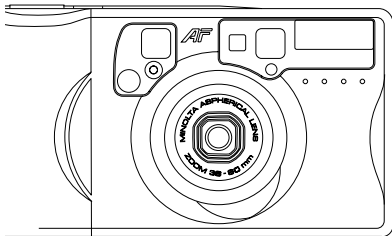


MINOLTA

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ZOOM  
80

E INSTRUCTION MANUAL

Thank you for purchasing this Minolta camera. Before using your new camera, please take the time to read through this instruction manual. It contains important information on the proper use and care of the camera.

## FOR PROPER AND SAFE USE

Read and understand all warnings and cautions before using this product.

### ⚠ WARNING

Using batteries improperly can cause them to leak harmful solutions, overheat, or explode which may damage property or cause personal injury. Do not ignore the following warnings.

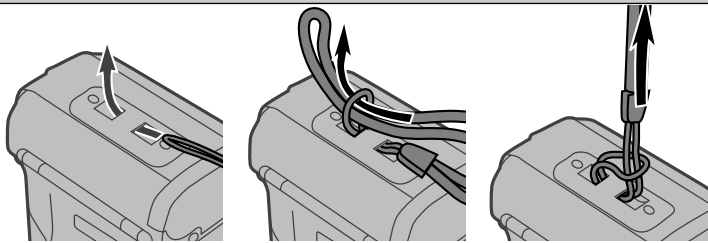
- Only use the batteries specified in this instruction manual.
- Do not install the batteries with the polarity (+/-) reversed.
- Do not use batteries which show wear or damage.
- Do not expose batteries to fire, high temperatures, water, or moisture.
- Do not attempt to recharge, short, or disassemble batteries.
- Do not store batteries near or in metallic products.
- Do not mix batteries of different types, brands, or ages.
- Do not use leaking batteries. If fluid from the batteries enters your eye, immediately rinse the eye with plenty of fresh water and contact a doctor. If fluid from the batteries makes contact with your skin or clothing, wash the area thoroughly with water.
- Tape over battery contacts to avoid short-circuiting during disposal; always follow local regulations for battery disposal.

- Do not disassemble this product. Electric shock may cause injury if a high voltage circuit inside the product is touched.
- Immediately remove the batteries and discontinue use if the camera is dropped or subjected to an impact in which the interior, especially the flash unit, is exposed. The flash has a high voltage circuit which may cause an electric shock resulting in injury. The continued use of a damaged product or part may cause injuries.
- Keep batteries or small parts that could be swallowed away from infants. Contact a doctor immediately if an object is swallowed.
- Store this product out of reach of children. Be careful when around children, not to harm them with the product or parts.
- Do not fire the flash directly into the eyes. It may damage eyesight.
- Do not fire the flash at vehicle operators. It may cause a distraction or temporary blindness which may lead to an accident.
- Do not look directly at the sun or strong light sources through the viewfinder. It may damage your eyesight or cause blindness.
- Do not expose this product to liquids or operate this product with wet hands. If liquid enters the product, immediately remove the batteries and discontinue use. The continued use of a product exposed to liquids may cause damage or injury through fire or electric shock.
- Do not use the product near inflammable gases or liquids such as gasoline, benzine, or paint thinner. Do not use inflammable products such as alcohol, benzine, or paint thinner to clean the product. The use of inflammable cleaners and solvents may cause an explosion or fire.
- If the product emits a strange odor, heat, or smoke, discontinue use. Immediately remove the batteries taking care not to burn yourself, as batteries become hot with use. The continued use of a damaged product or part may cause injuries.
- Take the product to a Minolta Service Facility when repairs are required.

### ⚠ CAUTION

- Do not use or store the product in a hot or humid environment such as the glove compartment or trunk of a car. It may damage the product and batteries which may result in burns or injuries caused by heat, fire, explosion, or leaking battery fluid.
- If batteries are leaking, discontinue use of the product.
- The lens retracts when the camera is turned off or the auto-power-off function is activated. Touching the lens barrel while it is retracting may cause injury.
- Do not fire the flash while it is in contact with people or objects. The flash unit discharges a large amount of energy which may cause burns.

