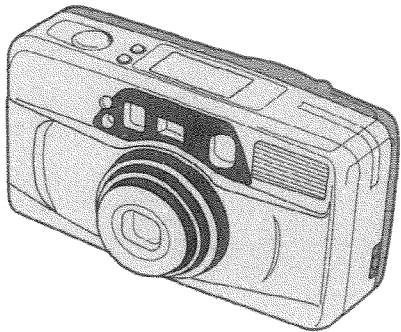




MINOLTA

RIVA ZOOM
105

Orion
FREEDOM ZOOM



INSTRUCTION MANUAL

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FOR PROPER AND SAFE USE

Thank you for purchasing this Minolta camera. Your new camera is equipped with functions which will suit your every photographic need. Before using your new camera, please take the time to read and understand all warnings, cautions, and instructions.



WARNING

Batteries may become hot or explode due to improper use.

- Use only the batteries specified in this instruction manual.
- Do not install the batteries with the polarity (+/-) reversed.
- Do not subject batteries to fire or high temperatures.
- Do not attempt to recharge, short, or disassemble.
- Tape over lithium battery contacts before disposal. Follow local codes for battery disposal.

Keep batteries or things that could be swallowed away from young children. Contact a doctor immediately if an object is swallowed.

Use caution, accidents may occur when using this product near young children.

Immediately remove the batteries and discontinue use if...

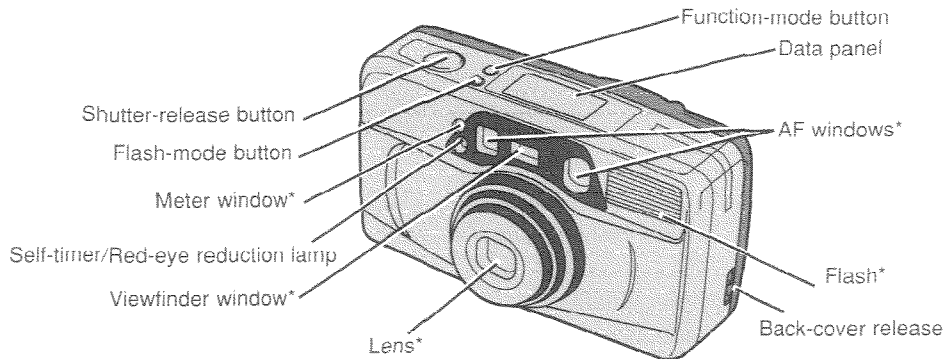
- the camera is dropped or subjected to an impact in which the interior is exposed.
- the camera emits a strange smell, heat, or smoke.

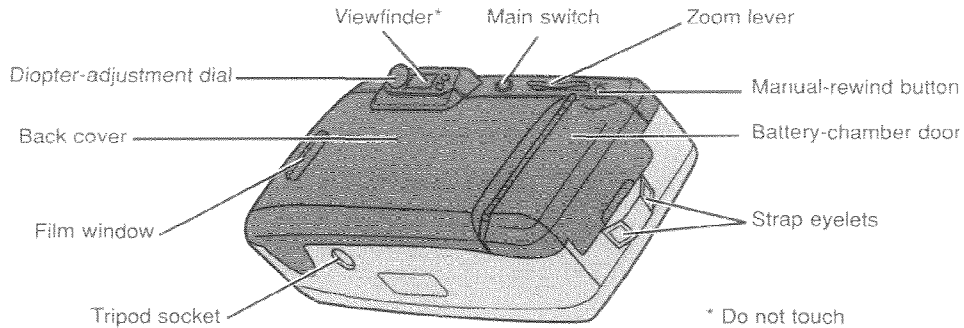
Do not disassemble. Electric shock may occur if a high voltage circuit inside the product is touched. Take your camera to a Minolta Service Facility when repairs are required.

The lens retracts when the camera is turned off or Auto Power Off is activated. Touching the lens barrel while it is retracting may cause injury.

