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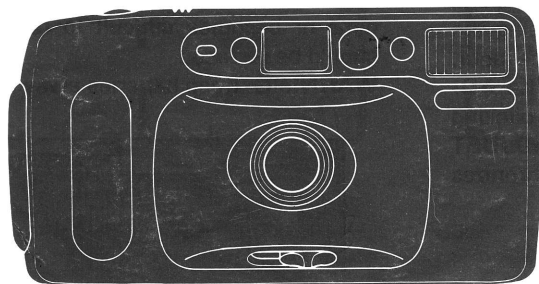
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Riva AF 35 (QUARTZ DATE) Freedom AF 35 (QUARTZ DATE)

E INSTRUCTION MANUAL



1. INTRODUCTION

Thank you for purchasing this camera. Among the many features that it offers to simplify operation and improve picture quality are:

- Autofocus with cancelable focus hold
- Autoexposure
- Autoflash
- Auto film-speed setting for DX-coded ISO 100 to 400 films
- Fully automatic film transport
 - Auto advance to first frame
 - Auto winding
 - Auto rewind
 - Auto rewind stop
- Self-timer

To learn how to operate your new camera properly and obtain satisfying results right from the start, please read the following instructions and cautions carefully before taking pictures.

If you have any questions about this camera, contact your local camera dealer or the Minolta distributor in your area.

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Room 208, 2/F, Eastern Center, 1065 King's Road, Quarry Bay, Hong Kong

10, Teban Gardens Crescent, Singapore 2260

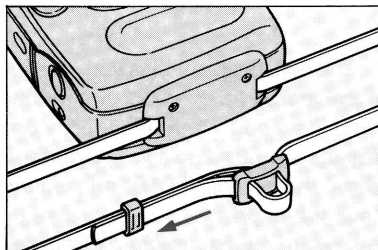
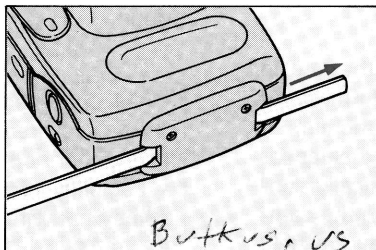


MINOLTA

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P104-A12
9222-2453-11
Printed in Japan

2. ATTACHING THE STRAP

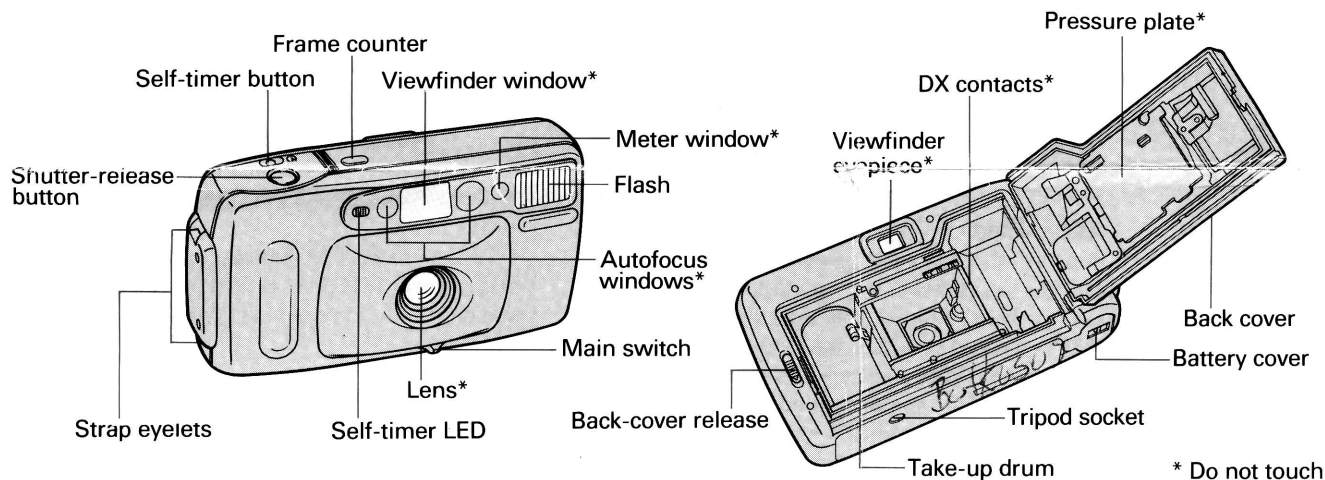


Attach the strap as shown for added safety and convenience.

