

www.orphancameras.com

This manual is for reference and historical purposes, all rights reserved.

**This page is copyright© by M. Butkus, NJ.**

This page may not be sold or distributed without the expressed permission of the producer

I have no connection with any camera company

On-line camera manual library

This is the full text and images from the manual. This may take 3 full minutes for the PDF file to download.

**If you find this manual useful, how about a donation of \$3 to: M. Butkus, 29 Lake Ave., High Bridge, NJ 08829-1701 and send your e-mail address so I can thank you. Most other places would charge you \$7.50 for a electronic copy or \$18.00 for a hard to read Xerox copy.**

**This will allow me to continue to buy new manuals and pay their shipping costs.**

**It'll make you feel better, won't it?**

**If you use Pay Pal or wish to use your credit card,  
click on the secure site on my main page.**

www.orphancameras.com

**RICOH**

**E Es F D Ch**

**GR1**

***Owner's Manual***

***Manual de instrucciones***

***Mode d'emploi***

***Bedienungsanleitung***

**中文使用說明書**

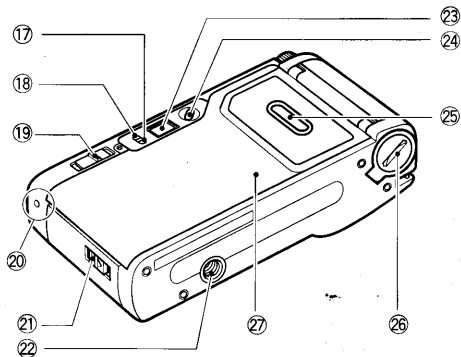
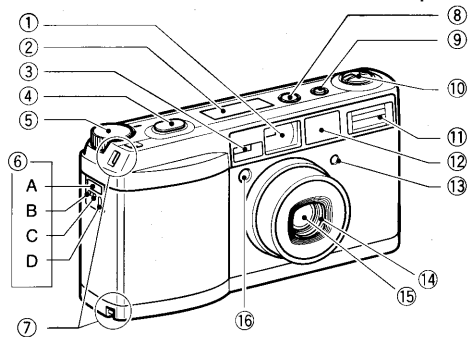