NAMES OF PARTS

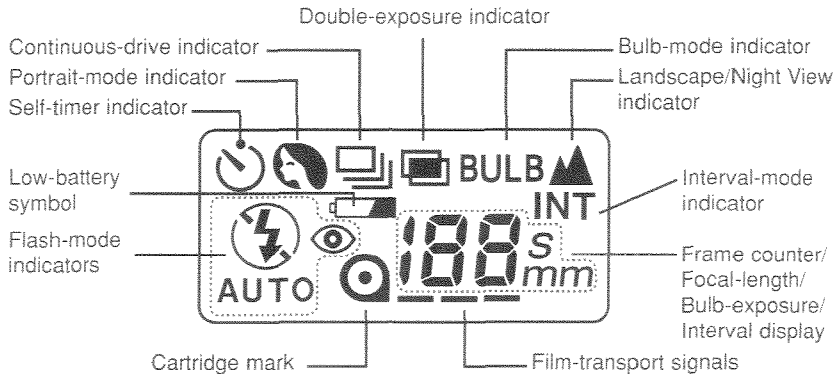
Camera Body



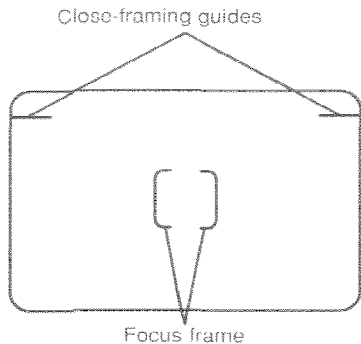


NAMES OF PARTS

Data Panel



Viewfinder

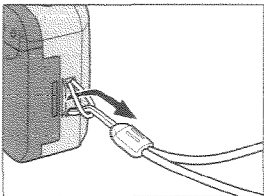
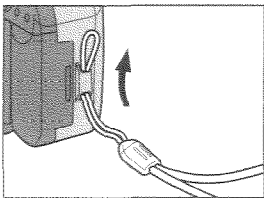


Focus lamp (green)
Glow: Focus confirmed
Blinks: Subject too close

Flash lamp (orange)
Glow: Flash will fire
Blinks quickly: Flash charging
(shutter locked)
Blinks slowly: Camera shake warning

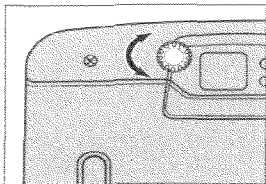
ATTACHING THE STRAP

Attach the strap as shown.



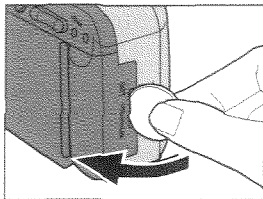
DIOPTR ADJUSTMENT

Use the diopter adjustment to customize the viewfinder for your eyesight. The diopter adjustment range is from -3 to $+1$ diopters.



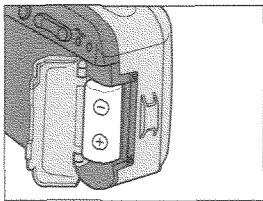
1. Point the camera at a brightly lit subject or a white wall.
2. While looking through the viewfinder, turn the diopter-adjustment dial until the focus frame appears sharp.

INSERTING THE BATTERY



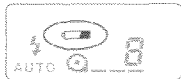
Your camera uses one 3-volt CR123A or DL123A lithium battery.

1. Open the battery-chamber door using a coin or similar object.



2. Insert the battery according to the + and – marks inside the battery chamber, then snap the door closed.

Low Battery Symbol



Low-battery symbol appears.

Power is sufficient, but the battery will have to be replaced soon.

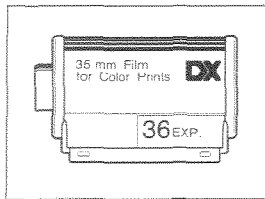


Low-battery symbol blinks.

Replace the battery. The shutter will lock and the lens does not retract until the battery is replaced.

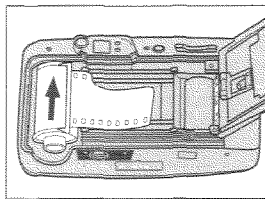
- Auto Power Off: To conserve power, the camera automatically turns off if it is not operated for more than 8 minutes. The lens barrel will retract.

LOADING THE FILM

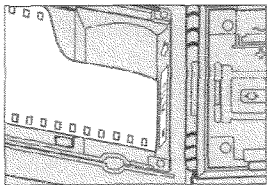


Use only 35mm, DX-coded film rated ISO 50 to 3200.

- ISO 400 film is recommended for best results.
- Always load and unload film in subdued light.
- Do not use Polaroid instant 35mm film. Winding problems may occur.



1. Slide the back-cover release down to open the back cover, then place the film cartridge into the film chamber.

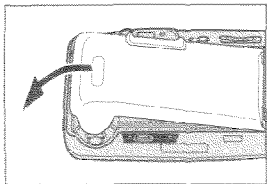


2. Extend the film tip to the  **FILM**  mark, making sure it lays flat.



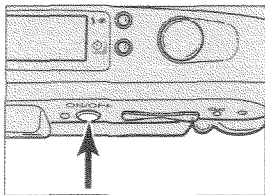
3. Close the back cover.

- The film automatically advances to the first frame and  1 appears in the data panel.

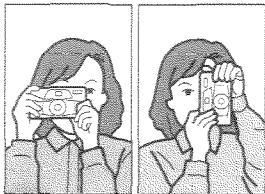


 E will blink in the data panel and the shutter will remain locked if the film has been loaded improperly. Open the back cover and repeat the loading procedure.