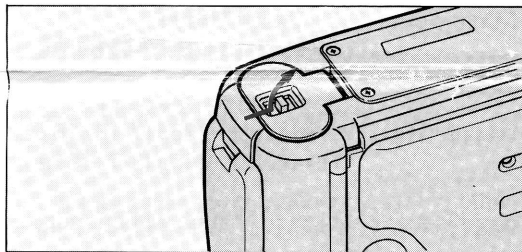
cautions carefully before taking pictures.

If you have any questions about this camera, contact your local camera dealer or the Minolta distributor in your area.

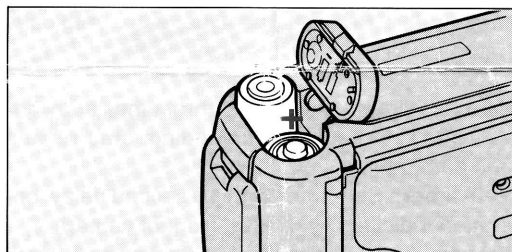
3. NAMES OF PARTS



4. POWER



Your Minolta Riva/Freedom AF 35 is powered by two AA-size alkaline-manganese or nickel-cadmium (Nicad) batteries. Use of carbon-zinc batteries is not recommended.



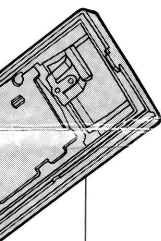
Installing batteries:

1. Open the battery cover as shown.
2. Insert the batteries as indicated on the inside of the battery cover.
3. Snap the cover shut.

Batteries should be recharged (Nicad only) when conditions are observed.

- Film winding operation
- After being loaded, advance to the first frame
- Shutter will not

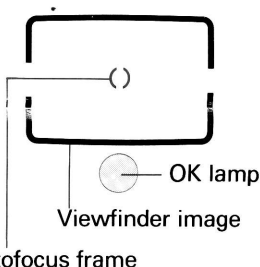
e plate*



Back cover

Battery cover

Viewfinder



* Do not touch

Batteries should be replaced or recharged (Nicad only) whenever any of the following conditions are observed.

- Film winding or rewinding stops during operation
- After being loaded correctly, the film will not advance to the first frame
- Shutter will not release

Battery Cautions

- Read and follow all warnings and instructions supplied by the battery manufacturer.
- When inserting batteries, make sure that the (+) and (-) terminals face in the correct direction.
- Never use batteries that show signs of leaking or cracking.
- To prevent battery leakage or bursting, never mix batteries of different types, brands, or ages.
- Used batteries should not be discarded in fire.
- Keep batteries away from children.
- If batteries are not inserted correctly, leaking or bursting may result.

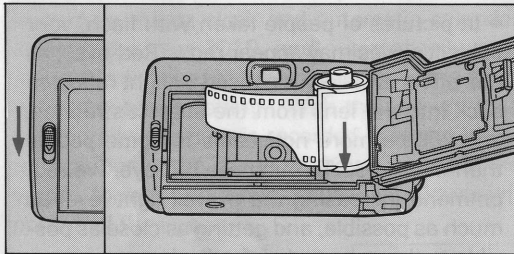
5. FILM

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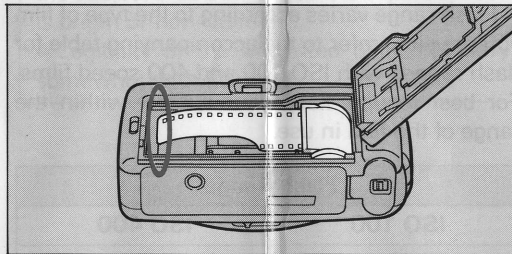
Only 35mm film can be used in this camera. We recommend use of ISO 100 to 400 DX-coded negative films (**DX** is printed on the cartridge).

