
Chapter 1. Getting Started

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Before Using the Camera

Checking the Package Contents

Check that the following items were included in your package. Please read the warranty and keep it in a safe place.

- Digital camera 1
- Video interface cable 1
- Soft case 1
- AA alkaline batteries 4
- Date battery 1
- SmartMedia memory card 1
- Wrist strap 1
- Operation Manual (this guide) 1
- Warranty/Registration Card 1
- Utility software CD-Rom (DU-4) and PC connection cables 1

Note:
Some country may include other items—check the box for printed listing of contents.

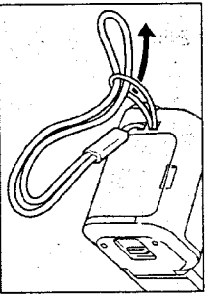
Attaching the Wrist Strap

Install the supplied wrist strap to prevent the camera from falling during use.

Tuck the small loop of the strap through the wrist strap eyelet and pass the other end through the loop as illustrated.

Important Note:

- Do not swing the camera around by its strap.



Powering the Camera

This section explains how to load the batteries (AA alkaline cells and date battery) into the camera and how to use the AC adapter to power the camera from a household electrical outlet.

Installing Batteries

Insert the supplied batteries (AA alkaline cells) to power the camera. When required, replace the batteries with cells similar to those supplied with the original package.

Note:
In place of alkaline batteries, you may also use generic rechargeable AA NiCad or NiMH batteries. If you select NiCad batteries, the high-capacity type are recommended.

Warning

- Follow these precautions to prevent the batteries from leaking, overheating, combusting or exploding.
- Do not use batteries other than those specifically recommended for the equipment.
- Do not stick the batteries in a fire, short-circuit the terminals, or attempt to disassemble, heat or recharge them. (Only nickel-cadmium (NiCad) or nickel-metal-hydride (NiMH) batteries are rechargeable.)
- Do not use a mix of battery types. Avoid mixing different styles or classifications, different batteries by the same manufacturer, or old batteries with new.
- Check that you install the batteries with the positive (+) and negative (-) terminals correctly oriented.
- Do not solder the batteries.



- Do not mix rechargeable battery types or use batteries with substantially different charge states.



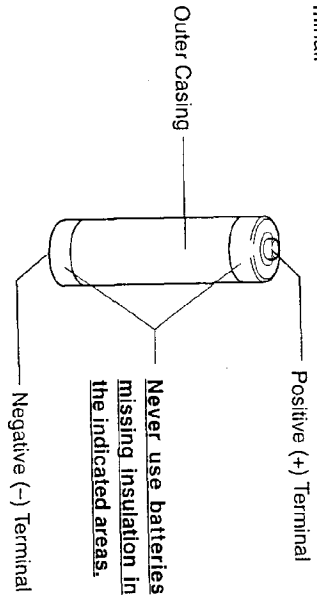
- Keep the batteries used in this equipment out of the reach of children to prevent the accidental ingestion of harmful substances. Consumption of battery substances is extremely harmful to human beings. If swallowed, seek immediate medical assistance.

Warning



Use of batteries in the following condition must be halted to avoid the potential for leaks, overheating, combustion, explosions and short circuits.

- Do not use batteries missing insulation around the negative (-) terminal.



- Do not use batteries with damaged or missing outer casings.

Caution



- Contact with fluid leaked from a battery can burn skin. Wash the area with water (only) immediately if part of your body contacts a damaged battery. (Do not use soap.) If a battery starts to leak, remove it immediately from the equipment and wipe the battery chamber thoroughly before you replace the battery with a new cell.

Rechargeable batteries

- Before using commercially available NiCad or NiMH batteries, read the safety precautions provided with each product thoroughly.

Important Note:

- Use only the specified AA-type batteries.
- Never use manganese batteries, lithium batteries or any other type of batteries that are not specifically recommended. Use of such batteries may damage the camera or LCD monitor.
- Some batteries may become hot after a long period of use. Remove the batteries after they have cooled off.
- Do not use batteries available in the market which are exclusively for a particular purpose (for example, those marked "CD player batteries") in this product.
- When purchasing batteries, carefully read the battery instructions and check that the batteries can be used for this product.

- To load the batteries, first check that the camera power is off. Push the button down and slide the battery cover forward before lifting it.