Fig. 1 Abb. 1 圖 1

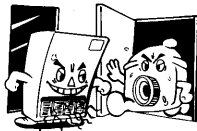


Fig. 4 Abb. 4 圖 4



Fig. 7 Abb. 7 圖 7



Fig. 2 Abb. 2 圖 2



Fig. 5 Abb. 5 圖 5

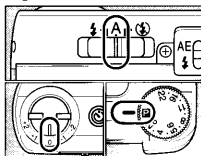


Fig. 8 Abb. 8 圖 8



Fig. 3 Abb. 3 圖 3



Fig. 6 Abb. 6 圖 6

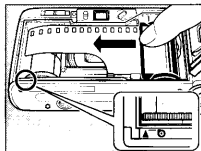


Fig. 9 Abb. 9 圖 9

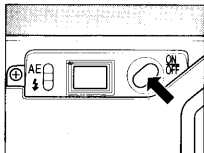


Fig. 10 Abb. 10 圖 10

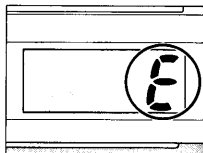


Fig. 13 Abb. 13 圖 13

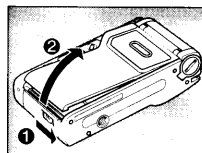


Fig. 16 Abb. 16 圖 16

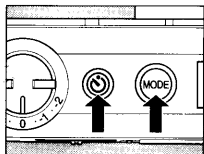


Fig. 11 Abb. 11 圖 11

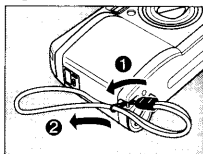


Fig. 14 Abb. 14 圖 14

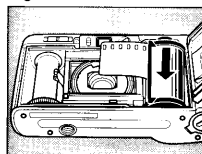


Fig. 17 Abb. 17 圖 17

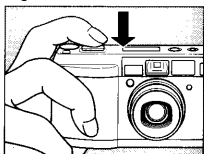


Fig. 12 Abb. 12 圖 12

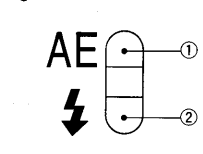


Fig. 15 Abb. 15 圖 15

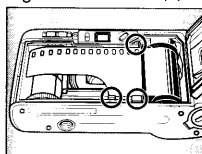


Fig. 18 Abb. 18 圖 18

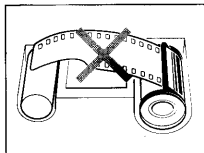


Fig. 19 Abb. 19 圖 19

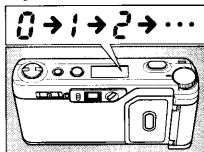


Fig. 20 Abb. 20 圖 20



Fig. 21 Abb. 21 圖 21



Fig. 22 Abb. 22 圖 22

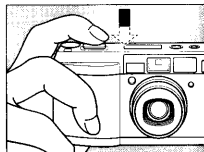


Fig. 23 Abb. 23 圖 23

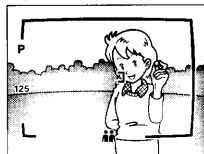


Fig. 24 Abb. 24 圖 24

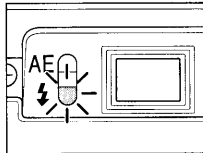


Fig. 25 Abb. 25 圖 25

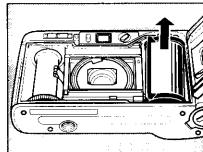


Fig. 26 Abb. 26 圖 26

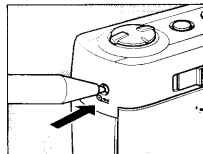


Fig. 27 Abb. 27 圖 27

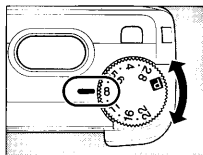


Fig. 28 Abb. 28 圖 28

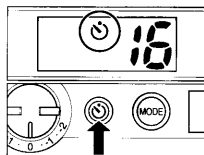


Fig. 31 Abb. 31 圖 31

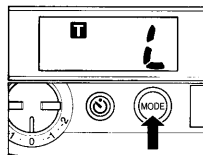


Fig. 34 Abb. 34 圖 34

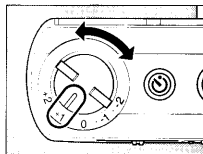


Fig. 29 Abb. 29 圖 29

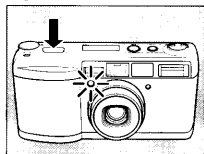


Fig. 32 Abb. 32 圖 32

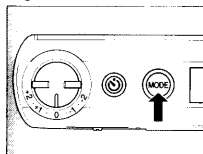


Fig. 35 Abb. 35 圖 35

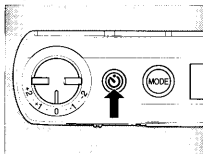


Fig. 30 Abb. 30 圖 30

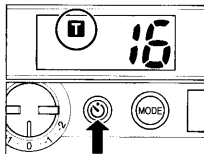


Fig. 33 Abb. 33 圖 33

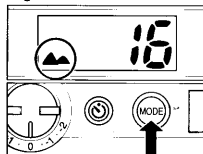


Fig. 36 Abb. 36 圖 36

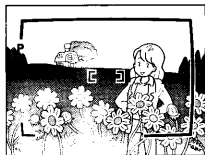


Fig. 37 Abb. 37 圖 37

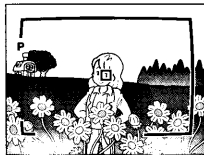


Fig. 40 Abb. 40 圖 40

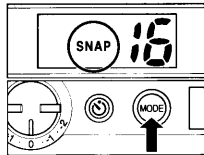


Fig. 43 Abb. 43 圖 43

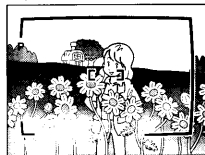


Fig. 38 Abb. 38 圖 38

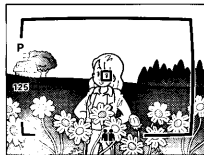


Fig. 41 Abb. 41 圖 41

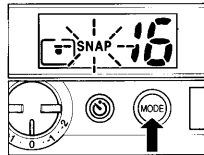


Fig. 44 Abb. 44 圖 44

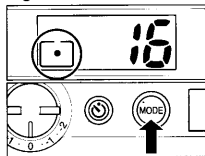


Fig. 39 Abb. 39 圖 39

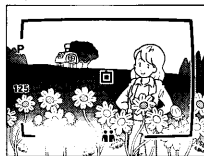


Fig. 42 Abb. 42 圖 42

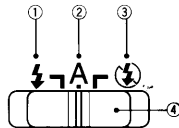


Fig. 45 Abb. 45 圖 45



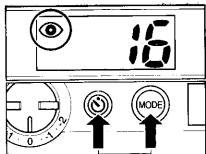


Fig. 46 Abb. 46 圖 46

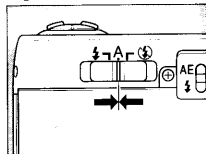


Fig. 47 Abb. 47 圖 47

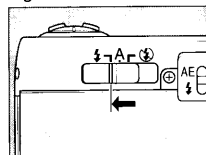


Fig. 48 Abb. 48 圖 48

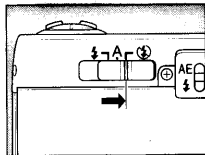


Fig. 49 Abb. 49 圖 49

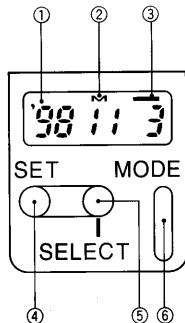


Fig. 50 Abb. 50 圖 50

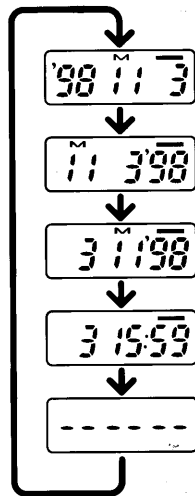


Fig. 51 Abb. 51 圖 51

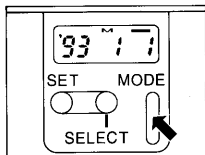


Fig. 52 Abb. 52 圖 52

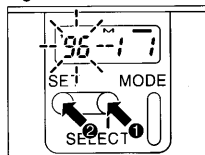


Fig. 53 Abb. 53 圖 53

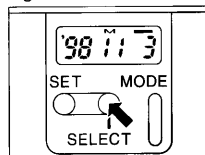


Fig. 54 Abb. 54 圖 54

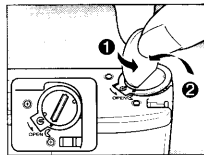


Fig. 55 Abb. 55 圖 55

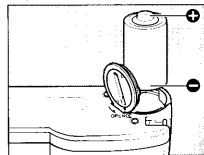


Fig. 56 Abb. 56 圖 56

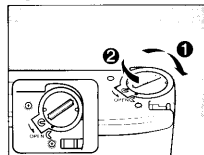


Fig. 57 Abb. 57 圖 57

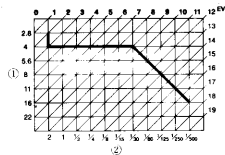


Fig. 58 Abb. 58 圖 58

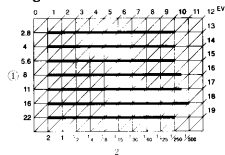


Fig. 59 Abb. 59 圖 59

## CONTENTS

Main Features .....	13	Focus Modes .....	25
Proper Care of Your Camera .....	13	Infinity Mode .....	26
Basic Operation .....	14	Single Auto-Focus Mode .....	26
General Guide .....	15	Snap Mode .....	27
Attaching the Strap .....	15	Fixed Focus Mode .....	27
LCD Panel Indicators .....	16	Flash Photography .....	27
Indicator Lamps .....	17	Red Eye Reduction Mode .....	28
AE Warning Lamp (Yellow) .....	17	Auto Flash Mode .....	28
Flash Monitor lamp (Red) .....	17	Flash-On Mode .....	29
Viewfinder Indicators .....	18	Daylight Synchro .....	29
Distance Symbols .....	19	Slow Synchro .....	29
Auto-Focus Marks .....	19	Flash-Off Mode .....	29
Loading Film .....	20	DATE Imprinting (GR1 <sup>DATE</sup> only) .....	30