FULL-AUTO OPERATION

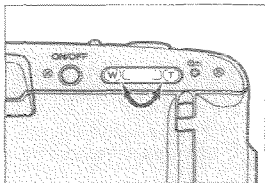


1. Press the main switch to turn the camera on.



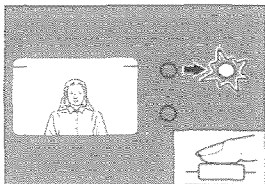
2. Hold the camera steady.

- Make sure your fingers and the strap are not blocking the flash, AF windows, or other camera features.
- For vertically framed pictures, hold the camera so the flash is on top.
- Focus may not be accurate if the lens barrel is obstructed.



3. Look through the viewfinder and push the zoom lever toward W (wide angle) to zoom out or toward T (telephoto) to zoom in.

- The focal length appears in the data panel while the zoom button is pressed, then is replaced by the frame counter.

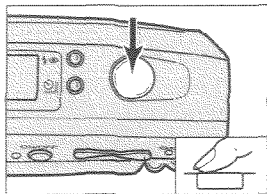


4. Align your subject within the focus frame, then press the shutter-release button partway down so the green focus lamp glows.

- When the orange flash lamp blinks, the flash is charging.

Continued on following page.

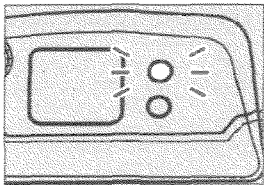
FULL-AUTO OPERATION - CONT'D



5. Press the shutter-release button all the way down to take the picture.

- Press the shutter-release button with a slow steady squeeze, never a quick jab.
- The flash will fire automatically in low-light situations.
- The film is automatically advanced to the next frame.

FOR CLOSER SUBJECTS



If the green focus lamp blinks and the shutter is locked, your subject is closer than the minimum focus distance of 1.0m (3.3 ft.).

Close-framing Guides

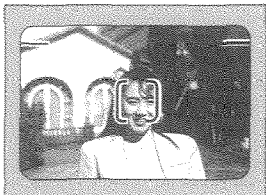
When your subject is at the minimum focus distance, compose your picture within the close-framing guides using Focus Hold if necessary (p. 18).



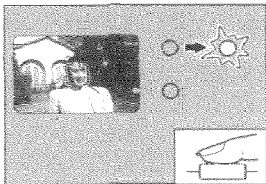
FOCUS HOLD



Subjects outside the focus frame may not be in focus. Use Focus Hold to ensure accurate focus.



1. Align your subject within the focus frame.



2. Press and hold the shutter-release button partway down so the green focus-lamp glows.



- 3. Without lifting your finger, recompose the picture, then press the shutter release button all the way down to take the picture.**
- Lift your finger from the shutter-release button to cancel focus hold.

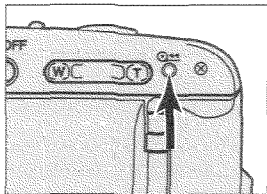
REWINDING THE FILM



The film will rewind automatically after the last frame has been exposed.

When  appears and  blinks, open the back cover and remove the film.

- When the camera starts rewinding, the lens will retract.



Manual Rewind

To begin rewind before the end of the roll, turn the camera on, then gently press the rewind button using a pen.

USING THE BUILT-IN FLASH

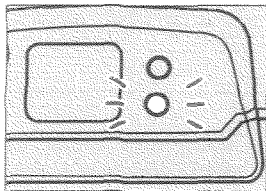
Autoflash mode is set when you turn the camera on. The flash will fire automatically in low-light situations.

	38mm	105mm
ISO 100	1.0 - 5.0m 3.3 - 16.4 ft.	1.0 - 2.0m 3.3 - 6.6 ft.
ISO 200	1.0 - 7.1m 3.3 - 23.2 ft.	1.0 - 2.8m 3.3 - 9.3 ft.
ISO 400	1.0 - 10.0m 3.3 - 32.8 ft.	1.0 - 4.0m 3.3 - 13.1 ft.

Flash Range

The range of the built-in flash depends on the film speed (ISO) and the current focal length. Make sure your subject is positioned within the flash range to ensure proper exposure.

FLASH LAMP (orange)



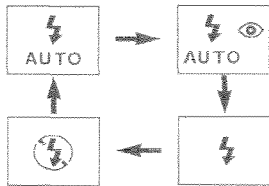
The orange flash lamp will glow when the built-in flash is charged.

When the orange flash lamp blinks quickly and  blinks in the data panel, the flash is charging. Wait until they glow, then take the picture.