For DX-coded films rated below ISO 400 the film speed is set to ISO 100, and for films rated 400 and higher the film speed is set to ISO 400. If you use film that is not DX-coded, the film speed will be set to ISO 100. 72-exposure cartridges and Polaroid instant 35mm films cannot be used.

6. HOW TO LOAD FILM



1. Make sure the frame counter is at **0**, then open the back cover by sliding the back cover release downwards.
2. Insert the film cartridge into the film chamber as shown.

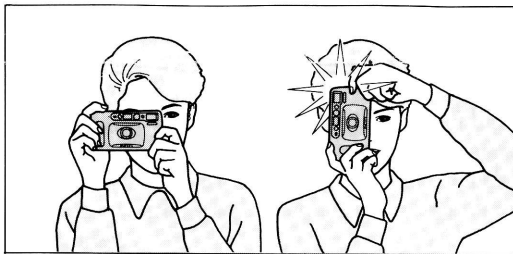


3. Lay the film flat between the guide rails and extend the tip of the film over the take-up drum to the film-tip position mark. If the film extends too far, gently push the excess back into the cartridge.
4. Close the back cover. The film will be advanced automatically to the first frame. When **1** appears in the frame counter, the camera is ready for taking pictures.

If the film isn't loaded correctly when you close the back cover, the camera's motor will run for about five to ten seconds and then stop, and the film counter will remain at **0**. Open the back cover and reload the film correctly.

CAUTION: Load film in subdued light, or at least shaded from direct sunlight.

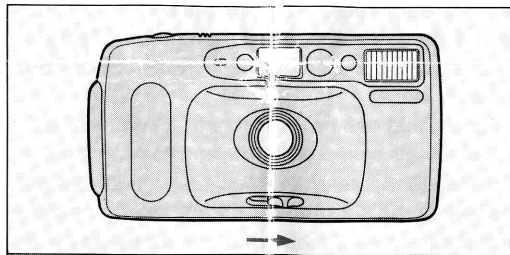
7. TAKING PICTURES



Holding the Camera

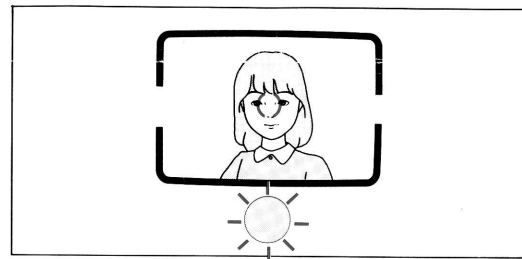
For greater stability and improved results when taking pictures, hold the camera as shown here. Make sure that lens, flash, autofocus windows, and meter window are not obstructed by your hands, the camera strap or otherwise. For vertically framed pictures, the flash should be on top.

When composing the picture, be sure to look through the center of the viewfinder; if you look through the viewfinder at an angle, the recorded image may differ from the viewfinder image.



To Take a Picture:

1. Turn the camera on by sliding the main switch so that the lens cover is open. (With the lens cover closed, the camera's power is switched off, and the shutter remains locked.)

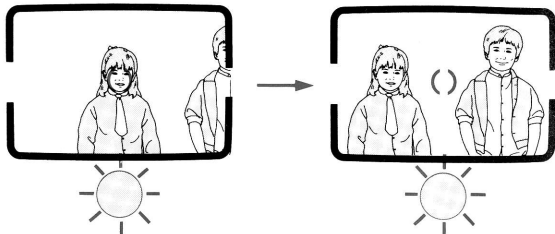


2. While looking through the eyepiece, center the autofocus frame on your subject and press the shutter-release button partway down. When the green OK lamp glows, press the shutter-release button all-the-way down to take the picture.

