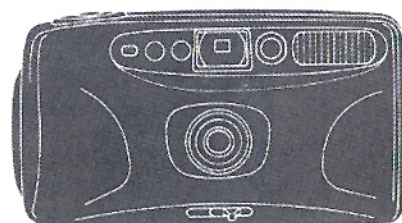




RIVA AF 35c FREEDOM AF 35R

E INSTRUCTION MANUAL



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1. INTRODUCTION

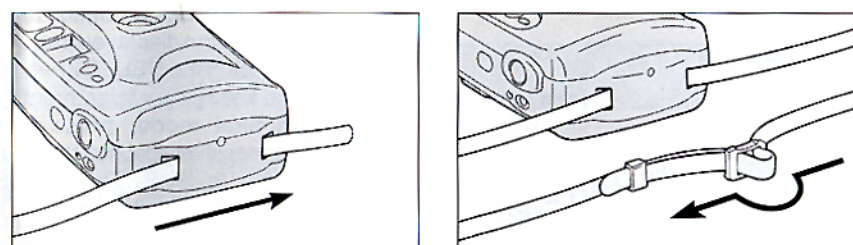
Thank you for purchasing this camera. Among the many features that it offers to simplify operation and improve picture quality are:

- Autofocus with cancelable focus hold
- Autoexposure
- Auto-switchover flash with pre-flash
- Auto film-speed setting for DX-coded ISO 100 to 400 films
- Fully automatic film transport
- 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.

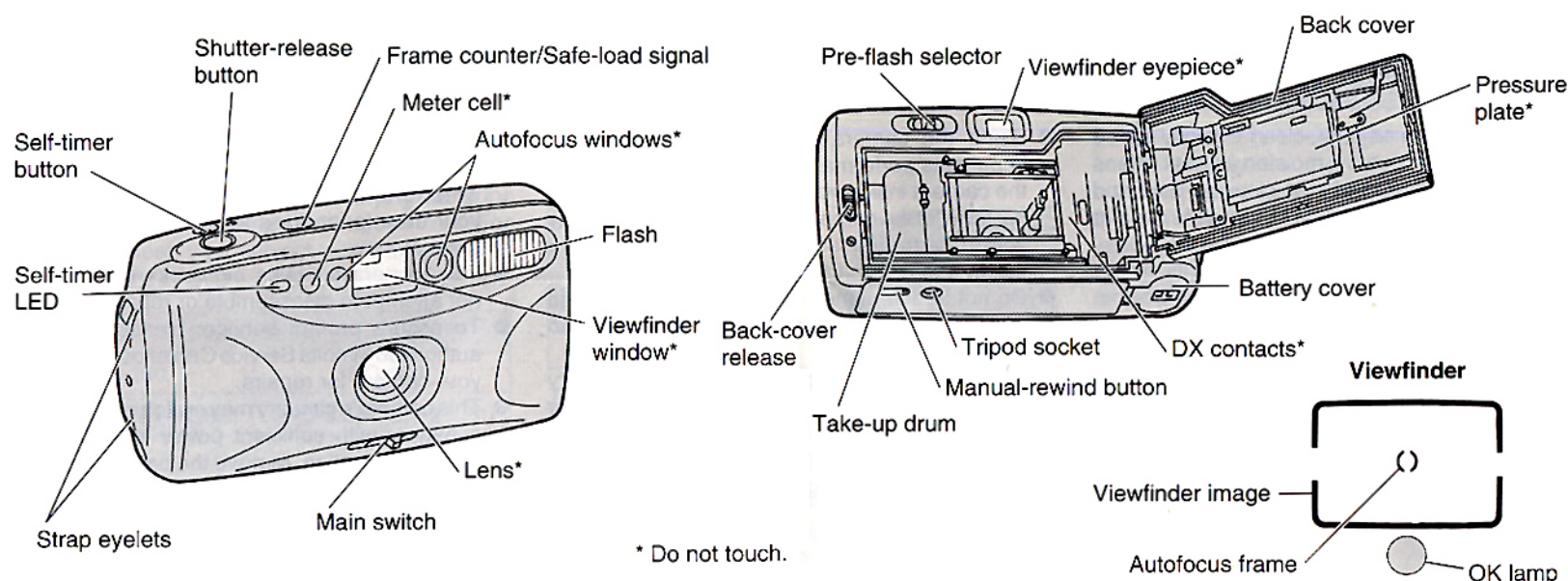
If you have any questions about this camera, contact your local camera dealer or the Minolta distributor in your area.