Taking Pictures .....	21	DATE Display and Controls .....	30
Auto-Focus Problems .....	22	Selecting the Imprint Date Format .....	30
Auto Power Off .....	22	Setting the Current Date and Time .....	30
Removing Exposed Film .....	23	Loading the Battery .....	31
Aperture Priority AE .....	23	Battery Precautions .....	32
Exposure Compensation .....	23	Film Precautions .....	32
Self-Timer/Time Exposure Modes .....	24	Troubleshooting .....	33
Self-Timer Mode .....	24	Major Specifications .....	34
Time Exposure Mode .....	25		

## MAIN FEATURES

- High-resolution GR lens 28mm f/2.8
- Ultra-slim, 26.5mm body for unlimited portability and easy operation
- Aperture priority AE and programmed AE
- Built-in exposure compensation
- Pre-wind System

### *Important!*

- This camera contains high-voltage circuitry. Never try to take it apart. Doing so creates the danger of serious electrical shock.
- Be sure to test the camera and learn how it works before using it to take important, irreplaceable pictures (at weddings, on trips abroad, etc.)

### ■ About this Manual

This manual covers operation of the RICOH GR1 and GR1DATE. All explanations apply to both models except for date and time imprinting, which can be performed by the GR1DATE only.

## PROPER CARE OF YOUR CAMERA

- ★ Never attempt to wipe dust or dirt from the camera's lens or windows with your fingers. Always use a blower to blow the dust away, or wipe the surface gently with camera lens tissue or a soft cloth. (Fig. 1)
- ★ Impact, high humidity, salt, and other abnormal conditions can cause the camera to malfunction. Carefully wipe off the camera after using it at the beach or areas subjected to salt spray, high humidity, or chemicals. (Fig. 2, 3)
- ★ Take care not to expose the camera to sudden changes in temperature, which can cause condensation to form on the lens, on the film, inside the camera body, or on other surfaces. (Fig. 4)
- ★ Do not leave the camera for long periods in your car, in direct sunlight or in any other area subjected to extremely high temperatures. Doing so can ruin your film and even cause the camera to malfunction. (Fig. 5)
- ★ When using a tripod, the screw length should be less than 5.7mm (1/4 inch). Never try to force a longer screw into the mounting hole. (Fig. 6)

- ★ Do not leave the camera near a TV, radio, or any other device that generates strong magnetic fields. (Fig. 7)

## BASIC OPERATION

Following is basic operation using the Program Mode. See the referenced pages for more detail.

### ■ Camera Setup

Flash Mode Switch: A (Auto Flash Mode)

Exposure Compensation Dial: 0

Aperture Dial: P (Program AE) (Fig. 8)

1. Load film into the camera (page 20). (Fig. 9)  
The film is automatically wound to the film take-up spool.
2. Turn on camera power. (Fig. 10)  
The lens extends from the camera and the lens cover opens.
3. Make Self-timer Mode (page 24), Time Exposure Mode (page 25), and focus mode (page 25) settings as necessary. (Fig. 11)

4. Point the camera at the subject, press the shutter release button part way down, and check the indicators in the viewfinder (page 18). (Fig. 12)
5. Press the shutter release button all the way down to release the shutter.

The indicator **E** on the LCD panel indicates that the end of the film has been reached. Open the Back Cover of the camera and remove the film cassette (page 23). (Fig. 13)

## GENERAL GUIDE

- ① Viewfinder Window
- ② LCD Panel
- ③ Auto-Focus Window
- ④ Shutter Release Button
- ⑤ Aperture Dial
- ⑥ GR1<sup>DATE</sup> Only (page 30)
  - A. Date display panel
  - B. SET Button
  - C. SELECT Button
  - D. MODE Button
- ⑦ Strap Eyelet
- ⑧ Focus Mode Button
- ⑨ Self-Timer/Time Exposure Mode Button
- ⑩ Exposure Compensation Dial
- ⑪ Built-in Flash
- ⑫ Bright Frame Window
- ⑬ Photocell
- ⑭ Lens Cover
- ⑮ Lens
- ⑯ Self-Timer/AF Auxiliary Light Window
- ⑰ Flash Monitor Lamp
- ⑱ AE Warning Lamp
- ⑲ Flash Mode Switch
- ⑳ Manual Film Rewind Button
- ㉑ Back Cover Latch
- ㉒ Tripod Socket
- ㉓ Viewfinder
- ㉔ Power Loaded Switch
- ㉕ Film Window
- ㉖ Battery Compartment Cover
- ㉗ Back Cover

## ATTACHING THE STRAP (FIG. 14)

## LCD PANEL INDICATORS

Though the example display shows all the indicators, normally indicators appear only when applicable.

