is disabled	Enable setting.	P.117
	Camera powered by AC adapter (auto power off is automatically disabled when powered by AC adapter)	–	–
Beep will not sound	Beep disabled	Set beep sound to [ON].	P.117
No image on TV screen	Incorrect video-out signal method.	Select correct video-out signal method.	P.119
	Incorrect video I/O switch setting on video equipment	Check video I/O switch setting on video equipment.	–

# Error Messages

If an error message is displayed on the LCD monitor or LCD panel, follow the procedures below.

Error Message	Remedy
CARD ERROR	This type of card is not supported by the camera. Use another type of card.
Insufficient memory	Card memory or internal memory is full and no more files can be recorded. Erase unwanted files or use another card.
UNMATCHED FILE	Unplayable file was selected.
NO FILE	No recorded files in specified folder. Change folder or select storage memory that contains files.
No card	Card of selected type not found. Insert card.
Cannot open the file	Recorded file cannot be displayed. Return to previous screen and repeat operation. If file is still not displayed, switch power off and repeat operation.
Cannot open the file	Recorded file cannot be saved. Check available capacity of storage memory and repeat operation. If image still cannot be saved, switch power off and repeat operation.
On-screen keypad error	On-screen keypad cannot be displayed. Repeat operation. If keypad is still not displayed, switch power off and repeat operation.
Cannot reset the system	Switch off power again. If camera is still not reset, remove battery and switch power on, then reload battery and repeat operation.
Format failed	Repeat format operation again. If storage memory still cannot be formatted, problem lies with storage memory. Use another storage memory.
Failed to save Keypad memo	Failed to save keypad memo. Repeat operation.
Pen-memo Error: memory over Select ERASE ALL, SAVE or CANCEL	Erase or save all pen memos, or cancel pen memo operation.
Too many pen-memo data in memory	No more pen memos can be saved. Delete unwanted memos before saving.
File number exceeded limit	File number exceeded limit. Delete unnecessary files or use another memory card.
No file for DPOF setting	There is no image file for setting DPOF in folder. Select folder including image files.
Standard Print Number over Select image and set Standard Print Number to 0.	Number of specified images has exceeded limit. Reduce number of specified images.
DPOF file set error	DPOF settings cannot be saved. Delete all unnecessary files before repeating operation. If message still appears, memory may be damaged. Make a backup file of files saved in memory and format memory.
DPOF file read error	DPOF settings are unreadable. Reset all DPOF settings before repeating operation. If message still appears, memory may be damaged. Make a backup file of files saved in media and format memory.



- If the error message continues to be displayed after the above procedures have been followed, open the terminal cover and press the reset switch (P.6) with the tip of a propelling pencil or similar object. The settings will return to the factory default settings. If the error message is still displayed, contact the store where purchased or your nearest Ricoh service office.





# Using This Camera Abroad

## **Ricoh AC-3 AC adapter (optional)**

- The adapter can be used in regions where the voltage ranges from 100 V to 240 V and the frequency is 50Hz/60Hz.
- Some countries use electrical outlets which have different shapes. Inquire at your travel agent about the necessary plug adapter for the country of your destination before you leave.

## **Using a Local TV Receiver for Playing Pictures**

- You can play back images taken with this camera on a TV receiver (or monitor) equipped with a video input terminal. Use the AV interface cable supplied.
- This camera supports both NTSC and PAL television systems. Switch the camera's video system to meet the local environment. → P.119 "Changing the Video-out Signal Method"
- If you plan to take the camera abroad with you, check the local television system beforehand.

# Recording Capacities

The table below gives approximate recording picture counts by CF card or PC card capacity, image quality and size.