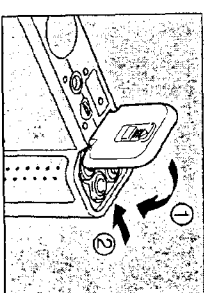
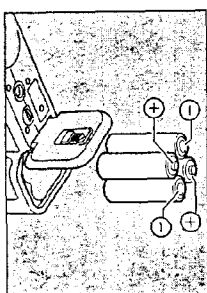
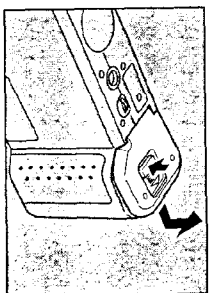
Note:
• See *Turning On the Power* (p. 41)

- Insert the batteries as shown.


Important Note:
• Check that you have installed the batteries with the positive (+) and negative (-) terminals correctly oriented.

- Close the battery cover.

- 1) Flip the cover down.
- 2) Slide the cover in the direction of the arrow.



Note:

- Flash usage and other operating conditions may cause the battery life to vary.
- Different types and brands of batteries may cause actual results to vary.
- Different types of SmartMedia memory card may cause actual results to vary.
- The selected P/C mode may cause actual results to vary.
- Carry spares when powering the camera solely by batteries.
- The low battery symbol [] indicates a low battery charge. Be prepared to insert replacements when this symbol displays. (Rechargeable AA NiCad and NiMH batteries tend to discharge completely almost immediately after the low battery symbol appears.)

■ Handling Precautions

Do not use damaged batteries or cells at the end of their service lives. Do not subject batteries to strong impacts.

Installing the Date Battery

The CR2025 lithium button battery is provided to power the camera's date and time functions. Insert the battery to operate the camera.

⚠ Warning

- Follow these precautions to prevent the batteries from leaking, overheating, combusting or exploding.
- Do not use batteries other than those specifically recommended for the equipment.
- Do not stick the batteries in a fire, short-circuit the terminals, or attempt to disassemble, heat or recharge them. (Only nickel-cadmium (NiCad) or nickel-hydrate (NiMH) batteries are rechargeable.)
- Check that you install the batteries with the positive (+) and negative (-) terminals correctly oriented.



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

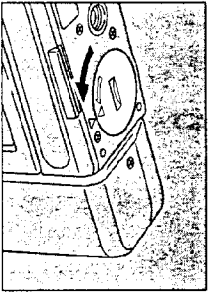
⚠ Caution



- Do not grasp batteries with metallic tweezers, which may form a short circuit and pose fire or electrical hazards.

■ Inserting the Date Battery

- 1 To insert the date battery, first check that the camera power is off. Screw off the battery cover on the camera's bottom in the direction shown in the diagram (counterclockwise) with a coin or similar object. Align the arrow (▲) and (▼) marks.



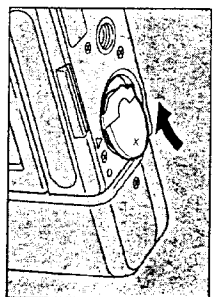
Note:
• See *Turning On the Power* (p. 41)

2 Remove the battery cover.

3 Seat the date battery with the positive (+) terminal facing upward.

Important Note:

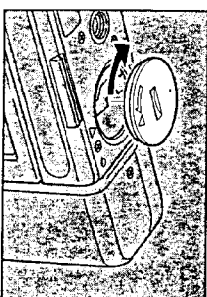
- Use only CR2025 lithium button batteries. Do not use batteries other than those recommended to power the date and time functions.
- Check that you have installed the battery with the positive (+) and negative (-) terminals correctly oriented.



4 Align the arrow on the battery cover with the arrow on the camera body and twist it closed in the direction shown (clockwise) with a coin or similar object.

Note:

- If the message "REPLACE DATE BATTERY" appears for approximately 2 seconds after the power is turned on, replace the date battery with a new cell.

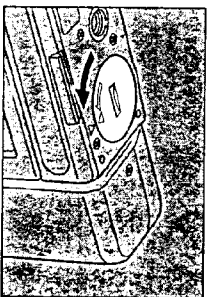


■ Removing the Date Battery

- 1 To remove the date battery, first check that the camera power is off. Screw off the battery cover on the camera's bottom in the direction shown in the diagram (counterclockwise) with a coin or similar object. Align the (▲) and (▼) arrow marks.

Note:

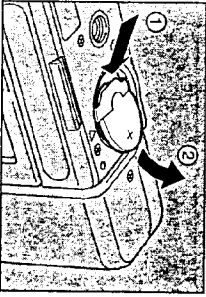
- See *Turning On the Power* (p. 41)



2 Remove the battery cover.

3 Remove the battery as shown in the diagram.

- 1) Dislodge the battery by pushing gently downward on one side.
- 2) Pluck the battery out with your fingertips.