## ATTACHING THE CAMERA STRAP



Minolta Co., Ltd.  
Minolta Europe GmbH  
Reparatur/Repair  
Minolta France S.A.  
Minolta (UK) Limited  
Minolta Austria Ges. m.b.H.  
Minolta Camera Benelux B.V.  
Belgian Branch  
Minolta (Schweiz) AG  
Minolta Svenska AB  
Finnish Branch  
Minolta Portugal Limitada  
Minolta Corporation  
Head Office  
Los Angeles Branch  
Minolta Canada Inc.  
Head Office  
Vancouver Branch  
Minolta Hong Kong Limited  
Minolta Singapore (Pte) Ltd.  
Shanghai Minolta Optical  
Products Co., Ltd.

3-13, 2-Chome, Azuchi-Machi, Chuo-Ku, Osaka 541-8556, Japan  
Minoltaring 11, D-30855 Langenhagen, Germany  
Senator-Helmken-Strasse 1, D-28197 Bremen, Germany  
365 Route de Saint-Germain, F-78420 Carrières-Sur-Seine, France  
7 Tanners Drive, Blakelands, Milton Keynes, MK14 5BU, England  
Amalienstrasse 59-61, A-1131 Wien, Austria  
Zonnebaan 39, P.O. Box 6000, NL-3600 HA Maarssen, The Netherlands  
Prins Boudewijnlaan 1, B-2550 Kontich, Belgium  
Riedstrasse 6, CH-8953 Dietikon, Switzerland  
Albygatan 114, S-171 54 Solna, Sweden  
Nittytätku 6 PL 37, SF-02201 Espoo, Finland  
Av. do Brasil 33-A, P-1700 Lisboa, Portugal

101 Williams Drive, Ramsey, New Jersey 07446, U.S.A.  
11150 Hope Street Cypress, CA 90630, U.S.A.

369 Britannia Road East, Mississauga, Ontario L4Z 2H5, Canada  
230-3771 Jacobs Road, Richmond, B.C. V6V 2L9, Canada  
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10, Teban Gardens Crescent, Singapore 608923

368 Minolta Road, Songjiang, Shanghai, China

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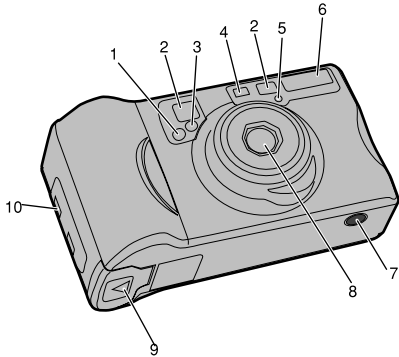
9222-2475-21 AK-A201

## NAMES OF PARTS

\*Keep these surfaces clean. Please read the care and storage section in this manual.

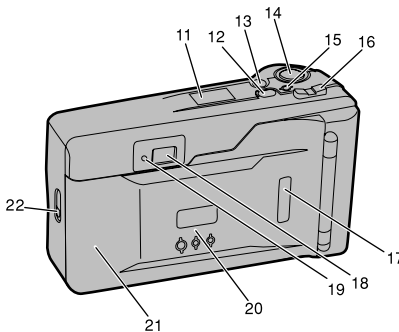
1. Remote-control receiver\*  
(Quartz-date model only)
2. AF windows\*
3. Meter window\*
4. Viewfinder window\*
5. Red-eye reduction/  
Self-timer lamp
6. Flash\*
7. Tripod socket
8. Lens\*
9. Battery-chamber door
10. Strap eyelets

### FRONT



11. Data panel
12. Mode button
13. Main switch
14. Shutter-release button
15. Manual-rewind button
16. Zoom lever
17. Film window
18. Viewfinder\*
19. Indicator lamp
20. Data back  
(Quartz-date model only)
21. Back cover
22. Back-cover release