- Make sure your subject is at least 0.95 meters (3.1 ft.) from the camera; subjects closer than 0.95 meters cannot be focused.
- After the picture is taken, the film advances automatically to the next frame. If the film stops advancing before the end of the roll, **DO NOT OPEN THE BACK COVER**; replace the batteries to resume operation.
- When you are finished taking pictures, switch the camera off to protect the lens and prevent accidental exposures.

8. FOCUS HOLD

If you want to photograph a scene in which your main subject is positioned outside the autofocus frame, use focus hold as shown below. (In low light, check that the flash is charged before proceeding.)



Step 1: Aim the camera so the autofocus frame is centered on your subject, then press the shutter-release button partway down so that the OK lamp glows.

Step 2: Keeping the shutter-release button pressed partway down so that the OK lamp continues to glow, recompose the image as required and then press all-the-way down to take the picture.

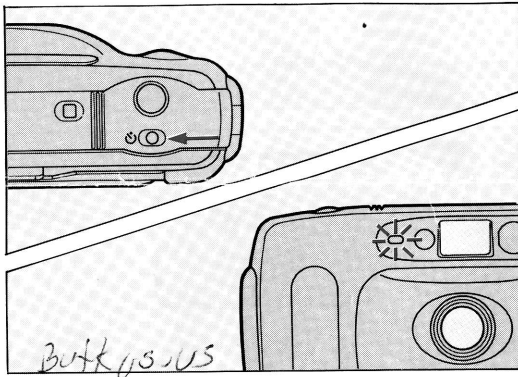
When you press the shutter-release button partway down the camera also locks the exposure setting, ensuring proper exposure of your main subject. Focus hold can be cancelled at any time by lifting your finger from the shutter-release button.

9. SPECIAL FOCUSING SITUATIONS

Focus hold is also useful for obtaining accurate focus on certain types of subjects that might otherwise be difficult or impossible to autofocus directly. In cases where your subject falls into any of the following categories, use focus hold to set the focus distance on another object at the same distance from the camera as your subject.

- Bright light sources such as the sun or neon lights
- Highly reflective surfaces such as water, mirrors, etc.
- Non-substantial objects such as flame, fireworks, etc.
- Dark objects and surfaces with low reflectance
- Objects behind glass, bars, etc.
- Objects smaller than the autofocus frame

11. SELF-TIMER



The camera's self-timer function can be used to set a ten second shutter-release delay. To use the self-timer, operate the camera as you would otherwise, but press the self-timer button instead of the shutter-release button; the self-timer lamp on the front of the camera glows to confirm operation, and the picture will be taken about ten seconds later.

Focus hold can be used together with the self-timer. In this case, center the autofocus frame on your subject, press the self-timer button, and then, with the self-timer running, recompose the viewfinder image; focus remains locked on your subject until the picture is taken.

- In situations requiring flash, if the flash isn't already charged when you press the self-timer button, the self-timer will not function; wait a moment for the flash to charge, then press the self-timer button down again.
- Self-timer operation can be canceled by switching off the camera (i.e., closing the lens cover).

12. AUTO REWIND

About four seconds after the last frame is exposed, automatic film rewind begins. When rewind is complete, the motor shuts off and the frame counter shows 0. Open the back cover and remove the film.

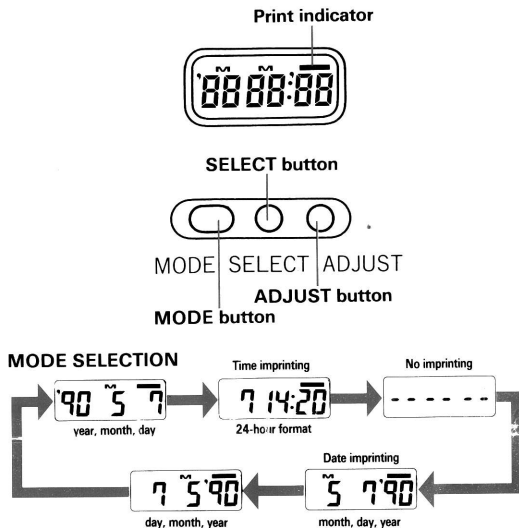
If the frame counter shows anything other than 0 when the rewind motor stops, **DO NOT OPEN THE BACK COVER.** Replace the batteries and wait until rewind is complete before opening the back cover.

