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## Chapter 1. Getting Started

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## Before Using the Camera

### Checking the Package Contents

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

• Digital camera	1
• AV 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
• Core	1

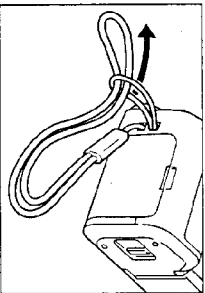
### Attaching the Wrist Strap

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 cells. If you select NiCad cells, the high-capacity type are recommended.

#### Warning



- Observe the following precautions to prevent the batteries from leaking, exploding, catching fire or breaking.
- Never use any type of batteries that are not specifically recommended for use with this camera.
- Never dispose of the batteries in a fire, short-circuit the terminals, attempt to disassemble, heat, or recharge the batteries. (Only NiCad or nickel-metal-hydride (NiMH) batteries can be recharged.) Doing so may damage the batteries and cause a fire, injury or environmental contamination.
- Do not use batteries incorrectly, such as batteries of a different type or name, batteries of a different manufacturer, or old batteries mixed with new batteries.
- Be sure to maintain the correct polarity (positive [+] and negative [-] poles) when inserting the batteries.
- Do not solder the batteries. This may damage the batteries and cause a fire, injury or environmental contamination.



- When using rechargeable batteries, do not mix them with other types of batteries or batteries in another charged condition.



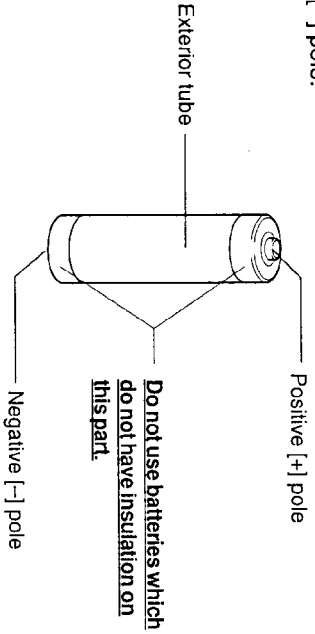
- Be especially careful to store the batteries used in this product in a location which is not accessible to infants or children, to prevent the batteries from being swallowed accidentally. Contact a doctor immediately if the batteries are swallowed accidentally. This may result in severe personal injury.

### Warning



Do not use batteries which are in the following conditions as this may lead to leaking, heat generation, fires, explosions or short circuits.

- Do not use batteries which do not have insulation around the negative [-] pole.



- Do not use batteries of which the exterior tube is either broken or peeling off.

### Caution



- Fluid leaking from a battery can cause skin burns. If you touch a damaged battery, wash your hands with water immediately (do not use soap).

If fluid leaks from the batteries, wipe off the fluid and replace the batteries with new batteries.

### 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 confirm 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)

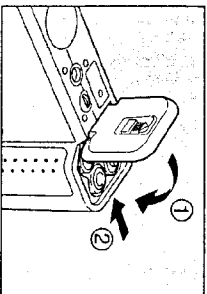
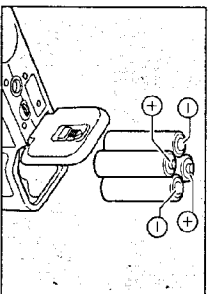
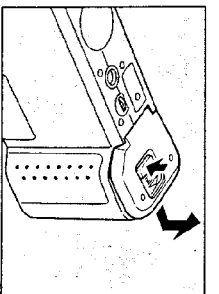
- Insert the batteries as shown.

### Important Note:

- Confirm that you install the batteries with the positive (+) and negative (-) terminals correctly oriented.

- Close the battery cover.

- Flip the cover down.
- Slide the cover in the direction of the arrow.





### Shooting and Playback Capacities

The table below shows the approximate number of recordable images or potential playback time in minutes for the camera powered by AA alkaline batteries, assuming an ambient temperature between 10 and 30 degrees Celsius (50-86°F). (Results Based on Ficon Testing Standards)

Battery Type	Estimated Number of Recordable Images	Estimated Playback Time (Minutes)
AA Alkaline Cells	120	90

- Flash usage and other operating conditions may cause the battery life to vary from the above values.
- Different types and brands of batteries may cause actual results to vary from the above values.
- Different types of SmartMedia memory card may cause actual results to vary from the above values.
- The selected PiC mode may cause actual results to vary from the above values.

