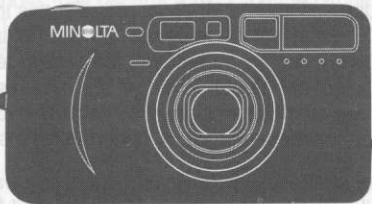




MINOLTA

RIVA™
ZOOM **150**

FREEDOM
ZOOM **150**



E INSTRUCTION MANUAL

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



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 to avoid short-circuit when disposing of batteries, and follow local regulations for battery disposal.

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

Immediately remove the batteries and discontinue use if...


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

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



CAUTION

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.



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It'll make you feel better, won't it?

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PayPal Name Lynn@butkus.org

Venmo @mike-butkus-camera Ph. 2083

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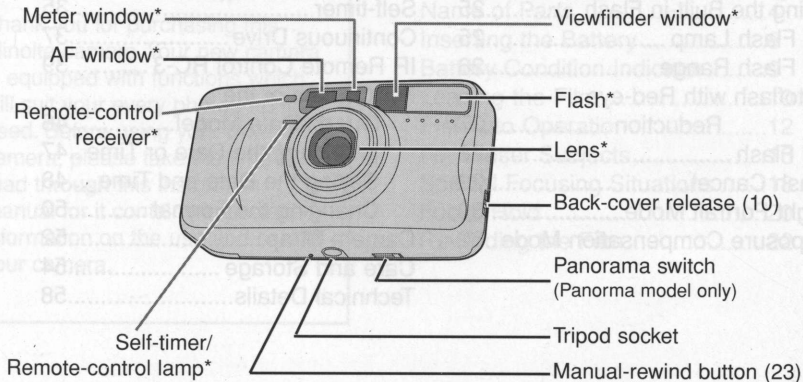
Thank you for purchasing this Minolta camera. Your new camera is equipped with functions which will suit your every photographic need. Before using your new camera, please take the time to read through this instruction manual for it contains important information on the use and care of your camera.

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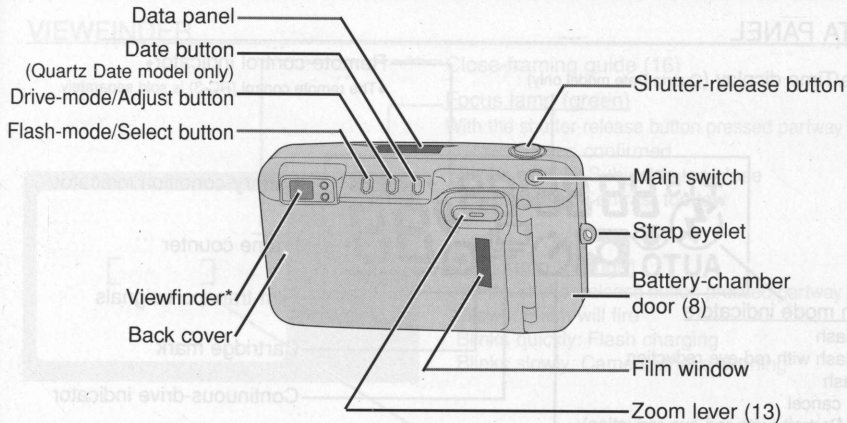
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Flash Lamp	25	Continuous Drive	37
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NAME OF PARTS

BODY



* Do not touch



For information on specific parts, refer to the page numbers shown in parenthesis.

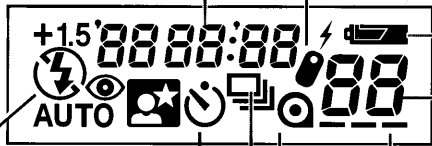
Continued on next page.

DATA PANEL

Date/Time display (Quartz Date model only)

Remote-control indicator ◆

◆The remote control (RC-3) is sold separately.



Battery-condition indicator

Frame counter

Film-transport signals

Cartridge mark

Continuous-drive indicator

Self-timer indicator

Flash mode indicators

Autoflash

Autoflash with red-eye reduction

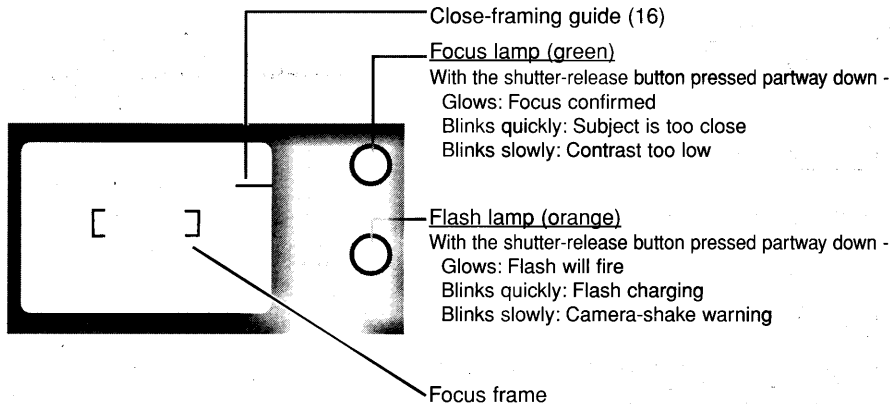
Fill-flash

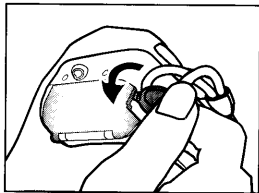
Flash cancel

Night Portrait (with red-eye reduction)

Exposure Compensation

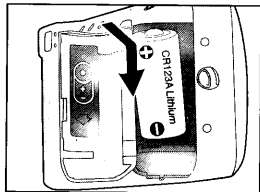
VIEWFINDER





Your camera uses one 3-volt CR123A or DL123A lithium battery to supply power for all camera operations.

