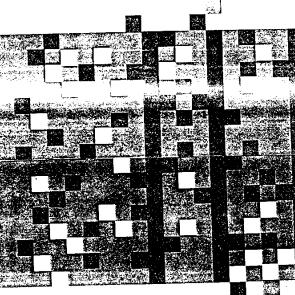
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Operation Manual

Before using your Remote Control Unit, read this manual carefully to understand the proper operation of the unit. Please keep this manual handy for easy reference.



RICOH CO., LTD.

L6103332 3-32-3 Higashi-Shinagawa Shinagawa-ku, Tokyo 140 JAPAN

Main Features

With the Remote Control Unit, you can playback or erase images from the camera even at a distance. Remote operation

Program settings

The program playback feature allows you to select a sequence of images for automatic or manual playback, determine the automatic playback interval (in seconds), and confirm your settings.

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- The contents of this manual are subject to change @1996 Ricoh Co., Ltd.
- this manual. However, if any part of the manual is unclear or incorrect, please contact us at the address indicated on the back cover. Considerable care was taken in the preparation of without notice.

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manual contains information on the proper use and trandling of your new equipment. To fully benefit from the features of this Remote Control Unit, read this manual Thank you for purchasing the DR-2 Optional Remote Control Unit for the Ricoh RDC-2 Digital Camera. This carefully, and keep it available for easy reference.

We are confident that your digital camera and memory card cannot be responsible for any loss of or damage to recorded images if you expenence malfunctions during will offer you years of reliable service. However, Ricoh A note about recorded files.. recording or playback.

About your warranty:

This device is made to domestic specifications. The warranty is affective only within the country of purchase. Should it malfunction while you are aboract, we cannot be responsible for the cost or tack of availability of servicing in other countries.

Table of Contents

Features

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|------------------|-------------------|---------------------------|------------------------|-------------------------|-------------------|--------------------|---------------------------------|--------------------|--------------------------|--|---------------------------------------|--------------------|

Safety Precautions -

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Symbols used in this manual

explained below. property damage and injury to you and others. The meanings of these symbols are intended to ensure the safe use of your new camera and accessories, and to prevent The symbols shown below appear in this manual and on the camera display. They are

 Δ Warning This symbol indicates mishandling that may result in a serious injury or even

A Caution This symbol indicates mishandling that may cause injury to the user as well as damage to objects.

To ensure safe operation of your new equipment, please observe the following precautions

contact a physician immediately. Remote Control Unit, do not leave it in reach of children. If the battery is swallowed, The battery used in this unit is toxic if swallowed. After removing the battery from your

battery. Doing such could cause the battery to explode, resulting in fire, and/or personal injury, and damage to the surrounding area. Never put the battery into a fire, and never short, heat, charge, or disassemble the

Before using the Remote Control Unit

Confirming the package contents

Check the packaging to ensure you have received the following items. Read the warranty, then store it in a

- Remote control unit ...
- Warranty

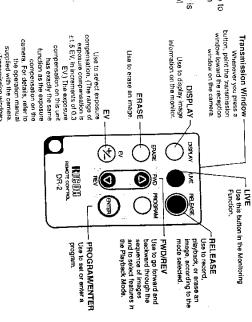
Lithium battery (installed in Remote Control Unit)

Connecting a monitor

When using the Remote Control Unit, connect the camera to a Ricoh DM-2 LCD Monitor (Optional) or a TV monitor.

Description of the Remote Control Unit

you can record sounds and images and play them back up to approximately 5 m (16 ft.) from the camera. Before operating confirm that the lithium battery is With the Remote Control Unit, installed in the Remote Control



S

button, point the transmission

<Transmission windows

indow toward the reception

window on the camera Whenever you press a

Button Functions

| Remote control button | Function | Refer to page |
|-----------------------|--|---------------|
| RELEASE | Same function as the camera's RELEASE button. | 1 |
| LIVE | For monitoring an image while recording. | P. 7 |
| EV | For compensating exposure in steps of ±0.3 EV | P. 9 |
| | Adjusts focus during monitoring. | P. 8 |
| | Increases or decreases Exposure compensation amount. | P. 9 |
| FW0/REV | Selects image. | P. 12 |
| | Moves cursor. | P. 17 |
| DISPLAY | Shows screen display. | P. 10 |
| FRASE | Erases an image. | P. 15 |
| PROGRAM | Sets and playbacks programs. | P. 17 |
| ENTER | Enters the selection. | P. 17 |
| | | |

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- Notes:

 When Still Picture Mode is selected during recording, the shutter is released approximately two seconds after RELEASE.
- is pressed.