			16 MB	32 MB	48 MB	64 MB	96 MB	128 MB
Still picture (no. of images)	<b>2048</b>	<b>F</b>	13	26	40	53	80	107
		<b>N</b>	26	52	79	105	158	211
		<b>E</b>	51	102	153	205	307	411
		<b>NC</b>	2	5	7	10	15	20
	<b>1024</b>	<b>F</b>	38	77	116	156	234	312
		<b>N</b>	74	149	224	300	450	601
		<b>E</b>	138	278	417	557	835	1,117
		<b>NC</b>	9	19	29	39	59	78
	<b>640</b>	<b>F</b>	97	194	292	390	585	781
		<b>N</b>	161	324	487	650	975	1,303
		<b>E</b>	323	649	974	1,300	1,950	2,606
		<b>NC</b>	24	48	73	97	146	195
Text (no. of images)	<b>2048</b>	51	102	153	205	307	411	
	<b>1024</b>	138	278	417	557	835	1,117	
Motion picture (minutes)		1:20	2:42	4:03	5:24	8:07	10:50	
Voice memo (minutes)		33:06	66:29	99:46	133:10	199:40	266:50	

**Note** • Recording picture counts vary depending on the kind of CF cards, even when they have the same capacity.

\* Sizes (no. of pixels) are as follows:

**2048** : 2048 × 1536 pixels

**1024** : 1024 × 768 pixels

**640** : 640 × 480 pixels

\* Image qualities (compression rates) are as follows:

**F** : Fine

**N** : Normal

**E** : Economy

**NC** : Non-compressed

\* Units used in the table are as follows:

Still picture files and text files are shown in number of images.

Motion picture files are shown in number of minutes.

Voice memo files are shown in number of minutes.

# Accessories

Item	Model	Remarks
AC adapter	AC-3	Used to supply power directly from a household electrical outlet. → P.18 “Connecting an AC Adapter”
Lithium ion battery	DB-30	Battery for powering the camera.
Remote control unit	DR-3	For remote operation of the camera’s recording and playback functions.

- Note**
- If you require a stylus pen, battery charger or serial cable, contact your nearest Ricoh service office.
  - For Ricoh recommended products, see the separate list of Qualifies Products.

# Handling Precautions

- This camera is not waterproof. Keep away from water, rain, beverages, etc. If any liquid gets into the camera, consult your nearest Ricoh service center.
- Be careful not to drop the camera or subject it to impact.
- To avoid overheating, do not use the flash more than is necessary in continuous shots.
- Do not look through the viewfinder directly at the sun or intense light.
- Do not fire the flash close to a baby's eyes as this may cause impaired eyesight.
- Do not fire the flash at anyone driving a vehicle as this may cause a traffic accident.
- Exercise caution to prevent sand or dust from getting into the camera in environments such as beaches or work sites.
- Do not leave the camera for any length of time in particularly hot or humid places, such as in an automobile with the windows closed, at the beach or in a bathroom.
- Check that the camera is switched off before attaching the AC adapter (optional).
- The LCD monitor may contain some pixels that always or never illuminate, and the brightness of some areas of the monitor may appear uneven. These are typical LCD performance characteristics and do not constitute malfunctions.
- Do not apply unreasonable force to the EJECT lever cover, terminal cover or battery cover.
- Do not lift the camera by the LCD monitor, EJECT lever cover, terminal cover or battery cover.
- Do not apply unreasonable force to open or turn the LCD monitor.
- Be careful not to hit the lens unit or LCD monitor while carrying the camera. Keep the LCD monitor closed when carrying the camera.
- Extreme temperature differences may cause condensation to form inside the camera body and lens unit, reducing performance. To avoid this, place the camera in a plastic bag and let it slowly acclimatize to the new temperature before exposing it.

## Potential Causes of Condensation

- Suddenly transporting the camera from a cold to a warm place
- Storing or using the camera in places subject to high humidity
- Bringing the camera into a recently heated room or leaving it directly in the path of an air conditioner

# Care and Storage

## ■ Care

- Fingerprints or dirt on the lens or AF viewfinder will reduce the quality of the image, so take care not to get them dirty.
- Do not wipe dust or smears off the lens or AF viewfinder with your fingers. Use a lens blower, readily available at most photographic suppliers, to blow dust off, or a soft cloth and wipe lightly.
- Be sure to clean the lens after use at the beach or in the vicinity of chemicals.
- If the camera should malfunction, contact your nearest Ricoh service office. This product generates high voltages and disassembly is hazardous. Under no circumstances should you attempt to disassemble it yourself.
- Never use solvents, benzine, insecticides or other volatile substances on the equipment as this may cause deformation or flaking of the paint.
- Be careful not to let anything rub against the LCD monitor or LCD panel as they are easily scratched.
- To clean the LCD monitor or LCD panel, wipe gently with a soft cloth that has been moistened in diluted detergent and well wrung. Wipe off any moisture with a soft, dry cloth.