■ Handling Precautions

- The CR2025 lithium button battery is used to power the camera's date and time functions. Battery life is approximately 8 months.
- To establish a good contact between the battery terminals and camera, thoroughly wipe the battery with a dry, clean cloth before installation.
- Dispose of spent batteries in accordance with local recycling and waste disposal ordinances.

Using an AC Power Source

Use of an AC adapter (optional) to power the camera is recommended if you intend to shoot or play images for extended periods of time.

⚠ Warning

- Wipe dust accumulation off the electrical plug, after removing it from the electrical outlet, to reduce the potential for fire.
- Use only the specified AC adapters for this equipment (AC-2, AC-2100 -sold separately) in household electrical outlets. Other adapters pose the risk of fire, electrical shock and injury.



- To avoid the risk of fire, electrical shock or injury, do not use the AC adapter with generic voltage transformers when travelling abroad.

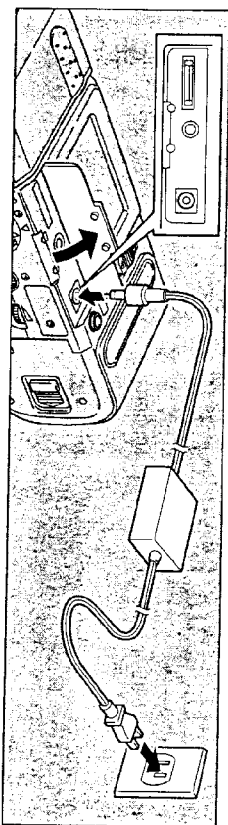
⚠ Caution



- Plug power cords securely into electrical outlets. Loose cords pose a fire hazard.

About the AC Adapter

Be sure to read the safety precautions in the manual supplied with the AC adapter.



1 Check that the camera power is off. Open the terminal cover.

- See *Turning On the Power* (p. 41)

2 Connect the AC adapter cord to the camera's power supply terminal (DC Input).

3 Plug the other end of the AC adapter cord into the electrical outlet.

Note:

- If batteries are installed in the camera while connected to an AC power source, the camera draws from the AC source not the batteries.

Important Note:

- Check that the AC adapter is firmly attached at both ends. If a plug or cord detaches during recording, data may be lost or damaged.
- Connecting or disconnecting an AC adapter while operating the camera (recording, playback or erasing) will cause the camera to automatically power down to determine the power source. This may damage the data. Therefore, you must turn the camera off before connecting or disconnecting the AC adapter.
- When utilizing a tripod and an AC adapter, open the terminal cover before mounting the camera.

SmartMedia Memory Cards

This section explains the types and applications of SmartMedia memory cards suited to your camera.

What is a SmartMedia Memory Card?

Image and sound files captured by your camera are recorded as data on the SmartMedia memory card installed in the camera. Your camera can utilize the following types of SmartMedia memory cards:

- Capacity: 2 MB, 4 MB, 8 MB or 16MB
- Operating Voltage: 3.3 V

Note:

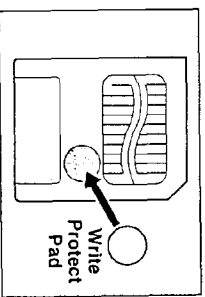
- There are numerous types of SmartMedia memory cards available. Always check the product for this application with the manufacturer before using a generic product.
- SmartMedia memory cards fitted with separately sold PC card adapters or floppy disk adapters can be inserted directly into a computer's PC card slot or floppy disk drive for faster data transfer.
- Model FS-16 SmartMedia memory cards cannot be used in Ricoh RDC-300Z and RDC-4300 digital cameras and FS-A53 PC card adapters.

Preventing Recording Errors

Placing a write protect pad on a SmartMedia memory card will prevent accidental erasure of recorded files. Neither recording or erasing operations can be performed with the write protect pad in place. To record or erase a file, remove the write protect pad.

Note:

- If a write protect pad should become dirty, wipe it clean with a soft, dry cloth.



Handling Precautions

SmartMedia Memory Cards

- Never remove a SmartMedia memory card while the camera is in operation.
- Do not bend, apply strong force or shock or drop a SmartMedia memory card.
- Avoid using and storing SmartMedia memory cards in environments subject to static electricity or electric noise.
- Avoid using and storing SmartMedia memory cards in environments subject to high temperature and humidity, dust or corrosive air.
- Prevent dirt and foreign matter from coating the SmartMedia memory card's contacts. Wipe the contacts clean with a soft, dry cloth if required.
- Prevent dirt and foreign matter from entering the SmartMedia memory card slot in the camera.