2. ATTACHING THE STRAP

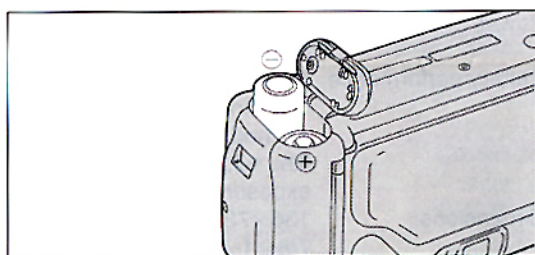


Attach the strap as shown for added safety and convenience.

3. NAMES OF PARTS



4. POWER



Your Minolta Riva AF 35c/Freedom AF 35R is powered by two AA-size alkaline-manganese batteries. Use of carbonzinc 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 replaced 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

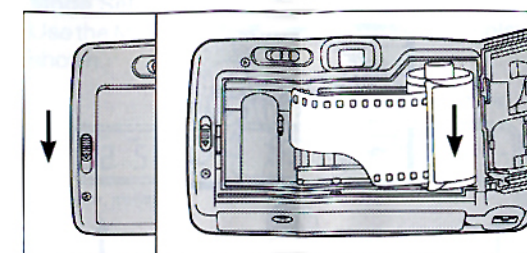
- Read and follow all warnings and instructions supplied by the battery manufacturer.
- When inserting batteries, make sure that the (+) and (-) terminals face in the correct direction.
- Never use batteries that show signs of leaking or cracking.
- To prevent battery leakage or bursting, never mix batteries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

5. FILM

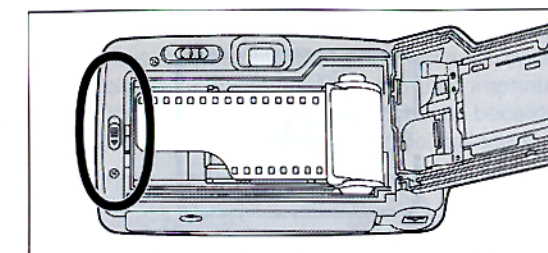
Only 35mm film can be used in this camera. We recommend use of ISO 100 to 400 DX-coded negative films (DX is printed on the cartridge). For DX-coded films rated below ISO 400 the film speed is set to ISO 100, and for films rated 400 and higher, the film speed is set to ISO 400. If you use film that is not DX-coded, the film speed will be set to ISO 100.

CAUTION: 72-exposure cartridges and Polaroid instant 35mm films cannot be used.

6. LOADING THE FILM



1. Slide the back-cover release down as shown to open the back cover.
- Make sure that 0 appears in the frame counter and the safe-load signal is red before opening the camera.
2. Place the film cartridge into the film chamber as shown.

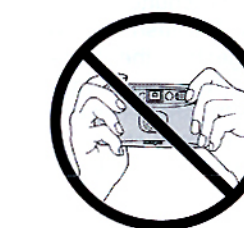


3. Lay the film flat between the guide rails and extend the tip of the film over the take-up drum to the orange film mark. (If the film extends too far, gently push the excess back into the cartridge.)
4. Close the back cover.

7. HOLDING THE CAMERA



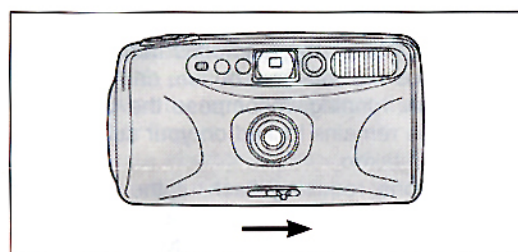
Two recommended ways of holding the camera are shown here. For vertically framed pictures, make sure to hold the camera so that the flash is on top.



Make sure that lens, flash, and meter cell are not obstructed by your hands, the camera strap or otherwise.

To obtain sharp, blur-free photos, hold the camera as still as possible with both hands and steady it against your face or body, as shown above. To take pictures, press the shutter-release button gently with a slow, steady squeeze—never a quick jab.