### CAUTION

- (1) Remove the battery or AC adapter before cleaning the camera.
- (2) Pay attention to the following points when cleaning the LCD panel.
  - The condensation may occur inside the touch screen due to the heat generated by the backlight of the LCD monitor, when you wipe the touch screen with the solvent. Do not forget to turn the power off before cleaning the camera.
  - When cleaning the camera, do not touch the edges of the LCD monitor. Otherwise the solvent can get into the camera resulting in the misoperation of the camera.

## ■ Storage

To prevent possible failures, avoid storing the camera in places that are:

- hot and damp, or subject to sharp temperature or humidity changes
- sandy or dusty
- subject to strong vibration
- in contact with chemicals, such as insecticides, or rubber or PVC products, for an extended period of time
- Near sources of strong electromagnetism (such as monitors and transformer magnets).

# Specifications

- **General**
- **Video Signal Protocol** : NTSC/PAL
- **Power Source Voltage** : Battery: 3.7 V  
: AC: 5 V
- **Dimensions (W × H × D)** : 157 × 93 × 33 mm (6.2" × 3.7" × 1.3") (excluding grips)
- **Weight** : Approx. 450 g (15.9 oz) (excluding battery)
- **Operating Range – Temperature** : 0°C to 40°C (32°F to 104°F)
- **Operating Range – Humidity** : 85 % or less
- **Storage Temperature Range** : -20°C ~ 60°C (-4°F to 140°F)
- **Camera**
- **CCD** : 3,340,000 pixels (effective: 3,240,000 pixels)
- **Lens** : Zoom lens F:2.6~3.4
  - **Focal length** : f:7.3 ~ 21.9 mm (equivalent to 35 ~ 105 mm in 35 mm format)
  - **Minimum shooting range** : Approx. 24 cm (9.4") (wide angle)
  - **Macro shooting range** : Approx. 1 ~ 24 cm (0.4" to 9.4")
- **Viewfinder**
  - **Type** : Real image
  - **Magnification** : Telephoto 0.81 ×, wide angle 0.3 ×
  - **Diopter adjustment** : Yes (-2 ~ +1 dpt)
- **Monitor**
  - **Display size** : 3.5"
  - **Display type** : Backlight low-temperature polysilicon TFT color LCD
  - **Diopter adjustment** : Approx. 200,000 pixels
- **White balance** : Auto/Preset (daylight, overcast, fluorescent light, tungsten light)
- **Exposure Compensation**
  - **Light metering system** : Centerweighted
  - **Exposure value memory system** : Auto backlighting correction  
: Manual compensation ±2.0 EV (in 0.5 EV increments)
  - **Metering** : TTL CCD method
  - **Flash automatic exposure** : Yes (daylight synchro)
  - **Shutter speed** : 8, 4, 2, 1, 1/4 ~ 1/1000 for still pictures
  - **ISO sensitivity** : AUTO (ISO 150), ISO 200, ISO 400
- **Distance Adjustment**
  - **Autofocus method** : Normal shooting: external passive CCD method;  
Macro: CCD method
  - **Autofocus range** : Normal shooting: approx. 24 cm (9.4") ~ infinity;  
Macro: about 1 ~ 24 cm (0.4" to 9.4")
- **Built-in Flash**
  - **Type** : Auto
  - **Range** : Approx. 0.6 ~ 2.5 m
  - **Modes** : Flash off/Forced flash/Auto /Slow synchro/Red-eye reduction

## ■ Image Data Recording and Playback

### ● Image Resolution

- Still picture : 2048 × 1536, 1024 × 768, 640 × 480 pixels
- Text : 2048 × 1536, 1024 × 768, 640 × 480 pixels
- Motion picture : 320 × 240 pixels