 The RELEASE button on the Remote Control Unit cannot be used when a file is being copied or when a memory card is being initialized in the camera.

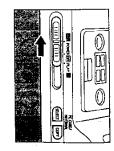
Live Monitoring Function

on a monitor the images being captured by the camera. It also allows you to manually adjust the focus during recording. This function allows you to view,

Note: While monitoring the image Display Mode, Recording Mode, drive selection, date and time display, and Flash Mode. viewed by the camera, you cannot switch between the prior to viewing the image; tollowing functions. These functions must be selected



Note: To connect the camera to the LCD Monitor, refer to the LCD Monitor manual or to the



the LCD Monitor or to the then turn on the power to the camera to RECORD, Slide the main switch or TV monitor.

the LCD Monitor or to a TV 1. Connect the camera to monitor.

operation manual supplied with the camera. manual supplied with the monitor, refer to the operation To connect the camera to a TV

5. To record, press RELEASE on the Remote Control Unit.

3. Press LIVE.
The image is displayed on the LCD Monitor or on the television

press RELEASE. 4. To adjust the focus, press FWD or REV, then

screen for monitoring.

Note: If the flash is recharging, the image may not appear on the monitor.

second time. To cancel the settings: Press LIVE a

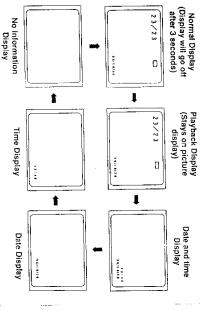
> exposure compensation by 0.3 EV, press FWD. To decrease the screen brightness as you adjust the EV value. To display the EV value on the LCD Monitor or the TV monitor Exposure compensation: If you adjust the exposure compensation while monitoring, the EV be performed during monitoring, so that you can view the change in display. Exposure compensation can compensation value will appear on the press REV. Press +/- again to cancel exposure compensation by 0.3 EV, screen, press +/-, then press FWD or REV to set the value. To increase the

Important: The exposure compensation can be set to ±1.5 brightness change only for the compensation range of +1.5 EV EV, however screen reflects to -0.6 EV is displayed on the

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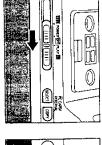
œ

Depress the DISPLAY button to cycle through the information display for the current image.



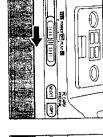
sure the camera is connected to the LCD Monitor or to a TV Before using this function, make playback recorded images. The PLAY function allows you to

Playback Function -



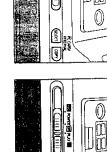
Slide the camera's main

SELECT for approximately drive. Press and hold one second to change



Preparing the camera

image will be playbacked. The most recently recorded switch to [PLAY (PC)]



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can select the desired inserted in the camera, you If a memory card is

Important: Always turn off the power before removing or inserting a memory card. For details on changing drives, refer to the operation manual provided with the camera.

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9 6/1 (/3 0

REPLAY ->PUSH RELEASE

REPLAY -->PUSH'RELEASE'

23/23

22/23

21/23

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and Audio

1. Use the FWD/REV Playback Still Picture

After playback has completed the settings will return to the Remote Control Unit to 1. Press RELEASE on the state they were in before playback the sound.

To playback the image, press RELEASE. playback.

To move to the previous image: press REV.

To playback the file: press RELEASE.

press FWD.

To move to the next image, image to playback. Control Unit to select an buttons on the Remote

12

Playback Still Picture

Still Picture Playback Continuous

1. Press RELEASE on the they were in before playback. the settings will return to the state sequence. view the frames in Remote Control Unit to After playback has completed

Using single-frame advance: Press RELEASE to pause during playback, then press FWD to advance to the next frame.

Press RELEASE to pause during playback, then press REV to view the preceding frame. Using single-frame reverse:

To payback the same image again, press RELEASE again.
To playback the image, press
RELEASE.



Playback Audio

to playback. return to the previous state prior After playback, the settings will playback an Audio. Remote Control Unit to

Press RELEASE on the

the counter. (In this case, no sound is played.) The counter will continue to advance as long as you hold down FWD. Advancing the counter:
Press RELEASE to pause during
playback, then press FWD to advance

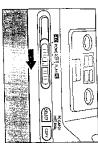
Reversing the counter:
Press RELEASE to pause during
phyback, then press REV to reverse
the counter. (In this case, no sound is
played.) The counter will continue to
reverse as long as you hold down
REV.