### Note:

Carry spares when powering the camera solely by batteries. Be prepared to insert replacements when this symbol [  ] indicates a low battery charge. 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

- Observe the following precautions to prevent the batteries from leaking, exploding, catching fire or breaking.
- Never use any type of batteries that are not specifically recommended for use with this camera.
- Never dispose of the batteries in a fire, short-circuit the terminals, attempt to disassemble, heat, or recharge the batteries. (Only NiCad or nickel-metal-hydrate (NiMH) batteries can be recharged.) Doing so may damage the batteries and cause a fire, injury or environmental contamination.
- Be sure to maintain the correct polarity (positive [+] and negative [-] poles) when inserting the batteries.



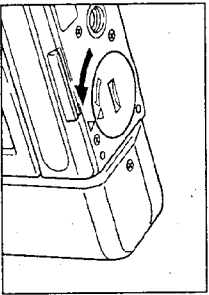
- Be especially careful to store the batteries used in this product in a location which is not accessible to infants or children, to prevent the batteries from being swallowed accidentally. Contact a doctor immediately if the batteries are swallowed accidentally. This may result in severe personal injury.

### ⚠ Caution

- To prevent fire and shock, do not use metal objects such as a tweezers to grasp the batteries. This may cause a short-circuit.

## ■ Inserting the Date Battery

- 1 To insert the date battery, first confirm 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.



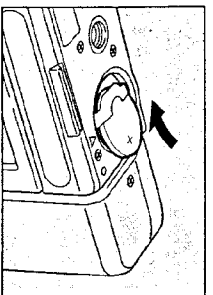
Note:  
• See *Turning On the Power* (p. 41)

## 2 Remove the battery cover.

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

### Important Note:

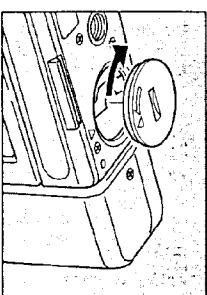
- Use only CR2025 lithium button batteries. Do not use batteries other than those recommended to power the date and time functions.
- Confirm that you install the battery with the positive (+) and negative (-) terminals correctly oriented.



- 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.

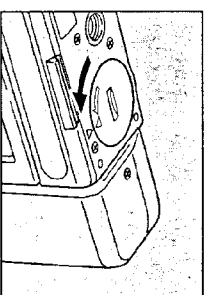
### Note:

- 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

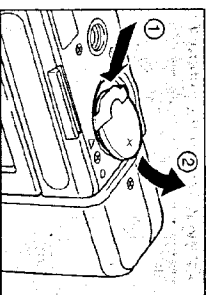
- 1 To remove the date battery, first confirm that the camera power is off. Screw off the battery cover on the camera's bottom in the direction shown in the diagram (counterclockwise) with a coin or similar object. Align the (▲) and (▼) arrow marks.



- 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

- When dust accumulates on the electrical plug, wipe it off thoroughly. The dust may cause a fire.
- When using a household electrical outlet, always use the special AC adapter (product name: AC-2, AC-2100 (110V area only), optional). If a non-recommended AC adapter is used, this may cause fire, shock or other damage.



- During travel to foreign countries, do not connect the AC adapter to an electrical voltage transformer. This may cause fire, shock or other damage.

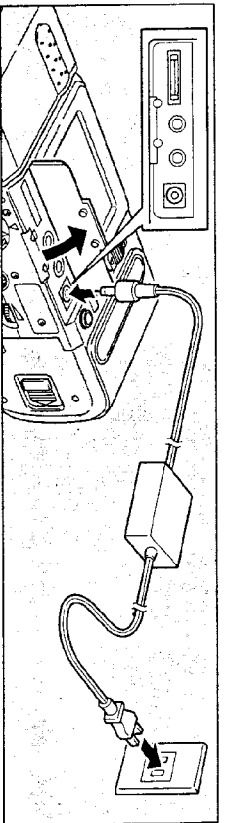
### ⚠ Caution

- Make sure that the electrical plug is plugged securely into the wall.