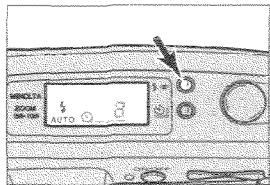
When the orange flash lamp blinks slowly, your scene is too dark for a sharp hand-held picture. Use flash or place the camera on a tripod.

If the flash lamp does not appear, flash is not necessary and the flash will not fire.

SELECTING THE FLASH MODE



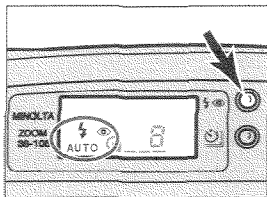
Autoflash mode  (p.21), autoflash with red-eye reduction  (p.24), fill flash  (p.26), or flash cancel  (p.27) can be selected.



Press the flash-mode button until the desired indicator appears in the data panel.

- Flash modes remain selected after you take the picture.

AUTOFLASH WITH RED-EYE REDUCTION



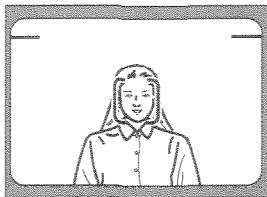
Use the built-in flash's red-eye reduction mode to reduce the red-eye effect when photographing people or animals in low-light situations.

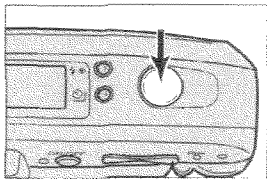
1. Press the flash-mode button until  appears in the data panel.

- Warn your subject(s) that the red-eye reduction lamp will illuminate before the picture is taken.

2. Align your subject within the focus frame, then press the shutter-release button partway down.

- The red-eye reduction lamp will glow.



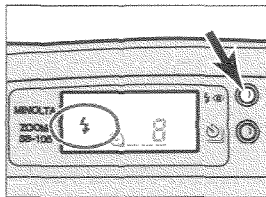


3. Press the shutter-release button all the way down to take the picture.

FILL FLASH

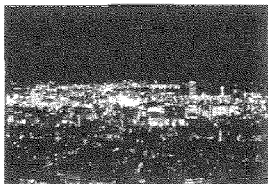


In this mode, the flash will fire every time the shutter is released, regardless of lighting. Use fill flash to reduce harsh, unflattering shadows on your subject's face or to illuminate a backlit subject.

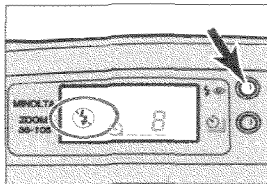


Press the flash-mode button until ⚡ appears in the data panel, then take the picture.

FLASH CANCEL



The flash will not fire in this mode. Flash cancel should be used when photographing twilight scenes or subjects beyond the flash range.



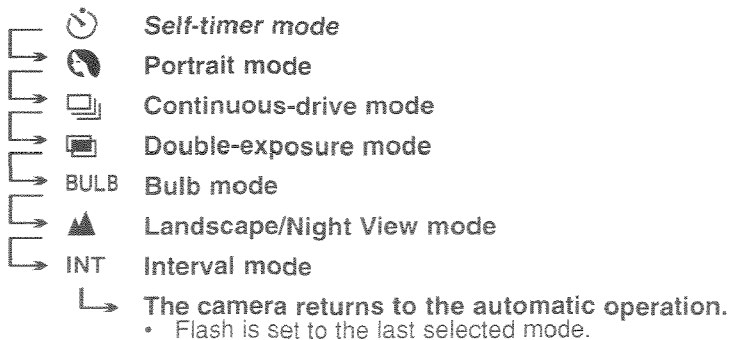
Press the flash-mode button until  appears in the data panel, then take the picture.

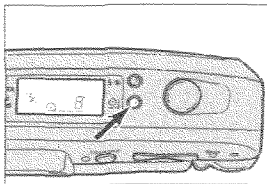
- Shutter speeds may be slow when the flash is cancelled. Use of a tripod is recommended.

FUNCTION-MODE BUTTON

Function-mode button lets you access various camera operation modes. Each mode customizes the camera for a particular type of photography.

The sequence is as follows.

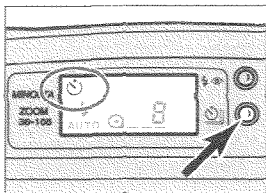




Press the function-mode button until the desired indicator appears in the data panel.

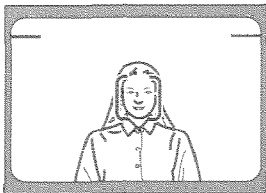
- The mode continues changing as long as the function-mode button is pressed.

SELF-TIMER MODE



The self-timer delays release of the shutter for approximately 10 seconds after you press the shutter-release button.

1. **Place the camera on a tripod, then press the function-mode button until  appears in the data panel.**



2. **Align your subject within the focus frame, then press the shutter-release button all the way down.**