Red Eye Reduction

Time Exposure Mode

Self-Timer Mode

Counter

- Film Counter  
Shows number of shots remaining.
- Time Exposure Time  
In the Time Exposure Mode, shows exposure time (up to 59 seconds).

Snap Mode

Focus Mode



Infinity Mode



Single AF Mode



Fixed Focus Mode

Battery Mark

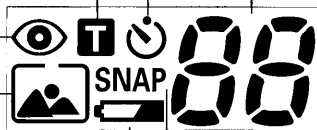


Low battery. Prepare a new battery.



Very low battery, replace as soon as possible.

(Blinking)



## INDICATOR LAMPS

The indicator lamps operate to **alert you to certain conditions** when you press the shutter release button part way down. (Fig. 15)

It does not light when the camera is in the Program Mode and exposure is within normal limits.

### ① AE WARNING LAMP (YELLOW)

This lamp flashes to indicate over or underexposure only.

AE Warning Lamp Status	Shutter Speed Indication in Viewfinder	Meaning
Flashing	Flashing "500"	Overexposure Shutter release is still enabled.
	Flashing "30"	Underexposure Shutter release is still enabled.

### ② FLASH MONITOR LAMP (RED)

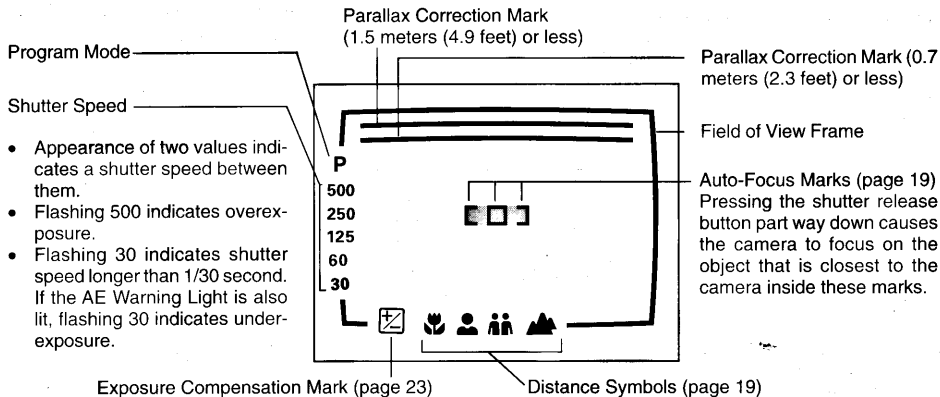
Flash Monitor Lamp Status	Meaning
On	Flash will operate
Flashing	Flash is charging, and shutter release is <b>disable</b> . This indicator flashes during recharging regardless of whether or not the shutter release button is pressed down part way.
Flashing Quickly	Flash is too far from subject, and shutter release is <b>enabled</b> . The warning is calculated based on the condition that reversal film is being used. See "Flash Photography" on page 27 for details on negative film flash ranges.







## VIEWFINDER INDICATORS

### Note

- Certain lighting conditions and subject can cause the contents of the viewfinder to become difficult to see.



## DISTANCE SYMBOLS

Symbol	Meaning
	0.35 to 0.7 meters (1.1 to 2.3 feet)
	With [ ] or □ Auto-Focus Mark flashing Closer than 0.35 meters (1.1 feet). Shutter is disabled while this indicator is flashing.
	0.7 to 1.5 meters (2.3 to 4.9 feet)
	1.5 to 5 meters (4.9 to 16.5 feet)
	With [ ] or □ Auto-Focus Mark flashing Subject is out of focus or extremely close. Shutter is <b>enabled</b> , with the camera focusing for a distance of 2.5 meters (8.2 feet). See "Auto-Focus Problems" on page 22 for details on hard-to-focus subjects.
	5 meters (16.5 feet) or more




## AUTO-FOCUS MARKS

Auto-Focus Marks	Status	Meaning
[ ]	On	Initial configuration of the Auto-Focus marks when camera is turned on.
		Infinity Mode
		Snap Mode
	Flashing	Cannot focus
□	On	Center point focus
		Single AF Mode
		Fixed Focus Mode
	Flashing	Cannot focus
[	On	Left side focus
]	On	Right side focus


## LOADING FILM

The camera automatically makes appropriate settings whenever a DX-coded film cassette is loaded.

Be sure to perform the following procedure in a shady area away from direct sunlight.

1. Slide the back cover latch down  to open the back cover . (Fig. 16)
2. Load a film cassette into the camera's film chamber. (Fig. 17)
3. Pull the film leader so it reaches the  mark inside the camera. (Fig. 9)


### *Important!*

- Take care not to pull the film leader too far past the  mark.
- Make sure that the film is positioned between the upper and lower film guides and not on top of them. (Fig. 18)
- Do not let the film bend upwards and make sure that the outlet of the film cassette is not pointing upwards. (Fig. 19)

4. Close the back cover and press down on it until it locks in place. (Fig. 20)

The Pre-wind System automatically winds the film from the cassette onto the spool on the other side. If the film is loaded correctly, the Counter digits on the LCD panel count the number of exposures available.

### *Important!*

- Zero ("") will flash on the LCD panel if the film cannot be wound because it is not loaded correctly. If this happens, open the back cover of the camera and correct the problem.

### *Note*

- If the camera was not turned on when you loaded film, the count is cleared from the LCD panel about five seconds after the winding is complete.

### **About the Pre-wind System**

The Pre-wind System automatically winds the film from the cassette to the film take-up spool. It normally takes about 30 seconds to wind a standard 36-exposure roll of film.

