

### **Operation Manual**

handy for future reference. using your digital camera to understand Read this manual carefully before its proper use. Please keep the manual

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L208-3107

RICOH CO., LTD.
Ohmori NM Building
1-1 Ohmori-Kita 2-chome
Ota-ku, Tokyo
143-0016 Japan

#### Introduction

Thank you for purchasing a Ricoh digital camera. This manual explains the correct handling procedures and precautions for your camera. Please read it thoroughly before using the camera to obtain a good understanding of the equipment and its functions. Keep the manual handy for future reference.

Ricoh Co., Ltd

#### Test Shots

Check that your camera is recording pictures correctly by taking several test shots.

### Copyright Compliance

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#### **Exclusion of Liability**

The manufacturer is not responsible for the loss of data, or the failure to record such data, arising from a malfunction of the equipment.

#### Warranty Terms

This product is made to local specifications and all warranty claims are honored in the country of purchase. Should the product malfunction while you are abroad, the manufacturer is not responsible for the cost or availability of service in countries not covered by the warranty.

## Radio-Frequency Interference

Operating this product in the direct vicinity of other electronic devices may inhibit the performance of both devices. In particular, operating the product close to televisions, radios and similar devices may lead to static interference. If interference occurs, follow the procedures below.

- Move the product 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 or circuits.

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## Camera Features

#### Simple Operation

With this camera, taking a picture is as easy as viewing the composition in the LCD monitor and pressing the shutter release button. The photographed image will record on the SmartMedia memory card.

### Immediate Confirmation

The camera allows you to check an image file immediately after recording simply by switching to replay mode. Moreover, it can display single images in magnified form (zoom playback) or a set of nine images.

### 190° Rotating Lens and Flash

The 190° rotating lens unit and flash (front 100°) allow you to freely select a convenient angle for each shot without craning your neck.

## Switches between Quality/Capacity Modes at Any Time

The RDC-4200 adapts to your changing requirements, readily switching between the super-fine SF mode for top-quality imaging or the economic E mode for more recording capacity.

#### Flexible Zoom Lens

The 3X optical zoom lens lets you compose a wide range of pictures, from close-ups to scenery shots, without moving your position.

#### Natural Color Images

The white balance function assists in capturing a subject in its natural colors regardless of the light source, indoors or out.

#### Close-Up Shots

In macro mode - particularly suited for flower and insect close-ups - the camera takes detailed shots as close as 8 centimeters (3.2 inches)\* from the subject.

\*The mode dial must be set to the macro mode [ \* REC ].

## Shows Your Images on a TV Screen as well

With the video interface cable provided, the camera can screen your picture files on a TV screen. In addition, you can connect to a video deck or video printer to dub images on videotapes or to make full-color prints.

## Compact for Easy Portability

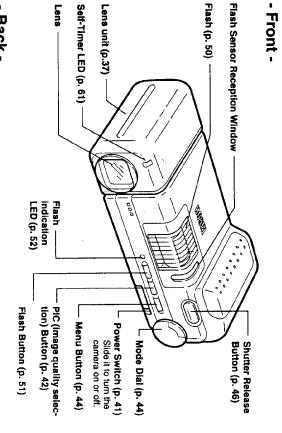
The camera's lightweight, compact construction makes it easy to take just about anywhere. In its hard case (optional), your camera can safely accompany you on all your travels abroad or at home.

## Interchanges Data with Computers

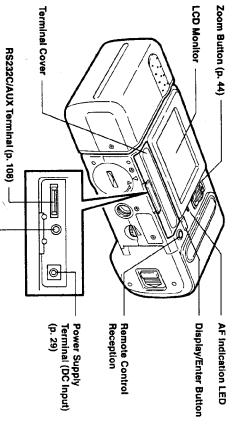
The software bundled with the camera marries the power of computers with digital photography, simplifying the transfer of picture data. Load images onto a computer to output with a color printer or color copier.