### About the AC Adapter

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



- 1 Confirm that the camera power is off. Open the terminal cover.

#### Note:

- 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:

- Confirm 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 or 8 MB
- Operating Voltage: 3.3 V or 5 V

**Note:**

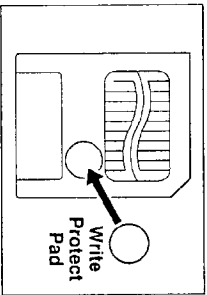
- There are numerous types of SmartMedia memory cards available. Always confirm the appropriateness of the product for this application with the manufacturer before using a generic product.
- SmartMedia memory cards fitted with separately sold PC card adapters or floppy disk adapters can be inserted directly into a computer's PC card slot or floppy disk drive for faster data transfer.

## 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 during a camera operation, such as recording or erasing.
- Do not bend, apply strong force or shocks to, 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. There is significant danger.
- SmartMedia memory cards have finite 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

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

**Important Note:**

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

### Procedures

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

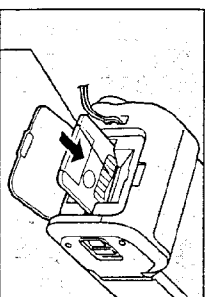
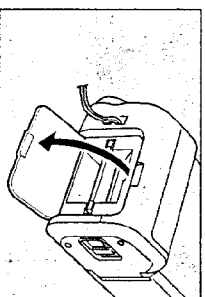
**Note:**

- 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.



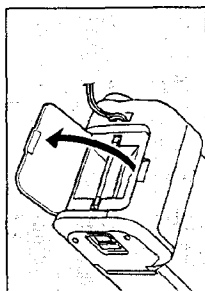
## ■ Removing a SmartMedia Memory Card

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

Note:

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

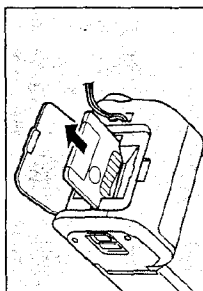
- 2 Gently pull the SmartMedia memory card straight out of the slot.



- 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

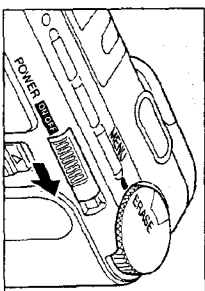
- 1 Insert the SmartMedia memory card into the camera.

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.

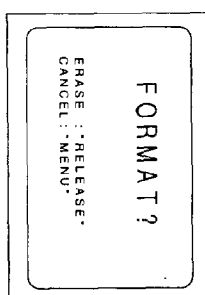
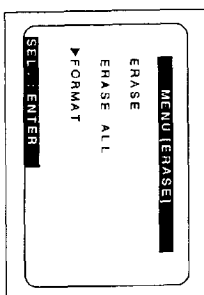
- 5 Press the shutter release button.

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

The erase menu will reappear once formatting ceases. 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.



## Using a Generic Earphone

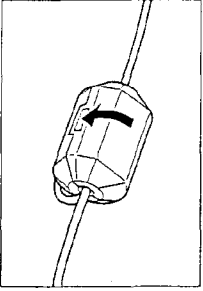
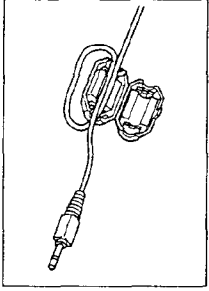
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To listen to sound files replayed on your camera, a regular earphone (3.5 millimeter diameter / monoaural) is required. Operating the camera near a TV or radio may interfere with signal reception by these devices. Please take the following steps to reduce electrical interference.

### ■ Procedures

Attach the provided core to the earphone cord.

- 1 Open the core. Take a section of the earphone cord close to the plug and loop it through the core. Ensure that the cord is well seated so that it will not be pinched by the cord.



- 2 Close the core.