- Do not place SmartMedia memory cards close to heat or open flame.
- SmartMedia memory cards have limited service lives. A card that has exceeded its service life may not record new files.

Data

- Data may be lost through the mistaken operation of the camera by the owner or a third party, through the exposure of the SmartMedia memory card to static electricity or electric noise, or during a malfunction or repair. Please note that Ricoh Co., Ltd., assumes no responsibility for damages arising from the loss or corruption of data due to any cause.
- Do not remove batteries, slide the power off, or connect or disconnect an AC adapter while a SmartMedia memory card is recording files. These actions could result in the loss or corruption of data.
- Backing up important data on other media, such as floppy or hard disks, is highly recommended.

Inserting a SmartMedia Memory Card

Check that the camera power is off. Insert the SmartMedia memory card as directed.

Important Note:

- Never insert or remove a SmartMedia memory card with the camera power on.

Procedures

- 1 Check that the camera power is off. Open the card door.

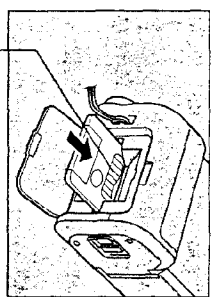
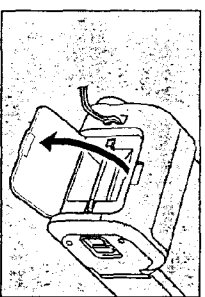
Note:

- See *Turning On the Power* (p. 41)

- 2 Orient the card with the contacts facing up (toward the camera's front) and insert the SmartMedia memory card all the way into the slot. Close the door.

Note:

- Verify that the SmartMedia memory card is facing the correct way before insertion. Do not insert it at an angle.
- If a SmartMedia memory card is not in the camera at startup, the [INSERT CARD] message will display.
- The camera will not power on with the card cover open.



■ Removing a SmartMedia Memory Card

- 1 Check that the camera power is off. Open the card door.

Note:

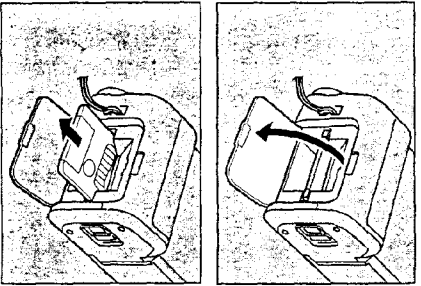
- See *Turning On the Power* (p. 41)

- 2 Gently pull the SmartMedia memory card straight out of the slot.

- 3 Close the door.

Important Note:

- Never remove a SmartMedia memory card during a camera operation, such as recording or erasing.
- After removing the card, place it in an antistatic case or other protective container.



■ Formatting a SmartMedia Memory Card

A SmartMedia memory card must be formatted (initialized) by the camera if it is new or formatted by another device, such as a computer.

Important Note:

- Please note that formatting a SmartMedia memory card completely deletes the existing data recorded on the card, including protected files.
- Do not use a computer to format (initialize) SmartMedia memory cards for the camera.

■ Procedures

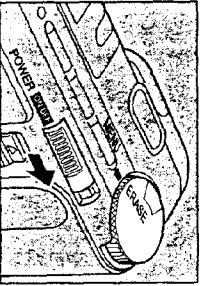
- 1 Insert the SmartMedia memory card into the camera.

Note:

- See *Inserting a SmartMedia Memory Card* (p. 31)

- 2 Slide the power on.

- 3 Turn the mode dial to [Erase].
The erase menu will display.



- 4 Slide the zoom button to select the [Format] option and press the enter button.

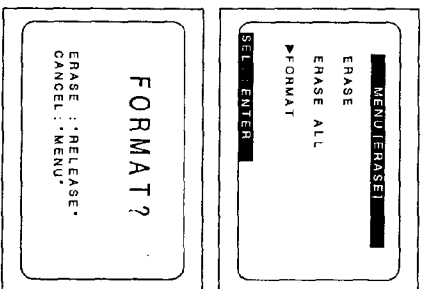
- 5 Press the shutter release button.

The [Formatting] message will display while the card is initialized.

The erase menu will reappear once formatting is completed. You may now turn the mode dial to another position to proceed to other operations if desired.

Note:

- A SmartMedia memory card with a write protect pad in place cannot be formatted. To format a card, first remove the write protect pad.



Before You Start Recording

This section explains the initial camera adjustments and pointers you should know before starting to record pictures.

Setting the Date and Time

The date and time are recorded when you shoot a picture. You will need to adjust these settings when you first use the camera and each time you change time zones on trips.