#### **Part Names**

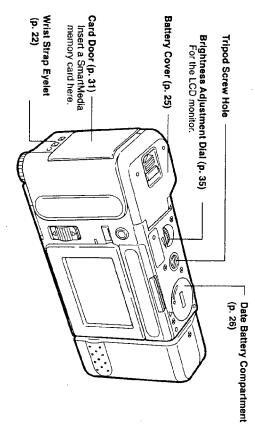
#### ■ Camera Body



#### - Back -



#### - Bottom -

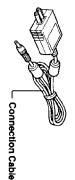


## ■ AC Adapters (optional)

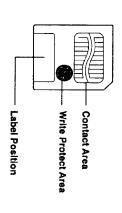
• AC-2 (100V-240V)



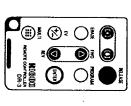
• AC-2100 (100V)



#### SmartMedia Memory Card



### ■ Remote Control (optional)



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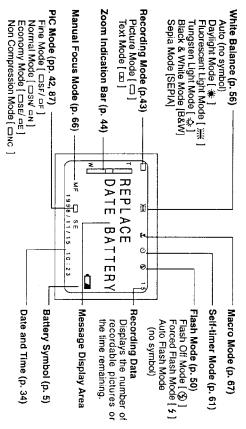
Contract of the second

Video Output Terminal (p. 71)

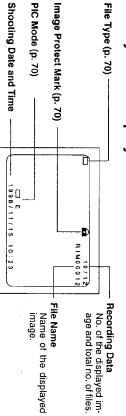
# Explanation of LCD Monitor Displays

the battery charge, number of recordable pictures and mode settings The LCD monitor displays symbols and figures revealing the camera's status, such as

## ■ Recording Mode Displays



### ■ Play Mode Displays



#### Note:

- For illustration purposes, all the symbol categories are simultaneously shown above. During actual camera operations, only relevant symbols display.
- on to resume use. The camera will automatically power down (auto power off) to conserve the battery if left untouched (no buttons or switches manipulated) for approximately 5 minutes. Slide the power switch
- You can disable the auto power off function (p. 85).

  The auto power off function is automatically disabled while the camera is powered by an AC adapter.

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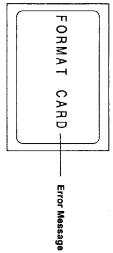
### Warning Codes

If warning codes appear on the camera's LCD monitor, respond as directed below

p. 31	No playable files detected. Insert a SmartMedia memory card on which files are recorded.	Flashing	NO IMAGE
p. 31	No more files can be recorded. Insert a fresh SmartMedia memory card to begin recording.	Flashing	FILE NUMBER OVER
p. 72	You attempted to play an unplayable file.	Flashing	UNMATCHED FILE
p. 77	You attempted to erase a protected file. Change the protection setting before erasing the file.	Flashing	PROTECTED FILE. UNABLE TO ERASE.
р. 30	Write-protected SmartMedia memory card detected at startup. To record or erase images, remove the write protect pad before use.	Flashing	WRITE PROTECTED
p. 31	No SmartMedia memory card detected at startup.	Flashing	INSERT CARD
p. 26	Indicates low or missing date battery it message displays for approximately 2 seconds at startup. Replace or install the date battery.	Flashing	REPLACE DATE BATTERY
p. 23	Indicates low battery. Keep replacement batteries handy.	Steady	٥
Ratereno Page	Greenwood Repairs		(Minimo) (John Jano)

### Error Messages

If error messages appear on the camera's LCD monitor, respond as directed below.



p. 31 p. 41	Error reading data from SmartMedia memory card. Restart camera or remove and reinsert the SmartMedia memory card.	CARD ERROR
p. 41	Data transmission failed. Restart or reset carmera.*	UNABLE TO TRANSMIT
p. 41	Playback failed. Restart or reset camera.*	UNABLE TO PLAYBACK
p. 32	Write-protected SmartMedia memory card detected at startup. To record or erase images, remove the write protect pad before use.	UNABLE TO FORMAT
p. 41, 79	Erase failed. Restart camera and take a single test shot. Erase the test shot. The previous file should also automatically erase. If the error persists, reset camera. *	UNABLE TO ERASE
p. 41, 46	Recording failed. Re-record because this data can't be correctly replayed. If error persists, turn off power once before retrying or reset camera.*	UNABLE TO RECORD
p. 32	Unformatted SmartMedia memory card in camera. Format card with camera before recording images.	FORMAT CARD
Appropries		

Reset Method: Remove both the main and date batteries and then slide the power switch on.
 The camera will reset to the default factory settings.