Each time to shoot a frame, the film winds into the cassette. If you accidentally open the back cover of the camera while film is loaded, close it immediately. When you do this, the film will be automatically rewound into the cassette, and the Film Counter will display  $\infty$ . Remove the film cassette and have it developed. All your shots that were wound into the cassette before the back cover was opened are not lost.

## TAKING PICTURES

This section describes how to take pictures in the Program AE Mode.

### ■ Camera Setup

Aperture Dial: P (Program AE)

Exposure Compensation Dial: 0

See page 27 for details on using flash.

1. Press the power switch to turn on the camera.  
(Fig. 10)

The lens extends, the lens cover opens, and indicators appear on the LCD panel and in the viewfinder.

2. Aim the camera. (Fig. 21)

Always use both hands to steady the camera. when holding the camera vertically, always position it with the flash at the top.

★ Be careful not to place your fingers over the lens, flash, or focusing windows.

3. Compose the picture in the viewfinder. (Fig. 22)

★ Range: 0.35m (1.1 feet) to  $\infty$

★ Shutter release is disabled when the subject being focused on is closer than 0.35 meters (1.1 feet).

4. Press the shutter release button part way down.  
(Fig. 23)

This performs light metering and auto focus operations, and causes the Auto-Focus Marks, the shutter speed, and a Distance Symbol to appear in the viewfinder (page 18). (Fig. 24)

The Auto-Focus Marks flash if the camera cannot focus correctly.

★ When the subject you wish to focus on is not in the Multi-AF area in the viewfinder, or when there is another subject in front of the main subject you wish to focus on in the AF area, you should use pre-focus shooting.

- ★ We suggest that you use a tripod whenever the shutter speed "30" is flashing in the viewfinder.
  - ★ The red Flash Monitor Lamp lights if flash will fire when you release the shutter (page 17). (Fig. 25)
5. Release the shutter by pressing the shutter release button all the way down. (Fig. 12)

### **AUTO-FOCUS PROBLEMS**

The Auto-Focus Marks inside the viewfinder flash to indicate that focusing is not possible under current conditions. You may experience problems when trying to focus the following types of subjects.

- Subjects with little or no contrast (sky, white walls, automobile hoods, etc.)
- Subjects with a smooth surface and horizontal lines only
- Fast-moving subjects
- Very dark colors
- Repeating patterns
- Subjects emitting or reflecting strong light

Whenever you have a problem focusing on a particular subject, point the camera at another subject the same distance away as the subject you are having problems with and press the shutter release button part way down. Keeping the shutter release button depressed part way, point the camera at the original subject and then press the Shutter Release button down all the way to take the picture.

### **AUTO POWER OFF**


Camera power turns off automatically if you do not perform any operation for about five minutes. Lightly press the shutter release button part way down to turn power back on.

#### **Note**

- When shooting through glass, position the camera as close as possible to the glass.
- The lens moves slightly whenever you release the shutter while using auto-focus.
- To avoid accidentally releasing the shutter and wasting film, always turn the camera off when you are not using it.

## REMOVING EXPOSED FILM

The film automatically rewinds into the cassette when it reaches the end, and **E** appears on the LCD panel. (Fig. 13)

1. Open the Back Cover of the camera and remove the film cassette. (Fig. 26)
- ★ If you wish to rewind the film before reaching the end of the film, push the Manual Film Rewind Button with a pen, etc. (If the Film Rewind Button  is pressed with a pen whilst it is rewinding, the film leader will not be wound into the film cassette and will remain outside.) (Fig. 27)

### Note

- A film rewind operation cannot be stopped once it starts.

## APERTURE PRIORITY AE


The camera employs aperture-priority auto exposure that automatically selects a shutter speed to match the setting you make with the aperture dial.

The aperture can be set in a range of f/2.8 to f/22 in 1/2 steps.

1. To change the aperture setting, rotate the aperture dial until the value you want is aligned with the pointer mark. (Fig. 28)

- ★ In the case of flash photography, a smaller aperture setting lets you shorten the distance between the subject and the camera.
- ★ A flashing AE Warning Lamp (along with 500 or 30 flashing in the viewfinder) indicates that proper exposure cannot be achieved under current conditions.

## EXPOSURE COMPENSATION

You can set an exposure compensation value within the range of  $\pm 2\text{EV}$  in increments of  $1/2\text{EV}$ . the indicator  is visible in the viewfinder whenever the exposure compensation dial is set to anything besides "0".

1. To change the exposure compensation setting, rotate the exposure compensation dial until the pointer mark is aligned with the setting you want. (Fig. 29)

- ★ If the AE warning Lamp starts to blink (with 500 or 30 blinking in the viewfinder) when you press the Shutter Release Button part way down after making an exposure compensation setting, it means that the compensation setting is beyond the camera's exposure coupling range and the specified exposure value cannot be attained.

## SELF-TIMER/TIME EXPOSURE MODES

Each press of the Self-Timer/Time Exposure Mode button changes modes in sequence shown nearby. (Fig. 30)



### Note

- The Self-Timer and Time Exposure Modes are exited automatically whenever the shutter is released.

- The camera automatically also exits the Self-Timer Mode or Time Exposure Mode whenever power is turned off, whenever Auto Power Off operates, whenever film is replaced, and whenever the battery is replaced.

## SELF-TIMER MODE

Mount the camera on a tripod whenever using the Self-Timer Mode.

1. After composing the picture, use the Self-Timer/Time Exposure Mode Button to display the indicator on the LCD panel. (Fig. 31)
2. Press the shutter release button. (Fig. 32)

The Self-Timer LED on the front of the camera stays on for about eight seconds. Next, it flashes for about two seconds. The shutter releases a total of about 10 seconds after you press the shutter release button.