Note:

- Use the *yy/mm/dd* format to set the date.
- Time is displayed in the 24-hour clock format. Midnight is expressed as 00:00 and noon as 12:00.

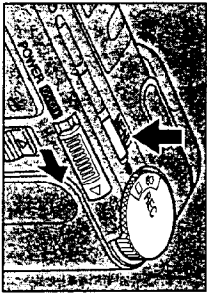
Procedures

- 1 Slide the power on.
- 2 Turn the mode dial to one of the [REC] options and press the menu button. The record menu will display.

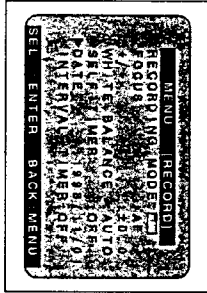
Note:

- To exit the operation at any time, press the menu button a second time.

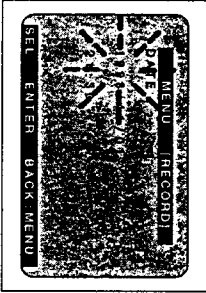
- 3 Slide the zoom button to select the [Date] option and press the enter button.



- 4 Slide the zoom button to change the value of the flashing field.



- 5 Advancing a Number
Slide the zoom button toward the [▲]/FWD mark. Hold the zoom button up to scroll rapidly.



- 6 Reversing a Number
Slide the zoom button toward the [▼]/REV mark. Hold the zoom button down to scroll rapidly.

- 5 Press the enter button to accept the change and move to the next field.

Repeat steps 4 and 5 on the remaining fields as required.

Note:

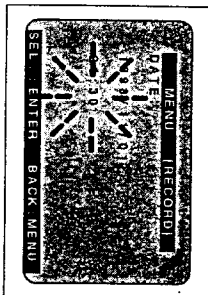
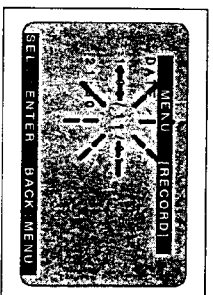
- The next field will automatically begin flashing after you press the enter button.

- 6 After setting the value for the minute field, press the enter button a second time to conclude.

The clock will commence operating and the LCD monitor will show the record menu. Press the menu button to clear the record menu.

Note:

- Pressing the menu button before all the fields are set cancels the settings.

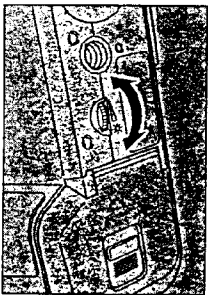


Tip: Checking the Date and Time Setting
You can check the current date and time setting on the LCD monitor by pressing the enter button. See Display Settings on the LCD Monitor (p.48).

Adjusting the LCD Monitor Brightness

You can adjust the brightness setting of the LCD monitor.

- 1 Turn the brightness adjustment dial on the bottom of the camera, left or right to adjust the LCD monitor brightness to a favorable setting for viewing.
Turn the dial right to brighten and left to darken.



How to Hold the Camera

Unintentional movement of the camera during shooting will result in blurred images. To avoid camera shake, hold the camera in the fashion prescribed below. Be particularly careful to avoid camera shake with telephoto zoom shots.

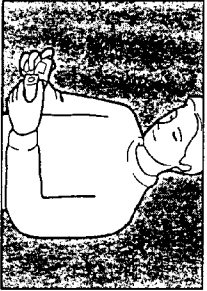
■ Procedures

- 1 Hold the camera firmly in both hands with your elbows resting lightly against your body. Rotate the lens unit as appropriate and aim the camera at your subject, watching the LCD monitor to compose your picture.

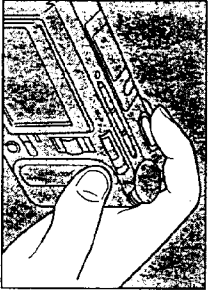
- Holding the Camera at Eye Level



- Holding the Camera at Waist Level



- 2 Rest your fingertip lightly on the shutter release button.



Important Note:

- Keep your fingertip on the shutter release button. Removing it and then trying to press it in one step may result in camera shake when you take a picture.

Note:

- A shot taken with the camera held vertically will display on the LCD monitor sideways when replayed.

The lens unit can be rotated as illustrated. Freely choose the angle at which to take a picture.

Lens Unit Rotational Arc
 Forward 100°
 Backward 90°

- #### Important Note:
- Do not force the lens unit. Rotate it gently.

Avoid placing your fingers on, or dangling the strap in front of, the lens, flash and flash sensor reception window.