To repeat playback of an image, press RELEASE again. Playback will begin from the time displayed on the

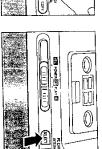
Sample of the State of the Stat

function, however, make sure that the camera is connected to the LCD Monitor or to a TV monitor. images. Before using this You can easily erase recorded

Important: Erased images cannot be recovered! Before erasing, double-check the number of the image you intend to erase.



1. Slide the camera's main switch to [PLAY (PC)].



2. If a memory card is select the desired drive. Press and hold SELECT for to change drives. approximately one second inserted into the camera,

Important: Always turn off the power before removing or inserting a memory card. For details on changing drives refer to the operation manual supplied with the camera.

To erase, press RELEASE To cancel, press ERASE

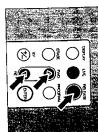
FWD/REV

Select image to display with



display the Erase mode Remote Control Unit to 3. Press ERASE on the selection on the monitor.

Note: Continuous Still Pictures and Audio cannot be erased when paused during playback.



select the image to be erased, then press RELEASE. 4. Press FWD or REV to

To cancel the settings: Press ERASE again.



ERABING

on the monitor. "Erasing" is displayed

image varies depending on the type of memory card used and the type of image recorded. images decrease by one. The time required to erase an When an image is erased, the image numbers of succeeding

Program Setting

function, make sure that the main switch is set to [PLAY (PC)]. You can create a playback program to playback images in a set sequence, at set intervals, convenient for making method. This feature is very and with a particular playback presentations. Before using this

.mdeten. 41 m 144543

Assault and Control

Program settings can be made with the following displays.

Program setting display

Important: If the battery is removed two weeks, the program settings will be lost. Be sure to leave the battery in the camera. from the camera for more than

COLORD TO CORDE

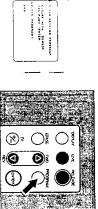
1

CHOOSE SIZE CUPEDA

ALIMA PATA SANGA

123

***** *****

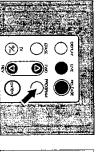


Program settings

(memory card or on-board memory). See p. 11 First, specify the desired drive

1. Press PROGRAM

Caroner with "Conson"



AND PUSH 'ENTER' PROGRAM REPLAY

PROGRAM REPLAY

1

: \$

-

►PROGRAM SET (E N D

"PROGRAM SETTING" move the cursor to 2. Press FWD or REV to

Note: To cancel the operation, select "END"



3. Press ENTER. displayed. The Program settings screen is

17

6

Move the cursor to

The recorded image on the selected drive will be displayed.

ENTER.

number 1, then press the cursor is pointing to

playbacked.

"SEQUENCE," then press The Playback sequence screen

Creating a new setting

is displayed. ENTER.

8

PROGRAMI SETTING

SEQUENCE ➤ SEQUENCE AUTO! MANUAL SETTING AND PUSH TH INTERVAL ENTER' CHECK SETTING CLEAR SETTING m N D

PROGRAM 1

AND PUSH 'ENTER' PROGRAM SET

PROGRAM 3 PROGRAM 2

END

4. Select the number of the

You can set a playback sequence for up 20 files.

AND PUSH ENTER H CURSOR' SEQUENCE

playbacked, make sure that the image to be To set the first image as ΒND

then press ENTER. This selects the first image to be

To move forward through the

Select the recorded image with FWD or REV,

Press FWD to move forward.

Press REV to move backward.

CLEAR -->PUSH :ERASE: SET CHOOSE FRAME WITH 23/23 →PUSH 'ENTER

To move backward through the

number 2, then press the cursor is pointing to succession, make sure that To set another image in

Selecting "NEXT":
To playback image number 11 or
beyond, press REV to move the
cursor to "NEXT," then press
ENTER.

page, then press ENTER. the playback sequence, move the cursor to "END" on the next When you have finished setting

CHOOSE WITH CURS SETTING SEQUENCE CURSOR'

END X CHOOSE WITH CURK
AND PUSH ENTER SETTING

2: 20 0g 3: 21 合 4: 22 合 5: 11 0

NEXT

SEQUENCE PROGRAMMED20

Changing a program setting

1. Press FWD or REV to

cursor to "NEXT," then press ENTER. change, then press ENTER. To select "NEXT," move the image number you wish to move the cursor to the

· Franchister ·

This clears the image from the cleared is displayed, press ERASE.