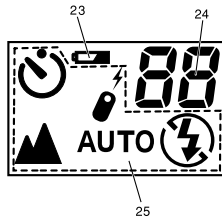
### BACK



23. Low-battery indicator
24. Frame counter
25. Mode indicators:

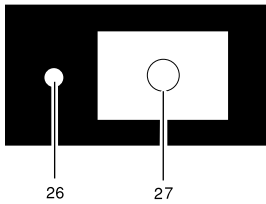
- AUTO ⚡ Autoflash  
⌚ ⚡ Self-timer/Remote control  
(⚡ appears on the quartz-date model only)  
⚡ Fill-flash  
⌚ Flash cancel  
▲ Landscape/Night view

### DATA PANEL



26. Indicator lamp  
Steady: focus confirmed  
Blinks quickly: subject too close  
Blinks slowly: flash charging
- The indicator lamp lights when the shutter-release button pressed partway down.
27. Focus frame

### VIEWFINDER



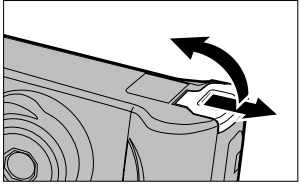
This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation. Changes or modifications not approved by the party responsible for compliance could void the user's authority to operate the equipment. This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC 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 the receiver.
- Connect the equipment to 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.

This Class B digital apparatus meets all requirements of the Canadian Interference-Causing Equipment Regulations.



This mark on your camera certifies that this camera meets the requirements of the EU (European Union) concerning interference causing equipment regulations. CE stands for conformité Européenne (European Conformity).

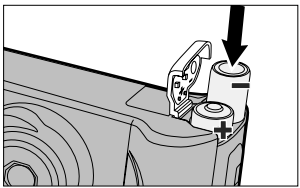
**Step 1****INSERTING THE BATTERIES**

The camera uses two AA-size alkaline batteries to supply power for all camera operations.

- Nickel-cadmium batteries, nickel-metal hydride batteries, and lithium batteries cannot be used.

1. Open the battery-chamber door by sliding it in the direction indicated.

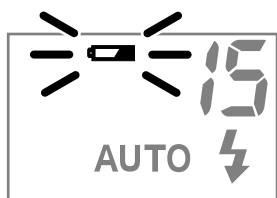
- When replacing the batteries, make sure the camera is off.
- Quartz-date model: the date and time must be reset when the batteries are replaced.



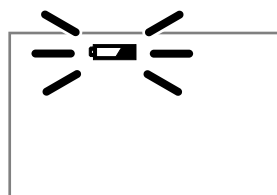
2. Insert the batteries with the polarities as indicated by + and – marks on the back of the battery-chamber door.



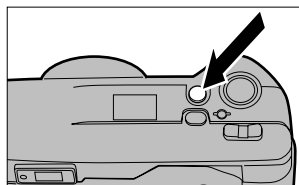
3. Close the battery-chamber door and slide it toward the body to engage the safety catch.

**LOW BATTERY INDICATOR**

If the blinking low-battery indicator appears on the data panel with other indicators, the camera can still operate, but the batteries should be replaced soon.

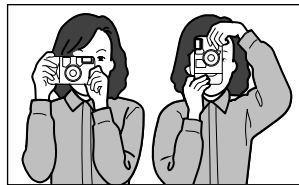


If the blinking low-battery indicator appears alone, the camera is unable to operate due to insufficient power. Replace the batteries.

**Step 3****FULL-AUTO OPERATION**

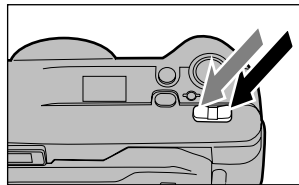
1. Press the main switch to turn the camera on.

- To conserve power, the camera automatically turns off if an operation is not made within eight minutes.



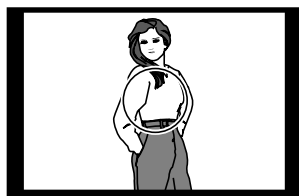
2. Hold the camera steady, making sure your fingers do not cover the flash, lens, or AF windows.

- For vertically framed pictures, turn the camera so the flash is positioned above the lens as illustrated.



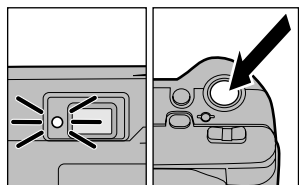
3. Look through the viewfinder and press the T side of the zoom lever to zoom in or the W side to zoom out.