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#### Menus

The camera features three menus. The menus are used, respectively, to adjust settings for recording, playing and erasing picture files.

#### Record Menu

When you finish with the record menu, press the menu button a second time to conclude Slide the power on, set the mode dial to either [REC] setting and press the menu button

This operation can be performed with the mode dial set to either the [ $\Box$ ] setting or [ $\clubsuit$ ] setting in the REC section.



Recording Mode:

Switches between recording modes, such as picture or text modes (p. 43)

manual focus (p. 66). Switches between auto and

Exposure Compensation: Sets the exposure compensation (p. 54).

Self Timer:

White Balance: Switches between the auto and

(p. 56). Switches the self timer on and manual white balance settings

Sets the date and time (p. 34). Switches interval shooting on and off (p. 62) off (p. 61).

Date: Interval Timer:



Display:

Keep Settings:

S Mode:

Beep:

Auto Power Off:

NC Select:

Initialize Settings:

Saves the camera settings (p. the LCD monitor shuts down in power saving mode (p. 84). Sets the time interval after which

Sets the electronic beep to settings for shooting in dark ar-

Sets the shutter speed to faster

and hiding the non compression option among the PIC modes (p. Switches between displaying function on or off (p. 84). Switches the auto power off sound or no sound (p. 86).

startup (p. 89). Resets to default settings at

#### M Play Menu

finish with the play menu, press the menu button a second time. Slide the power on, turn the mode dial to [Play] and press the menu button. When you

: T



Protect:

Multi Image Playback: Displays nine images at once on the LCD monitor (p. 75).

Zoom Playback: Displays images at twice the original magnification in the SF, SN, SE and NC modes (p. 74).

Auto Power Off: Activates or disables the auto

power off function (p. 85).
Switches an image protection setting on or off to prevent or enable erasure (p. 77).

#### ■ Erase Menu

Slide the power on, turn the mode dial to [Erase] and press the menu button. When you finish with the erase menu, press the menu button a second time.



Erases selected images one at a time (except protected images)

(except protected images) (p. (p. 79). Erases all the files from the card

card (including protected images) (p. 32). Formats a SmartMedia memory

Important Note:

The [PC] setting on the mode dial is used to exchange files with a computer. For more information on this subject, refer to the Readme file or Help menu topics of the DU-4 software.

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#### ■ Play Menu

Slide the power on, turn the mode dial to [Play] and press the menu button. When you finish with the play menu, press the menu button a second time.

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Multi Image Playback:

Zoom Playback:

Auto Power Off:

:: Displays nine images at once on the LCD monitor (p. 75). Displays images at twice the original magnification in the SF, SN, SE and NC modes (p. 74). Activates or disables the auto power off function (p. 85).

power off function (p. 85). Switches an image protection setting on or off to prevent or enable erasure (p. 77).

Protect:

#### ■ Erase Menu

Slide the power on, turn the mode dial to [Erase] and press the menu button. When you finish with the erase menu, press the menu button a second time.



Erase:

Erase All:

Format:

Erases selected images one at a time (except protected images) (n. 79)

Erases all the files from the card (except protected images) (p.

Formats a SmartMedia memory card (including protected images) (p. 32).

Important Note:

 The [PC] setting on the mode dial is used to exchange files with a computer. For more information on this subject, refer to the Readme file or Help menu topics of the DU-4 software.