2. Move the cursor, select a

Clearing an Image from a program

number of the image to be cleared, then press ENTER move the cursor to the 1. Press FWD or REV to ខ្លួ

M N N X

E N E X T

0009

SET

→ PUSH .ENTER

CHOOSE FRAME WITH

CLEAR -> PUSH 'ERASE

AND PUSH ENTER SETTING

SEQUENCE CURSOR'

SETTING AND PUSH ENTER

SECUENCE ROGHAMMED 20

16/23

new image, then press This changes the image.

ENTER.

When the image to be

MANUAL SEQUENCE CHOOSE WITH 'CURSOR' SETTING INTERVAL CHECK SETTING CLEAR SETTING E V PROGRAMI

> AND PUSH 'ENTER' AUTO/MANUAL

PROGRAMI

When you have finished setting AUTO/MANUAL, move the cursor to "END," then press ENTER.

 Move the cursor to AUTO/MANUAL

screen. press ENTER. "AUTO/MANUAL," then This displays the AUTO/MANUAL

> press ENTER. 2. Move the cursor to MANUAL or AUTO, then

END **¥**AUTO MANUAL

Note: With "MANUAL" you must press FWD and REV on the for Still Pictures.)
With "AUTO," the images will predetermined settings. according to the be playbacked automatically image to be replayed (except ımages button will cause the same Holding down the FWD/REW Remote Control Unit to change

3

AUTO/ INTERVAL CHOOSE WITH 'CURSOR' SEQUENCE SETTING CHECK END PROGRAMI SETTING

▶0.5 SEC

SSEC

NEXT m v

2 SEC 1 SEC AND PUSH 'ENTER'

INTERVAL

INTERVAL

In this example, the interval is set for a Still Picture.

Note: With the playback interval

setting, you can set the playback interval for a Still Picture.

ENTER. "INTERVAL," then press Move the cursor to

> PROGRAMS Selecting "NEXT":
> To select a setting longer than 10 seconds, press REV to move the cursor to "NEXT" then press ENTER. Select a playback interval on When you have finished setting 30 seconds. the next page, then press ENTER.
> The longest time setting available is

playback interval setting desired, then press ENTER. 2. Move the cursor to the cursor to "END," then press the playback interval, move the ENTER.

> MANUAL INTERVAL AND PURE WITH SETTING SEQUENCE ENTER. CLEAR SETTING END PROGRAMI

CHECK SETTING

1. Move the cursor to "CHECK SETTING," then press ENTER.

> INTERVALO.5SEC AND PUSH 'ENTER' SETTING OTUA 20PROGRAMMED

2. This displays the screen with SEQUENCE, AUTO/ MANUAL, and INTERVAL.

When you have finished checking the settings, move the cursor to "END," then press

PROGRAMI PEND

AND PUSH 'ENTER'

SETTING

PROGRAMI

CLEAR SETTING

AUTO/ MANUAL INTERVAL SEQUENCE

END

SETTING

SETTING MCLEAR CHECK

press ENTER. 1. Move the cursor to "CLEAR SETTING," then

The interval screen is displayed

►CLEAR PROGRAMI e v D CHOOSE WITH 'CURSOR' CLEAR SETTING PROGRAMI

AUTO! CHOOSE WITH CURSON SETTING INTERVAL SEQUENCE ¥E N D CHECK

EXIT

2. Move cursor to "CLEAR PROGRAM1," then press

settings screen. You will return to the Program 1. Move the cursor to "END," then press ENTER.

erasing the program, move the cursor to "END," then press ENTER. You will return to the

Program settings screen.

To abort the operation without

ENTER.

24

er eine ausgeben befehre bestehe ber eine er eine er fankte

SETT ING PROGRAMI SETTING AND PUSH 'ENTER' PROGRAM 3 PROGRAM 2 PROGRAM SET PROGRAM 1

menu, use FWD or REV to To exit the program

₩ N D

move the cursor to "END,"

program, select the program, then repeat the steps in "PROGRAM SETTING" on If you wish to configure another then press ENTER. Program screen. This will return you to the

> ₩ N N AND PUSH 'ENTER' PROGRAM SET PROGRAM REPLAY PROGRAM REPLAY

"END," then press ENTER. operations, use FWD or To end all program The program operation will end.