- ★ Press the Self-Timer/Time Exposure Mode Button to cancel a Self-Timer operation before the shutter releases.
- ★ Pressing the shutter release button any time while the Self-Timer LED is lit or flashing releases the shutter.

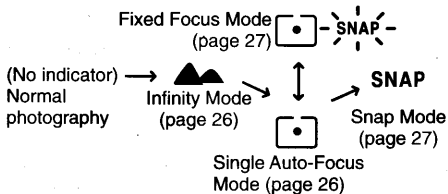
## TIME EXPOSURE MODE

The camera's Time Exposure Mode makes it possible to keep the camera's shutter open for virtually as long as you want. Be sure to put the camera onto a tripod before using the Time Exposure Mode.

1. Use the Self-Timer/Time Exposure Mode Button top display the **T** Time Exposure Mode indicator on the LCD panel. (Fig. 33)
2. Press the shutter release button.  
The shutter opens and a count indicating the time in seconds that the shutter has been opened appears on the LCD panel.  
★ When the count on the LCD panel reaches 60, the LCD panel clears, but the shutter stays open. Pressing the Focus Mode Button displays the **T** indicator along with an "L" indicator to let you know that a time exposure operation is in progress. (Fig. 34)
3. Press the shutter release button again to close the shutter.

## FOCUS MODES

Each press of the Mode button changes modes in sequence shown nearby. (Fig. 35)




### Note

- The camera automatically exits a mode whenever the film or battery is replaced.
- The focus mode does not change if camera power is turned off, except that the Fixed Focus Mode changes to the Single Auto Focus Mode.



## INFINITY MODE

This mode lets you obtain sharply focused pictures of distant images.

1. To select the Infinity Mode, use the Focus Mode Button to display the  indicator on the LCD panel. (Fig. 36)

### Note


- In the Infinity Mode, focus is fixed at infinity so the Auto-Focus Marks in the viewfinder does not change no matter where your subject is located.
- In dim light, turn off the camera's flash and mount the camera on a tripod to prevent movement while the picture is being taken. Operation of the flash in the Infinity Mode can result in underexposure.

## SINGLE AUTO-FOCUS MODE

Use the Single Auto Focus Mode to lock the focus in the following situations.

- When the object you want to focus on is not located within the Auto-Focus Marks. (Fig. 37)

- When there are objects within the Auto-Focus Marks between the camera and the object you want to focus on. (Fig. 38)

1. Use the Focus Mode Button to display the  indicator on the LCD panel. (Fig. 39)
2. Look through the viewfinder and aim the camera so the object you want to focus is inside the Auto-Focus Marks. (Fig. 40)
3. Press the shutter release button part way down. (Fig. 41)

At this time focus and exposure settings are locked according to the object inside the Auto-Focus Marks.

4. Keeping the shutter release button pressed part way down, re-aim the camera so the picture is composed the way you want it, and press the shutter release button all the way down to take the picture. (Fig. 42)

### Note

- At EV6 and above, center-weighted light metering is used. Below EV6, average light metering is used.

## SNAP MODE

The Snap Mode fixes focus at a distance of about two meters.

1. To select the Snap Mode, use the Focus Mode Button to display the **SNAP** indicator on the LCD panel. (Fig. 43)

## FIXED FOCUS MODE

This mode lets you fix the focus for a specific distance, making it possible to shoot a picture with minimum time lag between when you press the shutter release button and when the shutter releases.

1. Use the Focus Mode Button to enter the Single Auto Focus Mode (page 26). (Fig. 39)
  2. Perform steps 1 through 3 of the procedure on page 26 to lock the focus on the object you want.
  3. Keeping the shutter release button pressed part way down, hold down the Focus Mode Button for about one second until the **SNAP** indicator starts to flash on the LCD panel. (Fig. 44)
- The **SNAP** indicator means that focus is fixed.

## FLASH PHOTOGRAPHY

The built-in flash of this camera provides additional light when it is needed. A red eye reduction setting is also provided.

Note that the maximum shutter speed when using program AE is 1/30 second. (Fig. 45)

- ① Flash On Mode
- ② Auto Flash Mode
- ③ Flash Off Mode
- ④ Flash Mode Switch


The Flash Monitor Lamp lights to indicate that the flash will fire when you press the shutter release button part way down.


### Recommended Flash Ranges (Aperture Full Open)

Film Speed	Reversal Film	Negative Film
ISO100	0.35 to 2.5 meters (1.1 to 8.2 feet)	0.35 to 3.5 meters (1.1 to 11.5 feet)
ISO400	0.35 to 5.0 meters (1.1 to 16.5 feet)	0.35 to 7.0 meters (1.1 to 23.1 feet)


## RED EYE REDUCTION MODE

Selecting this mode makes it possible to minimize the red-eye effect that sometimes occurs when taking portrait photographs with flash. Now it's easy for anyone to take superior shots of people.

★ The flash operates only in the Flash-On Mode or the Auto Flash Mode. Even if the  indicator is on the LCD panel, the flash does not operate in the Flash-Off Mode or when the camera judges that available light is sufficient without a flash in the Auto Flash Mode.

1. To select the Red Eye Reduction Mode, hold down both the Self-Timer/Time Mode button and the Focus Mode Button for about one second until the  indicator appears on the LCD panel. (Fig. 46)

## Exiting the Red Eye Reduction Mode

- Hold down both the Self-Timer/Time Mode button and the Focus Mode Button for about one second until the  indicator disappears from the LCD panel.

- The camera does not exit the Red Eye Reduction Mode when you turn it off or open the back cover to replace film, but it does exit the mode when you replace the battery.