T = telephoto: zoom in  
W = wide-angle: zoom out



4. Place the focus frame on the subject and press the shutter-release button partway down.

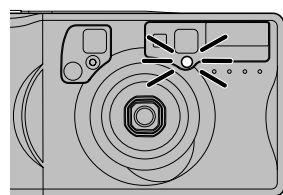
- The subject must be at least 90cm (3 ft.) from the camera.



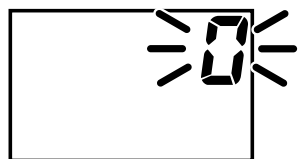
5. When the green indicator lamp glows steadily, press the shutter-release button all the way down to take the picture.

- The flash will automatically fire in low light.
- The film automatically advances to the next frame.

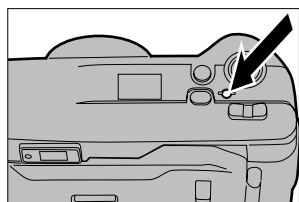
- If the green indicator lamp blinks rapidly, your subject is closer than the minimum focusing distance of 90cm (3 ft.). The shutter will not release.
- If the subject is very close to the camera, the green indicator lamp may glow steadily, but the picture will not be in focus. The shutter can be released.

**RED-EYE REDUCTION**

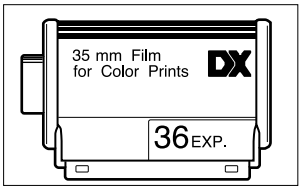
The red-eye reduction lamp automatically activates when the shutter-release button is pressed partway down. The lamp reduces the red-eye effect when photographing people or animals in low-light situations.

**Step 4****REWINDING THE FILM**

The film will rewind automatically after the last frame has been exposed. When zero ( 0 ) is displayed on the data panel frame counter, open the back cover and remove the film.

**MANUAL REWIND**

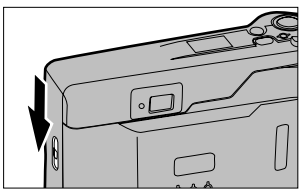
To rewind the film before the end of the roll, turn the camera on and gently press the rewind button.

**Step 2****LOADING THE FILM**

Only use 35mm, DX-coded negative film. ISO 400 is recommended for best results.

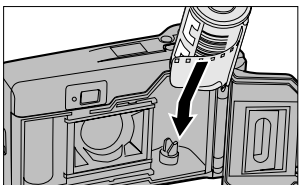
- The use of slide film is not recommended.
- Do not use Polaroid instant 35mm film.

Winding problems may occur.



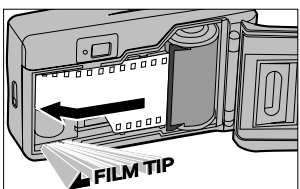
1. Slide the back-cover release down to open the back cover.

- Always load and unload film in subdued light.



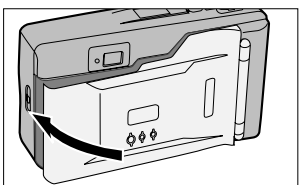
2. Place the film cartridge into the film chamber. Extend the film leader to the "FILM TIP" mark. Make sure the film lays flat.

- If the film tip extends beyond the film tip mark, push the excess film back into the cartridge.

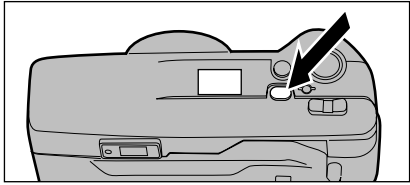


3. Close the back cover.

- The film is automatically loaded into the camera. Wait for the film-transport motor to stop. The frame counter will display the number of frames remaining on the roll.
- If the film has been loaded improperly, the frame counter will display zero ( 0 ). Open the back cover and repeat the loading procedure.

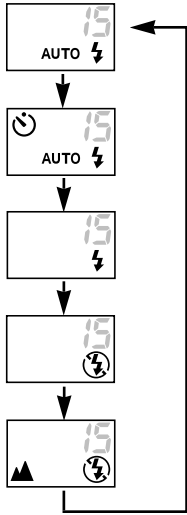


## CHANGING THE CAMERA MODES



The camera has five modes. Press the mode button until the desired indicator is displayed on the data panel.