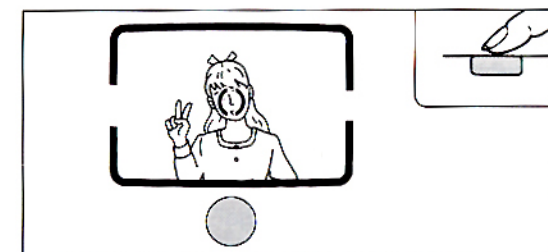
8. TAKING PICTURES



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.



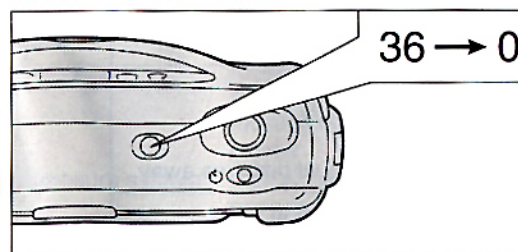
2. While looking through the viewfinder eyepiece, center the autofocus frame on your subject and press the shutter-release button partway down.
- Make sure your subject is at least 0.95 meters (3.1 ft.) from the camera; subjects closer than 0.95 meters cannot be focused.



3. When the OK lamp glows, press the shutter-release button all-the-way down to take the picture.
- 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.

9. REWINDING THE FILM

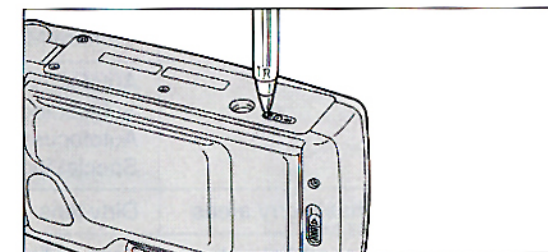
Automatic Film Rewind



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 then close and open the lens cover. This will resume rewinding.

Manual Start of Film Rewind



You can also rewind a roll of film before the last picture is taken. To start film rewind manually, use a ball-point pen or similar object to press the manual-rewind button located on the bottom of the camera.

10. FOCUS HOLD



Focus hold enables you to adapt autofocus for situations where your main subject is positioned outside the center of the viewfinder frame.

1. Center the autofocus frame on your subject, then press the shutter-release button partway down so that the OK lamp glows.



2. Keeping the shutter-release button held partway down, so the OK lamp continues to glow, recompose the frame as desired, then press the button all-the-way down to take the picture.
- Focus hold can be cancelled at any time by lifting your finger from the shutter-release button.

Focusing in Special 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 like those listed below, use focus hold to set the focus distance on another object at the same distance from the camera as your subject.

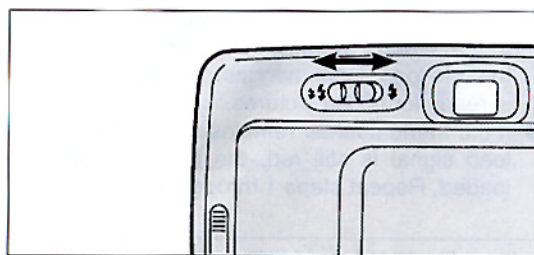
- Bright light sources such as the sun or neon lights.
- Highly reflective surfaces such as water, mirrors, etc.
- Non-substantial objects such as flame, fireworks, etc.
- Dark objects and surfaces with low reflectance.
- Objects behind glass, bars, etc.

11. FLASH

If ambient lighting conditions require the use of flash, the camera's flash will fire 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 partway down, the flash is not yet charged; briefly remove your finger from the shutter-release button, then press it partway down again. When the OK lamp glows, press the shutter-release button all-the-way down to take the picture. The camera's shutter remains locked until the flash is charged.

Pre-flash

In photos of people taken with flash, sometimes your subject's eyes may appear to glow red. "Red-eye", as this effect is called, is caused by light from the flash reflecting from the retina of the eyes. This camera has a pre-flash feature which reduces red-eye. In pre-flash mode when you press the shutter-release button all-the-way down, a low level flash burst will fire just before the main burst. This causes your subject's pupils to close slightly and greatly reduces the amount of light which will reflect off the retina.



To select pre-flash:

Slide the pre-flash selector to the pre-flash position (☿).