TROUBLE SHOOTING

Problem	Cause	Solution
Entire picture blurred	Camera Movement	Hold camera steady and release shutter gently.
Subject out of focus	Autofocus windows obstructed Subject too close to camera Autofocus frame not on main subject Special Focusing Situation	Keep hands, camera strap, and other objects away. Make sure subject is at least 0.95m (3.1 ft) away. Use focus hold. Use focus hold on another subject that is an equal distance away.
Picture foggy or has blurry areas	Dirty Lens	Clean lens as explained in Care and Storage section.
Picture too dark, or partial picture	Lens or flash obstructed Subject beyond flash range	Keep hands, camera strap, and other objects away. In low light, make sure subject is within flash range.
Shutter cannot be released	Lens cover closed Battery is exhausted Battery is inserted incorrectly Flash charging	Open lens cover. Replace battery. Remove and insert correctly Wait for the flash to finish charging.

FOR OWNERS OF QUARTZ DATA BACK MODEL

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The data back enables you to record the date, in a choice of three year/month/day formats, or time (day/hour/minute) directly onto the film. It features a quartz clock and automatic calendar through the year 2019, and automatically controls the imprint exposure according to the camera's film-speed setting. With the camera held horizontally, the data is recorded onto the lower right portion of the image as shown below; in the vertical format, imprinting occurs on the lower left portion of the image.

Setting Data

Use the **SELECT** button to move between different parts of the displayed data. With the date displayed, pressing the **SELECT** button in succession causes the settings for year, month, and then day to blink. In time mode, pressing the **SELECT** button successively causes the hour, minute, and then the colon to blink. The **ADJUST** button is used to change the blinking display. In time mode, pressing the **ADJUST** button while the colon is blinking synchronizes the seconds counter to 00.

Data Imprinting

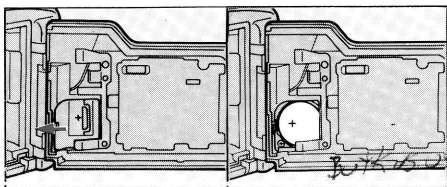
Press the **MODE** button to select the desired data type, then take the picture. Following exposure, the print indicator blinks in the data panel for approximately two seconds to confirm imprinting.

- The imprinted data may be difficult to read if the subject area over which it is superimposed is bright or non-uniform.
- Legibility of the imprinted data may vary somewhat with film type.

Battery Replacement

A single 3V lithium (CR 2025 or equivalent) battery that is supplied with the data back supplies power for the clock, liquid crystal display, and data imprinter. When the data back's display dims or becomes difficult to read, the battery should be replaced.

WARNING: Keep batteries away from children.



To replace the battery: Remove the battery cover by pressing the lock tab, as shown in the illustration. Take out the old battery using a ball-point pen or similar object, then insert a fresh one so that its plus side (+) faces up. Reinsert the battery cover and press down until it snaps into place. Following battery replacement, reset the date and time.

Care and storage

This unit is designed for use between 0 and 40°C (32 and 104°F). At temperatures above or below this range, LCD and imprinted data may become difficult to read. Even higher temperatures may cause the LCD to temporarily blacken.

- If the lens becomes dirty, clean it gently with a lens brush. If necessary, moisten a sheet of lens tissue with one drop of lens-cleaning fluid and gently wipe the lens. Never touch the lens surface with your fingers.
- Never use alcohol or chemical solvents on the camera body. If it is dirty, wipe it gently with a soft, clean, dry cloth.
- Never subject the camera to shock, high heat, or humidity. Be particularly careful not to leave it in the glove compartment or other places in motor vehicles where it may be subjected to high temperatures.
- This camera is designed for use between -10 and 40°C (14° to 104°F).