## AUTO FLASH MODE

The Auto Flash Mode fires the flash automatically when it is in the Program AE Mode and available light is low or when the subject is backlit. When the subject is near, the intensity of the flash is adjusted automatically to provide a softer light for natural colors.

1. To select the Auto Flash Mode, slide the Flash Mode Switch to the "A" setting. (Fig. 47)

With this mode, the flash fires automatically whenever the camera senses that supplementary lighting is required, or when you shoot a backlit subject (within 3 meters) with the Program AE Mode (page 21). In the Auto Flash Mode, the red Flash Monitor Lamp lights when you press the shutter release button part way down to indicate that the flash will fire. (Fig. 25)

The camera uses a shutter speed in the range of 1/30 to 1/60 second for flash photography when available light is low.

***Important!***

- When using the Program Mode to photograph a backlit subject, make sure that the subject is inside the Auto-Focus Marks. If it isn't, the camera may not be able to detect the backlighting and so may fail to fire the flash. Always use the Flash-On Mode (page 29) when you want to make sure that the flash will fire.
- Using higher speed films for photographing nearby subjects can result in overexposure.

**FLASH-ON MODE**

Use this mode when you want the flash to fire every time you press the shutter release button.


**DAYLIGHT SYNCHRO**

The camera automatically uses daylight synchro when the Flash-On Mode is selected and available light is bright.

**SLOW SYNCHRO**


The camera automatically uses slow synchro when the Flash-On Mode is selected and aperture priority AE is used for photographing in a dimly lit area.

Slow synchro slows down the shutter speed, so be sure to mount the camera on a tripod. Slow synchro is indicated when the shutter speed 30 is flashing in the viewfinder when you press the shutter release button part way down.

1. To select the Flash-On Mode, slide the Flash Mode Switch to the  setting. (Fig. 48)

**FLASH-OFF MODE**

You should select this mode if you want to keep the flash from firing, no matter what the lighting conditions.

1. To select the Flash-Off Mode, slide the Flash Mode Switch to the  setting. (Fig. 49)

## DATE IMPRINTING (GR1<sub>DATE</sub> ONLY)

The data imprinting feature of the GR1<sub>DATE</sub> camera lets you imprint the current date or time on your photographs.

### DATE DISPLAY AND CONTROLS (Fig. 50)

① Date Display Panel

② Month Mark

This mark appears above the digits that indicate the month setting. This mark is not imprinted on the photograph.

③ Imprint Mark

This mark indicates that the date or time will be imprinted when a picture is taken. It flashes for about two or three seconds after you press the shutter release button to indicate when an imprint operation is being performed. This mark is not imprinted on the photograph.

④ SET Button

⑤ SELECT Button

⑥ MODE Button

### SELECTING THE IMPRINT DATA FORMAT

Each press of the MODE Button changes the format of the imprint data on the Date Display Panel as shown nearby. (Fig. 51)

#### *Important!*

- Imprint data may not be visible if the area behind it is colored white or orange.

① Year/Month/Day

② Month/Day/Year

③ Day/Month/Year


④ Day/Hour/Minutes

⑤ Imprint Off


### SETTING THE CURRENT DATE AND TIME

Use the following procedure to set the current date and time after replacing the battery, etc.

1. Use the MODE Button to select the imprint data format whose settings you want to change. (Fig. 52)


- ★ Select one of the date formats to change the date setting, or the Day/Hour/Minutes setting to change the time setting. Note that you cannot change the day setting with the Day/Hour/Minutes format.
- 2. Press the SELECT Button and the currently set digits on the Date Display Panel flash, because they are selected. (Fig. 53)
- 3. Use the SET Button to change the currently selected (flashing) digits.  
Each press of the SET Button increments the selected digits by one. Holding down the SET Button increments the setting at high speed.
- 4. Press the SELECT Button to select the digits of the next setting.
- 5. Repeat steps 3 and 4 as many times as necessary to set all of the digits on the display.
- 6. Pressing the SELECT Button while the digits for the last setting are selected causes the Imprint Mark  to appear on the Date Display Panel. (Fig. 54)

#### **Note**

- Use a ball-point pen or other similar object to press the buttons.
- Date imprinting will not operate while any setting is flashing on the Date Display Panel. Make sure you press the SELECT Button until the Imprint Mark  appears after you make the settings you want.


## **LOADING THE BATTERY**

The camera is powered by a CR-2 3V battery. Replace it whenever the battery mark is flashing on the LCD panel.

1. Rotate the battery compartment cover in the direction indicated by the arrow marked OPEN  to open it. (Fig. 55)

#### **Important!**

- Be sure to always turn camera power off before opening the battery compartment cover.
2. Remove the old battery and replace it with a new one. (Fig. 56)
    - ★ Make sure the positive (+) end is facing up (so you can see it).

3. Close the battery compartment cover, lock it by rotating it in the direction opposite that indicated by the arrow marked OPEN  (Fig. 57)
- ★ If you leave the camera without a battery installed for a few minutes, its date setting will revert to the default of January 1, 1993 or January 1, 1996. Use the procedure on page 31 to set the correct date.
- ★ We recommend that you always carry extra batteries with you when travelling. This is especially true when travelling overseas, where you may not be able to purchase the type of battery you need.

### **BATTERY PRECAUTIONS**

- ★ Use only the specified battery type.
- ★ Loading a battery with its positive (+) and negative (-) poles facing the wrong way can cause the battery to leak and damage your camera.
- ★ Never expose batteries to direct heat or allow them to become shorted. Never try to take batteries apart and do not charge batteries. Doing so creates the danger of batteries bursting, fire, personal injury, and acid damage.