Each time the mode button is pressed the mode cycles as shown. When the camera is turned off, the mode is reset to autoflash.



## AUTOFLASH



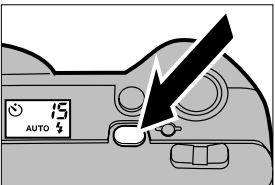
The flash will automatically fire in low light when the shutter is released to take the picture.

The flash range depends on the film speed and focal length in use. To ensure proper exposure, the subject must be within the flash range.

Focal length	38mm	80mm
Film speed	W(ide-angle)	T(elephoto)
ISO 100	0.9 - 3.5m 3.0 - 11.5ft.	0.9 - 2.0m 3.0 - 6.6ft.
ISO 400	0.9 - 7.0m 3.0 - 23.0ft.	0.9 - 4.0m 3.0 - 13.1ft.

• Flash ranges apply to color negative film only.

## SELF-TIMER

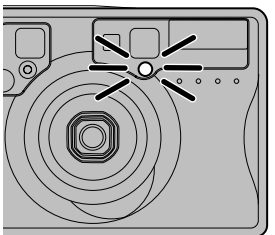


The self-timer delays release of the shutter for approximately 10 seconds after the shutter-release button is pressed.

1. Place the camera on a tripod. Press the mode button until the self-timer indicator (⌚) is displayed on the data panel.

2. Place the focus frame on the subject. Press the shutter-release button all the way down to start the countdown.

- The self-timer indicator on the data panel and the self-timer lamp will blink during the countdown. The self-timer lamp glows steadily just before the shutter releases.
- Self-timer is automatically canceled after the shutter is released.
- To stop the self-timer, press the mode button. To cancel the self-timer and reset the camera, press the main switch.

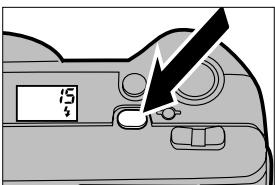


## FILL-FLASH



The flash fires with each exposure regardless of the amount of ambient light. Fill-flash can be used to reduce harsh shadows caused by strong direct light or sunshine.

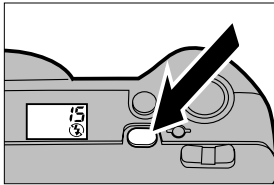
Press the mode button until the fill-flash indicator (⚡) is displayed on the data panel. Take the picture as described in the full-auto operation section.



## FLASH CANCEL



The flash will not fire. Use flash cancel when flash photography is prohibited, natural light is desired to illuminate the subject, or the subject is beyond the flash range.



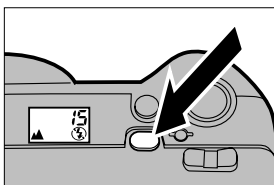
Press the mode button until flash-cancel indicator (⊗) is displayed on the data panel. Take the picture as described in the full-auto operation section.

- Shutter speeds may be slow. The use of a tripod is recommended.

## LANDSCAPE/ NIGHT VIEW



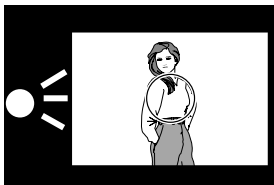
The flash will not fire in this mode and the focus is set to infinity. Landscape/night view is used for photographing outdoor scenery during the day or at night.



Press the mode button until landscape/night-view indicator (▲) is displayed on the data panel. Take the picture as described in the full-auto operation section.

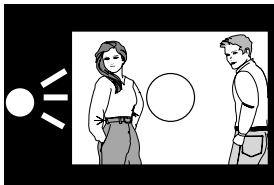
- Shutter speeds may be slow. The use of a tripod is recommended.
- Always use this mode when photographing landscapes through windows.

## FOCUS LOCK



Focus lock is used when you want to compose the image with the subject off-center and outside the focus frame.

1. Place the focus frame on the subject and press the shutter-release button partway down until the green indicator lamp glows steadily.