### ■ File Format

- Still picture : Compressed: JPEG (Exif2.1); No Compressed: TIFF
- Text : TIFF (G4 MMR system)
- Motion picture : AVI (Conforms to Open DML Motion JPEG format) 15 frames/second
- Voice memo : WAV (Exif2.1)

### ● Camera File System Standard

: DCF \* DCF stands for "Design rule for Camera File system" standardized by JEIDA

### ● Compression Format

: Conforms to JPEG baseline method

### ● File Sizes

- 2048 × 1536 : F mode: approx. 1.12 MB, N mode: approx. 568 KB, E mode: approx. 280 KB, NC mode: approx. 6 MB
- 1024 × 768 : F mode: approx. 376 KB, N mode: approx. 184 KB, E mode: approx. 88 KB, NC mode: approx. 1.5 MB
- 640 × 480 : F mode: 152 KB, N mode: 72 KB, E mode: approx. 40 KB, NC: approx. 640 KB

### ■ Input/Output Terminal

- Power input : 5 V (AC adapter)
- Video output : 1.0 Vp-p (75 Ω)
- RS-232C/AUX/USB : Exclusive

### ■ Body

- Tripod Screw Hole : Yes (1/4-20 UNC)  
: Length: less than 6.0 mm (0.24")

### ■ Power Supply

- Main Battery
  - Type : Rechargeable lithium ion battery
  - Voltage : 3.7 V (1 battery)

### ■ Keep Date Setting

: Approx. 1 month

### ■ Internal Memory

- Capacity : 8 MB (Maximum recordable area: 6 MB)

### ■ Compatible Memory Cards for Recording and Playback

- Type of Memory : CF card, PC card
- Operating voltage : 3.3 V

### ■ Communication, etc.

- Dial-up function : <protocol> PPP
- E-mail : <protocol> Internet mail (POP3/SMTP), <attachment> MIME
- Web browser (NetFront® 20) : <standards> HTML 3.2, SSL
- Fax Upload function : EIA Class 1, 2 (modem card dependent)
- Image editing functions : Cropping, Changing size, Rotating, Adding pen memo, Adding text memo, Adding voice annotation
- On-screen keypad : Alphabets (English, German, French), numbers and symbols

# About the Warranty and Servicing

1. This product is backed by a one-year limited warranty. During the warranty period, which starts from the date of purchase, any defective parts will be repaired free of charge. In the event of a camera malfunction, contact the dealer from which you purchased the camera or your nearest Ricoh service office. Please note that you will be not be reimbursed for the cost of bringing the camera to the Ricoh service office.
2. This warranty does not cover any damage resulting from:
  - ① failure to follow the instructions in the instruction manual;
  - ② repair, modification or overhaul not conducted by an authorized service center listed in the instruction manual;
  - ③ fire or natural disaster;
  - ④ improper storage, such as exposing the camera to high temperatures, humidity, or mothballs; storing it with a leaking battery; storing the camera in a dirty condition so that it becomes moldy; or otherwise insufficiently caring for the camera;
  - ⑤ Submergence; exposure to floods or spilled alcoholic or other beverages; allowing sand or mud to enter the camera; exposure to physical shocks; or dropping of the camera.
3. After a full year has passed from the purchase date, you will be liable for all repair fees, including those incurred at an authorized service center.
4. You will be liable for all repair fees, even within the warranty period, if the warranty card is not attached or if the distributor's name or the purchase date have been changed or are not indicated on the card.
5. Expenses for overhaul and thorough inspection by special request of the customer will be charged to the customer, whether or not they are incurred during the warranty period.
6. This warranty only applies to the camera and not to the accessories, such as the case and strap, nor does it apply to the battery and other consumables provided.
7. Any consequential damages arising from failure of the camera, such as expenses incurred in taking pictures or loss of expected profit, will not be reimbursed whether they occur during the warranty period or not.
8. The above provisions refer to repairs offered free of charge, and do not limit your legal rights. The intention of the above provisions is also described in the warranty card provided with this camera.
9. Parts essential to the servicing of the camera (that is, components required to maintain the functions and quality of the camera) will be available for a period of seven years after the camera is discontinued. However, as some parts are kept for a longer period, do not hesitate to contact your distributor or nearest Ricoh service office even after the seven-year period.
10. Please note that if the camera is seriously damaged by flooding, submergence, infiltration of sand or mud, violent shocks or dropping, the camera may not be repairable, and restoration to its original condition may be determined to be impossible.