- Using the camera at very low temperatures impairs its performance. In cold weather, carry the camera inside your coat to keep it warm. Do not transfer the camera directly from an extremely cold to warm area, since condensation may form inside and prevent normal operation.
- Do not let the camera get wet. Water seepage could result in costly or irreparable damage to internal parts.
- Entry of sand, salt, or other grit may cause costly or irreparable damage to the camera. Use extra care when taking pictures at the beach.
- When not in use, keep the camera in a cool, dry place away from dust and chemicals. For extended storage we recommend that you place the camera in an airtight container with a drying agent such as silica gel.
- This camera contains high-voltage circuits. Do not attempt to disassemble or repair it yourself.

TECHNICAL DETAILS

Type: Compact autofocus 35mm camera

Lens: 35mm f/4.5 lens

Focusing: Infrared active-type autofocus with cancelable focus hold; focus range: 0.95m (3.1 ft) to infinity

Exposure system: Center-weighted metering; programmed automatic exposure; range at ISO 100: EV 9.6 to EV 16.2

Film-speed range: ISO 100 to 1000 for DX-coded negative film; ISO 100 or 400 for DX-coded slide film; ISO 100 set for films without DX-coding

Flash system: Automatic charge activation; flash fires automatically when required; shutter locks until flash charged; viewfinder lamp glows when flash is charged; recycling time: alkaline cells: 3.6 sec, nickel-cadmium cells: 3 sec

Viewfinder: Bright-frame type with autofocus frame, green OK lamp; image area: 85% at 3 meters

Film transport: Automatic threading, auto advance to first frame, auto winding, auto rewind and auto rewind stop

Self-timer: Self-timer with 10 second delay; operation indicated by light on front of camera

Power: Two AA-size 1.5-volt alkaline or 1.2-volt nickel-cadmium batteries

Battery performance: Alkaline cells: 23 rolls, nickel-cadmium cells: 12 rolls (based on Minolta's standard test method, using 24 exposure film with flash on 50% of exposures)

- This camera's circuitry may switch off, even when a battery with sufficient power is installed. To resume operation, remove the battery and install it again.
- If you have questions about your camera, contact your local camera dealer. For more information write to the Minolta distributor or subsidiary in your area (addresses listed on the back of this manual.)
- To assure prompt service, please contact an authorized Minolta Service Center before shipping your camera for repairs.

Dimensions: 136 x 72 x 47.5mm

(5-3/8 x 2-13/18 x 1-7/8 in.);

QD-model: 136 x 72 x 51mm

(5-3/8 x 2-13/18 x 2 in.)

Weight (without batteries): 225g (7-15/16 oz.);

QD-model: 240g (8-7/16 oz.)

Specifications subject to change without notice.

10. FLASH

In low light conditions, the camera's flash fires automatically when the picture is taken. In these cases, if the viewfinder's OK lamp does not glow when the shutter-release button is pressed down, the flash is not yet charged; briefly remove your finger from the shutter-release button, and then press it down again to take the picture. The camera's shutter remains locked until the flash is charged.

Flash range varies according to the type of film you're using; refer to the accompanying table for flash ranges with ISO 100 and 400 speed films. For best results, keep your subject within the range of the film in use.

Flash Range	
ISO 100	ISO 400
0.95-3.2m (3.1-10.5ft)	0.95-6.4m (3.1-21ft)

- In pictures of people taken with flash, your subject's eyes may appear red. "Red-eye", as this effect is called, is caused by light reflected back into the lens from the subject's retinas, and will be more noticeable in some people than in others. To minimize red-eye, we recommend increasing the overall light level as much as possible, and getting as close as possible to the near end of the flash range.
- Always use care when taking flash pictures of people or animals, since the flash discharge may be disturbing.