2. Without lifting your finger, recompose the picture. Press the shutter-release button all the way down to take the picture.

- Focus lock is canceled when the shutter button is released.

## SPECIAL FOCUSING SITUATIONS



The camera may not be able to focus in certain situations. In these situations, the focus-lock function can be used to focus on an object at the same distance as the main subject, and then the image can be recomposed to take the picture.

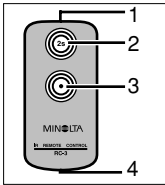


The autofocus system may not be able to focus on the the following:

- Bright light sources such as neon lights.
- Highly reflective surfaces such as water or mirrors.
- Flames or fireworks.
- Dark objects and surfaces with low reflectance.
- Objects behind glass, bars, or other partitions.
- Objects smaller than the focus frame.

REMOTE CONTROL

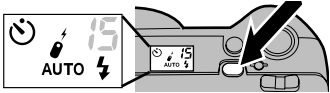
(SOLD SEPARATELY)  
For the Quartz-date Model only



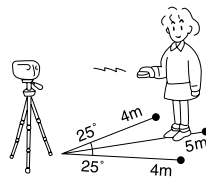
- 1. Emitter window
- 2. Delay button
- 3. Release button
- 4. Battery chamber

The optional IR Remote Control RC-3 allows remote camera operation from up to 5 meters (16.4 ft.) away.

- The remote control may not operate under fluorescent lighting or with backlit subjects.
- To save power, the camera automatically shuts down if the remote control is not used within eight minutes.



1. Press the mode button until the remote-control indicator ( ) is displayed on the data panel.

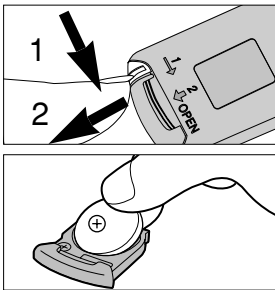


2. Point the remote control toward the front of the camera and press either the release or delay button.

- Release button: the remote-control lamp on the camera blinks once before the picture is taken.
- Delay button: The remote-control lamp on the camera blinks twice before the picture is taken.

- Remote control mode will remain in effect after the picture is taken. To cancel the mode, turn off the camera or use the mode button to change the mode.

CHANGING THE BATTERY



The remote control uses one CR2032 lithium battery.

1. Pull out the battery chamber and remove the old battery.
2. Insert a new battery into the chamber with its positive pole (+) up. Slide the chamber back into the remote control.

CARE AND STORAGE

OPERATING TEMPERATURE AND CONDITIONS

This camera is designed for use from -10° to 40 °C (14 to 104 °F).

- Never leave your camera where it may be subjected to extreme temperatures such as in the glove compartment of a car.
- At colder temperatures, the data panel response time will be slow. At higher temperatures, the display will temporarily darken, but will be restored when the temperature normalizes.
- Never subject the camera to extreme humidity.
- To prevent condensation from forming, place the camera in a sealed plastic bag when bringing it from a cold environment into a warm one. Allow it to come to room temperature before removing it from the bag.
- When photographing in cold weather, it is recommend that you keep the camera and spare batteries inside your coat to keep them warm when you are not shooting. Cold batteries will regain some of their charge when they warm up.
- This camera is not waterproof, dust-proof, or sand-proof. If you use this camera near water or the beach, water, dust, or sand damage may occur. Protect the camera at all times from moisture or splashes, especially saltwater spray. Be extremely careful to keep sand from both the interior and exterior of the camera and its accessories.

CLEANING

- Keep the AF windows clean to ensure accurate focusing.
- If the camera body is dirty, gently wipe it clean with a soft, clean, dry cloth.
- To clean the lens surface, first brush away any dust or sand. Then, if necessary, moisten a lens tissue with lens cleaning fluid and gently wipe the lens in a circular motion, starting from the center.
- Never place lens fluid directly on the lens.
- Never touch the lens surface with your fingers.
- Never use alcohol or solvents to clean the camera.

STORAGE

When storing the camera for extended periods, please follow these guidelines:

- Store the camera in a cool, dry, well-ventilated area away from dust and chemicals. For very long periods, place the camera in an airtight container with a silica gel drying agent.
- Before using after prolonged storage, always check the camera's operation to make sure it is functioning properly.