**Note**

- Before sending the camera in for repair, check the battery and read the instruction manual again to ensure proper operation.
- Some repairs require a significant amount of time to be completed.
- When sending the camera to a service center, please include a note which describes the defective part and the problem as precisely as possible.
- Remove all accessories not related to the problem before sending the camera to the service center.
- Before taking any important pictures (such as at weddings, on trips abroad, etc.), test the camera to check operation and ensure proper functioning. We recommend that you keep this manual and spare battery on hand.

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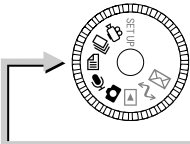
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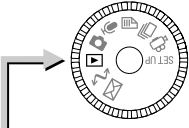
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## Recording Mode (📷, 🎤, 📄, 🖥️, 📹)

	<ul style="list-style-type: none"> <li>→ FOLDER</li> <li>→ VOICE MEMO</li> <li>→ FOCUS MODE</li> <li>→ DATE IMPRINT</li> <li>→ FLASH STRENGTH</li> </ul>	<ul style="list-style-type: none"> <li>Camera</li> <li>Camera</li> <li>Camera</li> <li>Camera</li> <li>Camera</li> </ul>	<ul style="list-style-type: none"> <li>P.51</li> <li>P.61</li> <li>P.70</li> <li>P.71</li> <li>P.63</li> </ul>
	<ul style="list-style-type: none"> <li>→ ISO SENSITIVITY</li> <li>→ AUTO BRACKET</li> <li>→ REDEYE REDUCTION</li> <li>→ NON-COMPRESSED MODE</li> <li>→ MONOCHROME MODE</li> </ul>	<ul style="list-style-type: none"> <li>Camera</li> <li>Camera</li> <li>Camera</li> <li>Camera</li> <li>Camera</li> </ul>	<ul style="list-style-type: none"> <li>P.72</li> <li>P.73</li> <li>P.74</li> <li>P.75</li> <li>P.76</li> </ul>
	<ul style="list-style-type: none"> <li>→ INTERVAL MODE</li> <li>→ SOFT MODE</li> <li>→ TIME EXPOSURE MODE</li> <li>→ SIGNATURE</li> </ul>	<ul style="list-style-type: none"> <li>Camera</li> <li>Camera</li> <li>Camera</li> <li>Camera</li> </ul>	<ul style="list-style-type: none"> <li>P.77</li> <li>P.78</li> <li>P.79</li> <li>P.80</li> </ul>
	<ul style="list-style-type: none"> <li>→ BRIGHTNESS CONTROL (only in Text mode)</li> </ul>	<ul style="list-style-type: none"> <li>Camera</li> </ul>	<ul style="list-style-type: none"> <li>P.81</li> </ul>

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## PC Mode (↔)

Connecting to a Personal Computer



## Communication Mode (✉)



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Declaration of Conformity

“The Product complies with the requirements of the EMC Directive 89/336/EEC.”



## INFORMATION TO THE USER

### USA FCC Part15 Class B

The 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. In this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment to outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help. (FCC 15.105B)

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment. (FCC 15.21) Properly shielded and grounded cables and connectors must be used for connection to a host computer in order to comply with FCC emission limits. (FCC 15.27) An AC adapter with a ferrite core must be used for RF interference suppression.

### COMPLIANCE INFORMATION STATEMENT

Product Name: IMAGE CAPTURING DEVICE

Model Number: RDC-i700

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.

RICOH CORPORATION

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### Note to Users in Canada

**Note:** This Class B digital apparatus complies with Canadian ICES-003

### Remarque Concernant les Utilisateurs au Canada

Avertissement: Cet appareil numérique de la classe B est conforme à la norme NMB-003 du Canada

IMPORTANT SAFETY INSTRUCTIONS-SAVE THESE INSTRUCTIONS DANGER-TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, CAREFULLY FOLLOW THESE INSTRUCTIONS.

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