To cancel pre-flash:

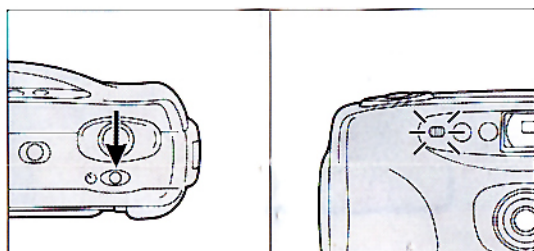
Slide the pre-flash selector back to the normal position (☿).

12. SELF-TIMER

Flash Range

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
0.95-3.3m (3.1-10.8ft)	0.95-6.6m (3.1-21.7ft)



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 LED 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 closing the lens cover.

13. TROUBLE SHOOTING

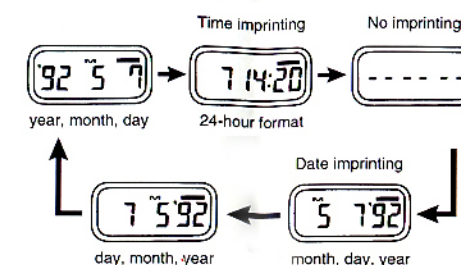
Problem	Cause	Solution
Entire picture blurred	Camera Movement	Hold camera steady and release shutter gently.
Subject out of focus	Autofocus window obstructed Subject too close to camera Autofocus frame not on main subject Special focusing situation	Keep hands, camera strap and other objects away. Make sure subject is at least 0.95 m (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 Conditions of Use 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 Flash charging	Open lens cover. Replace battery. Wait for the OK lamp to glow.

FOR OWNERS OF QUARTZ DATA BACK MODEL

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; in the vertical format, imprinting occurs on the lower left portion of the image.

Mode Selection

Use the MODE button to change the data display as shown.



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.

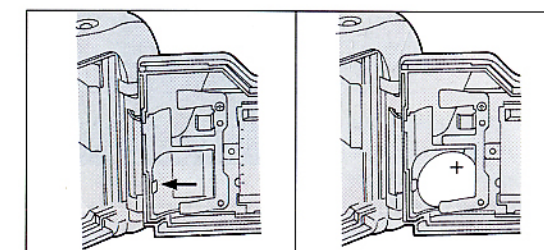
Data Imprinting

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 (CR2025 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.



To replace the battery:

Remove the battery chamber 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-chamber 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 40 and 0°C (104 and 32°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.

14. CONDITIONS OF USE

- 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°C to 104°C.)

- 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.
- 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.

- 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.)
- This camera contains high-voltage circuits. Do not attempt to disassemble or repair it yourself.
- To assure prompt service, please contact an authorized Minolta Service Center before shipping your camera for repairs.
- 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 the camera is not be used for a long period of time, the batteries should be removed.

15. TECHNICAL DETAILS

Type:	Compact autofocus 35mm camera	Flash system:	Automatic charge activation; flash fires automatically when required; shutter locks until flash charged; OK lamp glows when flash is charged; recycling time: alkaline cells: 4sec.	Power:	Two AA-size 1.5-volt alkaline batteries
Lens:	35mm f/4.5 lens	Battery performance:	Alkaline cells: 16 rolls (based on Minolta's standard test method, using 24 exposure film with flash on 50% of exposures).	Dimensions:	136×73×47.5mm (5-3/8×2-7/8×1-7/8in.)
Focusing:	Infrared active-type autofocus with cancelable focus hold; focus range: 0.95m (3.1ft.) to infinity	Viewfinder:	Bright-frame type with autofocus frame, OK lamp; image area: 85% at 3 meters.	Weight:	235g (8-5/16oz.)
Exposure system:	Center-weighted metering; programmed automatic exposure; range at ISO 100: EV 9.6 to EV 16.2	Film transport:	Automatic threading, auto advance to first frame, auto winding, auto rewind and auto rewind stop; rewind button for manual start of rewind	Specifications are based on the latest information available at the time of printing and subject to change without notice.	
Film-speed setting:	Film speed automatically set to ISO 100 or 400 for DX-coded negative film; ISO 100 set for films without DX-coding	Self-timer:	Self-timer with 10 second delay; operation indicated by light on front of camera		