BEFORE IMPORTANT EVENTS

- Check camera operation carefully or take test photographs.
- Minolta is not responsible for any loss which may occur due to an equipment malfunction.

QUESTIONS AND SERVICE

- If you have questions about your camera, contact your local camera dealer or write to the Minolta distributor in your area.
- Before shipping your camera for repair, please contact an authorized Minolta Service Facility for details.

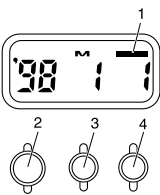
CAMERA ERROR

If all the indicators on the data panel blink, or the data panel is blank and the camera will not function with fresh batteries, remove and reinsert the batteries. If normal operation does not resume, or the camera malfunctions repeatedly, contact an authorized Minolta Service Facility.

FOR OWNERS OF THE QUARTZ-DATE MODEL

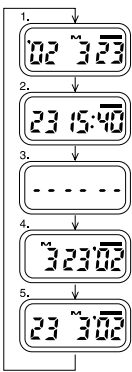
This feature enables you to record the date or time onto the lower-right portion of the picture. The camera has an automatic calendar through the year 2049.

- Imprinted data may be difficult to read if the area over which it is superimposed is bright or non-uniform.
- Do not use the data back when temperatures fall outside the operating range of 0° to 40°C (32° to 104°F).



Name of parts

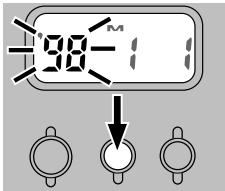
1. Print indicator
2. Mode button
3. Select button
4. Adjust button



Imprinting mode selection

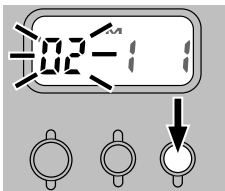
Press the mode button to choose the data imprinting format.

1. Year, Month, Day
2. Day, Time (24-hour clock)
3. No imprinting
4. Month, Day, Year
5. Day, Month, Year



Setting the date and time

1. Press the select button until the item to be adjusted blinks.
- The select button cycles to the next item of the calendar and clock every time it is pressed.



2. Press the adjust button to change the blinking item.
- Data will continue to change as long as the button is held down.

3. Repeat steps 1 and 2 until all items on the calendar and clock are correct.
- When the colon is blinking, press the adjust button to reset the seconds to 00.

4. After the calendar and clock are set, press the select button until the print indicator is displayed.

- The date and time must be reset each time the camera batteries are replaced.

TECHNICAL SPECIFICATIONS

<b>Camera Type:</b>	35mm lens-shutter camera
<b>Lens:</b>	38-80mm f/6.0 - 12 lens 5 elements in 5 groups
<b>Viewfinder:</b>	Magnification: 0.33X - 0.69X Field of View : 80% or larger at 3m (9.8ft.) Eye-relief: 13.3mm from the eyepiece 12.5mm from the eyepiece frame
<b>Focusing Range:</b>	(W): 0.9m - ∞ (3.0ft.. - ∞) (T): 0.9m - ∞ (3.0ft.. - ∞)
<b>Film Speed:</b>	Settings Automatic for DX-coded negative film Non-DX coded film set to ISO100. Range ISO 100/200 or 400
<b>Metering Range (ISO 100):</b>	Wide: Ev 6 - 16 Tele: Ev 8 - 16
<b>Shutter Speed:</b>	1/1.7 - 1/430 s.
<b>Battery:</b>	Two AA alkaline batteries Battery performance: approx. 16 rolls based on Minolta's standard test method using 24 exposure rolls with flash for 50% of the exposures.
<b>Dimensions(WxHxD):</b>	Standard model: 110 x 60 x 46.5mm (4.3x2.4x1.8in) Quartz-date model: 110 x 60 x 51mm (4.3x2.4x2.0in)
<b>Weight:</b>	Standard model: 155g (5.5oz.) without batteries Quartz-date model: 165g (5.8oz.) without batteries

Specifications are based on the latest information available at the time of printing and are subject to change without notice.