►PROGRAM REPLAY AND PUSH 'ENTER' E Z PROGRAM REPLAY PROGRAM SET

PROGRAM REPLAY

press ENTER.
The Programmed playback screen will be displayed "PROGRAM REPLAY," 1. Move the cursor to then

PROGRAM 3 PROGRAM REPLAY PROGRAM 2 AND PUSH 'ENTER' PROGRAM 1 ₩ END

23

press ENTER.
SEQUENCE, INTERVAL, and
AUTO/MANUAL will be displayed 2. Select the number of the on the screen according to the move the cursor, then program to be playbacked, settings.

Note:

with "MANUAL," you must press FWD and REV on the

Important: When playing a program

eplay, carefully note the

tollowing

the program settings.

After completing the program or initialize the memory card. settings, do not erase images

Select the drive indicated in

predetermined settings. be playbacked automatically according to the

images are erased after the program settings are completed.

If the drive is changed or if

function properly. the program replay will not With "AUTO," the images will Remote Control Unit to change



"drawer" into the slot in Push the battery place. the DR-2 until it snaps in

swallowed, contact a physician immediately. not leave it in reach of children. If the battery is removing the battery from your Remote Control Unit, do The battery used in this unit is toxic if swallowed. After

cause the battery to explode, resulting in fire, and/or charge, or disassemble the battery. Doing so could personal injury Never put the battery into a fire, and never short, heat,

Handling Precautions

- Be careful not to drop the Remote Control Unit. Do not subject it to any type of shock
- Do not disassemble or attempt to repair the unit.
- Do not touch the battery with a metal instrument, such as pliers.
- direct sunlight, in a closed automobile, on the beach, or in a bathroom. Do not use the Remote Control Unit in a very humid, grimy, or dusty environment Do not leave the Remote Control Unit where it may be subjected to extremely high temperatures, such as in
- Do not leave the Remote Control Unit in a place with excessive humidity, such as in a bathroom or in a
- In the unlikely event that the Remote Control Unit fails to function, please bring the unit to the store where you smokey or damp kitchen.
- purchased it or to a Ricoh service representative.

Never disassemble the unit. Doing so is dangerous.

Maintenance and Storage

- Never allow flammable liquids such as paint thinner, benzene, or pesticides to touch the unit. These substances can damage the unit and cause the finish to peel.
- After using Remote Control Unit in such places as a beach or around chemicals, wipe it thoroughly.

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Inserting the Battery

A lithium battery (CR2032) is required for DR-2 Remote Control Unit.



facing upwards.

with the positive pole (+) Set the button battery

Important: Use only a model CR2032 lithium button battery. Do not use any other type of battery.

the hole on the back of the pull out the battery the pen in that position, the lever to the right. With remote control and push 1. Insert a pen point into 'drawer."

been completed, move the cursor to "END," then press ENTER. When the program replay has

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Before sending the unit in for repairs, refer to the following checklist for a possible solution to the problem. If you still cannot correct the problem, please contact a Ricoh service representative.

Power source problems

| 1 | | |
|---|--|--|
| Symptom | Cause | Remedy |
| The Remote Control Unit does not work. | Reception is blocked by something or the Remote Control Unit is not pointed at the camera's remote control reception window. | Remove the obstruction. |
| | The remote control reception window or transmission window is dirty. | Clean both windows. |
| | The lithium battery in the Remote Control Unit is weak. | Replace the battery with a new lithium CR2032 battery. |
| Unable to erase. | The camera's main switch is not set to [PLAY (PC)]. | Slide the camera's main switch to [PLAY (PC)]. |
| | The memory card is set to "Write Protect." | Set the memory card to "Write Enable." |
| | The camera is set to pause during playback of a Continuous Still Picture or an Audio. | Release pause and end playback. |
| Unable to change the image in program replay. | "MANUAL" is selected in the settings for the playback program. | Press FWD/REV to switch images. |
| Program settings disappear. | The battery has been removed from the camera body. | Replace the battery and recreate the program. |

Specifications -

Weight: Remote control method: Infrared pulse method Power source: External dimensions:

About 11 g. (excluding lithium battery) (0.40 oz.) One lithium battery (CR2032), 3 VDC $38 \times 62 \times 6 \text{ mm}$ About 5 meters (16.8 ft.)

FCC Notice:

This device complies with Part 15 of the FCC Rules. Operation is subject the following two conditions: (1) This device may not cause harmfull interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursurant to Part 15 of the ECC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

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

operate the equipment. Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to

Properly shielded and grounded cables and connectors must be used for connection to host computer in order to meet FCC emission limits.

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