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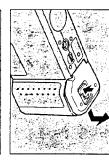
## Basic Operation/Quick Reference

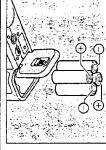
This section describes the minimum procedures required for you to start taking great pictures with the Ricoh RDC-4200 digital camera. For the full treatment of each topic, please read the pages referenced below.

#### **Preparations**

# ● Load the batteries into the camera as shown.

You can also power the camera with the AC adapter, connecting it to the camera first and then the electrical outlet (p. 28).

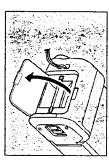




Check that the camera power is off.

Inserting a SmartMedia Memory Card (pp. 30-33)

② Open the card cover and insert a SmartMedia memory card as shown. If you are using a new SmartMedia memory card, you must first format (initialize) the card with the camera (p. 32).

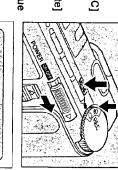




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# Setting the Date and Time (pp. 34-35)

- Slide the power switch on.
- 2 Turn the mode dial to one of the [REC] options and press the menu button.
- ② Slide the zoom button to select the [Date] option and press the enter button.
- Slide the zoom button to change the value of the flashing date field.
- Press the enter button. Repeat steps 4 and 5 on the remaining fields.
- The next field will automatically begin flashing after you press the enter button.
- After you have set the value for the minute field, press the enter button to conclude.

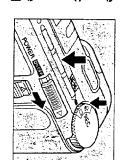


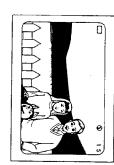


#### Shooting

# Basic Shooting Procedures (pp. 40-47)

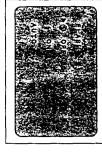
- Slide the power switch on and turn the mode dial to one of the [REC] options.
- Select a PIC mode by pressing the PIC button.
- Select a recording mode.
- Display the record menu by pressing the menu button, selecting [Recording Mode] and pressing the enter button.
- Select among the recording modes by sliding the zoom button and pressing the menu button.
- Press the menu button a second time to clear the display.
   Slide the zoom button to select the an-
- Slide the zoom button to select the appropriate zoom setting for your composition.
- Press the shutter release button to take the picture.



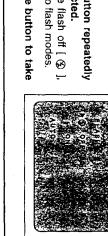


...

- Turn the mode dial to one of the [REC] positions.
- Press the flash mode button repeatedly You may choose from the flash off [ § ], until your choice is selected.
- 8 Press the shutter release button to take the picture.



# forced flash [ \$ ] or the auto flash modes



## 

2 Slide the zoom button to select the [Self Press the enter button and change the Turn the mode dial to one of the [REC] positions and press the menu button. The self-timer function is now active. setting to [On]. Press the menu button.

Timer] option.

the shutter The self-timer LED will flash for approximately 10 seconds before it activates Press the shutter release button to start

the self-timer and take the picture.

#### Playback

## Playing a File (pp. 72-76)

- Slide the power switch on and turn the mode dial to the [Play] option.
- 2 Slide the zoom button to select the image you wish to view.

playback to display nine images on the moniback to magnify an image or the multi image tor at once (pp. 74-75). You can take advantage of the zoom play-

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#### **Erasing**

## Erasing/a/File/(pp.78-80)

Slide the power switch on and turn the mode dial to [Erase].



2 Slide the zoom button to select an erasing option and press the enter button.

SmartMedia Memory Card (p. 32). ing, see the section entitled Formatting a For instructions on the format option for eras-



If You Selected the [ERASE] Option.

Slide the zoom button to select the target image and press the shutter release but-

Repeat step 3 as many times as required to delete additional images one by one



tion If You Selected the [ERASE ALL] Op-

Press the shutter release button.



CANCEL: "MENU" ERASE ALL?

## Safety Precautions

## Warning Symbols Used in this Manual

Various symbols and warnings are shown in this manual and on the camera to alert you and others to the safe operation of this equipment to prevent injuries and other damage.