- ★ Extreme cold (below 0°C) can cause battery performance to deteriorate, and the battery mark to flash on the LCD panel. Under such conditions, warm the battery in your pocket or alternate multiple batteries, keeping one warm when it is not loaded in the camera. A cold battery will recover its performance once it is returned to normal temperature.
- ★ Battery terminals that are soiled with sweat or oil can result in poor electrical contact. Wipe off the battery with a soft, dry cloth before loading it into the camera.
- ★ Battery performance depends on manufacturer and type.

### **FILM PRECAUTIONS**

- ★ The film leader is susceptible to bending and breaking when very cold. Warm the end of the film with your hands before loading it into your camera.
- ★ Use up all the film in a roll and have it processed within a reasonable amount of time. Leaving film in the camera for a long time can cause discoloration.
- ★ The number of exposures indicated on the LCD panel for a roll of film may be more than the number of exposures marked on the film package.

## TROUBLESHOOTING

Check the following points whenever the shutter fails to release when you press the shutter release button. If you still experience a problem, contact your nearest RICOH Service Provider.

Possible Cause	What to check	What to do	Page
Power is off.	Is the lens extended from the camera? If not, power is not on.	Press the power switch to turn on power.	21
Battery is dead.	Is the battery mark flashing on the LCD panel?	Replace the battery with a new one.	31
Flash is charging.	Is the red Flash Monitor Lamp blinking?	Wait until the blink stops.	
Subject is too close to the camera.	Are the Auto-Focus Marks flashing in the viewfinder? Is the object inside the Auto-Focus Marks closer than 0.35 meters?	Increase the distance between the camera and the object within the Auto-Focus Marks to at least 0.35 meters.	
Film is not loaded correctly.	Is "G" flashing on the LCD panel?	Reload film correctly.	20
End of the film was reached.	Is "E" displayed on the LCD panel?	Replace the film in the camera with a new roll.	20



## MAJOR SPECIFICATIONS

Type:	35mm Autofocus Lens Shutter Camera
Lens:	GR Lens 28mm f/2.8 (7 elements, 4 groups) multi-coating aspherical glass lenses
Focusing:	Passive type multi-autofocus (with focus lock) automatic auxiliary AF light under low lighting Distance measuring range: 0.35m (1.1 ft.) to $\infty$ (infinity) Single AF Mode, Fixed Focus Mode
Shutter:	Programmed electronic shutter
Shutter Speeds:	Program Mode: Approx. 2 to 1/500 second
Aperture Priority Mode:	Approx. 2 to 1/250 second, 1/500 (at f/16), Time Mode
Viewfinder:	Reverse Galilean type with LCD bright frame In-finder illumination under low lighting
Viewfinder Field of View Factor:	Vertically: 81%, Horizontally: 83%
Viewfinder Magnification:	0.43
Viewfinder Diopter:	-1dpt
Exposure Control:	Programmed AE (page 21), Aperture-priority AE (page 23) Dual SPD photocell

<b>Coupling Range:</b>	EV2 to 17 (ISO100), automatic flash for backlit subjects up to 3.0 meters.
<b>Exposure Compensation:</b>	-2 to +2EV (1/2EV steps)
<b>Film Speed:</b>	ISO25 to 3200, compatible with DX Code System ISO100 for non-DX films
<b>Film Loading:</b>	Ricoh Auto-Load System, film prewinds to the last frame number when back cover is closed.
<b>Film Wind/Rewind:</b>	Ricoh Auto Prewind System, automatic winding, automatic rewinding, automatic rewinding of partial roll, film window
<b>Exposure Counter:</b>	Counts down number of exposures left.
<b>Built-in Flash:</b>	Electronic flash that automatically adjusts flash amount to available light levels Auto Flash for low light and back-lit subjects; Slow Synchro
<b>Flash Guide Number:</b>	7 (ISO100)
<b>Flash Range:</b>	ISO 100 reversal film: 0.35 to 2.5 meters (1.1 to 8.2 feet) ISO 400 reversal film: 0.35 to 5.0 meters (1.1 to 16.5 feet) ISO 100 negative film: 0.35 to 3.5 meters (1.1 to 11.5 feet) ISO 400 negative film: 0.35 to 7.0 meters (1.1 to 23.1 feet)
<b>Flash Charge Time:</b>	Approx. 5 seconds
<b>Battery Life:</b>	Approx. 300 shots (50% with flash, according to Ricoh test conditions) Low battery indicated by battery mark

<b>Modes:</b>	Self-Timer Mode; Time Mode Infinity Mode; Single Auto-Focus Mode; Snap Mode; Fixed Focus Mode Flash-On Mode; Auto Flash Mode; Flash-Off Mode; Red Eye Reduction Mode
<b>Self-Timer:</b>	Built-in 10-second digital timer; operation indicated by LED
<b>Auto Power Off:</b>	Approx. 5 minutes after last operation
<b>Power Supply:</b>	One 3V CR-2 lithium battery
<b>Data Imprinting Power Supply:</b>	Main power supply (GR1 <sub>DATE</sub> only)
<b>Date Imprint Formats:</b>	Year/Month/Day; Month/Day/Year; Day/Hour/Minutes (GR1 <sub>DATE</sub> only)
<b>Date Display Formats:</b>	Year/Month/Day; Month/Day/Year; Day/Hour/Minutes; Data Imprint Off (GR1 <sub>DATE</sub> only)
<b>Dimensions:</b>	117 (W) x 61 (H) x 26.5 (D) mm, 4.6 (W) x 2.4 (H) x 1.0 (D) inch (not including grip)
<b>Weight:</b>	GR1: 175g (6.1 oz) without battery GR1 <sub>DATE</sub> : 177g (6.2 oz) without battery

## EXPOSURE CONTROL DIAGRAMS

**Program AE (Fig. 58)**

**Aperture Priority AE (Fig. 59)**

- ① Aperture (F)
- ② Shutter Speed (seconds)