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

age if ignored or incorrectly handled This symbol indicates matters that may lead to injury or physical dam-

#### Sample Warnings



The **U** symbol alerts you to actions that must be performed



specific action is prohibited.

The  $\odot$  symbol alerts you to prohibited actions. The  $\odot$  symbol may be combined with other symbols to indicate that a



Touching prohibited



Disassembly prohibited

Observe the following precautions to use this equipment safely

#### 



 Turn off the power immediately if the equipment emits smoke or strange smells, or otherwise reacts abnormally. Remove the batteries as soon the power cord from the outlet to avoid fire or electrical hazards. Disdrawing power from a household electrical outlet, be sure to unplug continue use of the equipment immediately if it is malfunctioning. Conas possible, being careful to avoid electrical shocks or burns. If you are tact the nearest service center at your earliest convenience



 Turn off the power immediately if foreign matter (metallic objects, water or other liquids) reaches the interior of the equipment. Remove the batsure to unplug the power cord from the outlet to avoid fire or electrical teries as soon as possible, being careful to avoid electrical shocks or tioning. Contact the nearest service center at your earliest convenience hazards. Discontinue use of the equipment immediately if it is malfuncburns. If you are drawing power from a household electrical outlet, be

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immediately in the following circumstances. damaged. The countermeasures below should be implemented Do not come into contact with the contents of the LCD monitor if

off by washing with soap. fected area with a cloth and rinse it thoroughly with water. Finish SKIN: If the LCD monitor contents contact skin, wipe off the

clean water for at least 15 minutes and obtain medical advice im-EYES: If the substances contact your eyes, flush the eyes with

copious amount of water and induce vomiting. Immediately seek rinse the mouth out thoroughly with water. Have the victim drink a INGESTION: If any amount of the substances is taken internally medical assistance



- 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 deposit the batteries in a fire, short-circuit the terminals, or chargeable.) mium (NiCad) or nickel-metal-hydride (NiMH) batteries are attempt to disassemble, heat or recharge them. (Only nickel-cad-۲ę-
- 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 cells with substantially different charge states



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

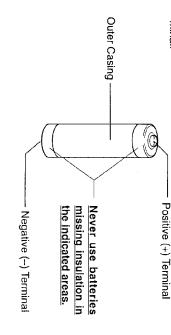
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circuits.. Use of batteries in the following condition must be halted to avoid the potential for leaks, overheating, combustion, explosions and short

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







 Keep the equipment out of the reach of children. Their inability to read and understand warnings 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-Remove the batteries as soon as possible if the situation arises, voltage circuitry in the equipment could lead to an electrical shock. ment to the distributor or a service center if it incurs damage. being careful to avoid electrical shocks or burns. Take the equip-



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



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 Do not use the equipment in a bathroom or shower. It poses the risk of fire or electrical hazards

- Do not use the equipment near flammable gases, gasoline, benfire and burns. zene, thinners or similar substances to avoid the risk of explosions,
- Do not use the equipment in aircraft or other locations in which usage is restricted or prohibited. Such usage may lead to disasters or accidents.



Use only the specified AC adapters for this equipment (AC-2, ACers pose the risk of fire, electrical shock and injury. 2100 -sold separately) in household electrical outlets. Other adapt-

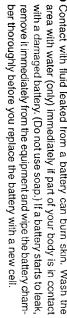
Wipe dust accumulations off the electrical plug, after removing it from the electrical outlet, to reduce the potential for fire.



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

Observe the following precautions in order to use this unit safely.

### Contact with fluid leaked from a battery can burn skin. Wash the





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



 Do not fire the flash at drivers of vehicles, such as bicycles, cars, with wet hands. Both pose the risk of electrical shocks.

buses and trains. The disruption may cause traffic accidents.

Do not allow the camera to get wet. In addition, do not operate it



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

## Safety Warnings about Accessories

Safety warnings about optional accessories, such as the remote control and AC adapters, are shipped with each product and should be read thoroughly before operating the equipment.