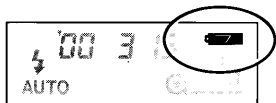
1. Open the battery-chamber door using the bigger key included on the strap.



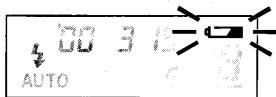
2. Insert the battery according the + and - marks inside the battery chamber, then snap the door closed.

- Quartz Date model: The date and time must be reset (p. 48).

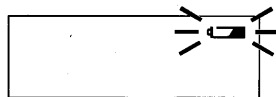
Each time the camera is turned on, a symbol will appear in the data panel to indicate the power status of the battery.



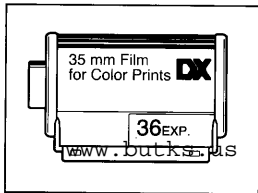
Briefly appears. Power is sufficient for all camera operations.



Power is sufficient, but the battery must be replaced soon.

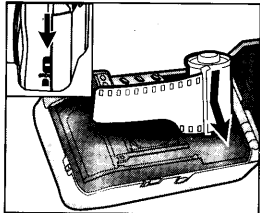


Replace the battery. The shutter will lock until the battery is replaced.



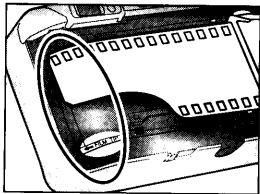
Use only 35mm, DX-coded film rated ISO 25 to 3200.

- 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.

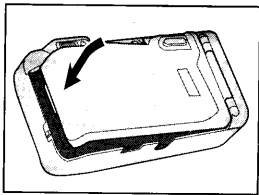
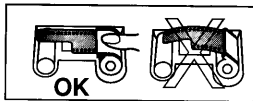


1. Slide the back-cover release down to open the back cover, then place the film cartridge into the film chamber.

- Once the film is loaded, the back cover will lock until the film rewinding is complete, preventing accidental opening. If the release lever is slid to the open position, "CLOSED" will appear in the data panel.



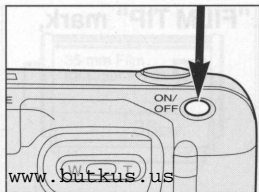
2. Extend the film tip to the "FILM TIP" mark, making sure it lays flat.



3. Close the back cover.

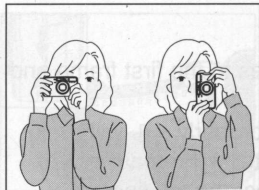
- The film automatically advances to the first frame and **0_1** appears in the data panel.
- If the film has been loaded improperly, **0** will blink in the data panel and the shutter will remain locked. Open the back cover and repeat the loading procedure.

FULL-AUTO OPERATION



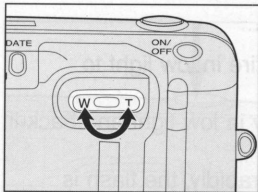
1. Press the main switch to turn the camera on.

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

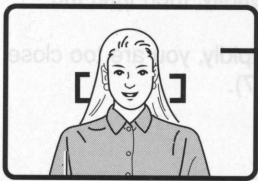


2. Hold the camera steady, making sure your fingers do not cover the flash, lens, or AF window.

- For vertically framed pictures, hold the camera so the flash is on top.
- Dots under the flash function as a guide to prevent accidental shielding of the flash with a finger.
- Do not obstruct or hold the camera using the lens barrel.



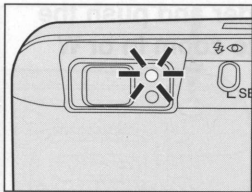
3. Look through the viewfinder and push the zoom lever T (telephoto) to zoom in or W (wide angle) to zoom out.



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

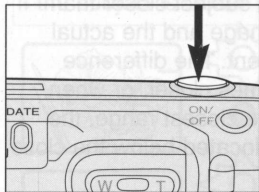


FULL-AUTO OPERATION



(4. continued from page 13).

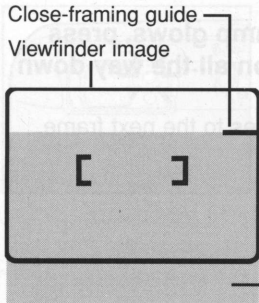
- The AF illuminator (flash) will fire in low light to determine focus distance.
- The flash will fire automatically in low-light and back-lit situations.
- When the orange lamp blinks rapidly, the flash is charging. Wait until it glows steadily, then take the picture.
- When the green lamp blinks rapidly, you are too close to the subject. (See page 16-17).



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

- The film automatically advances to the next frame.

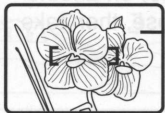
FOR CLOSER SUBJECTS



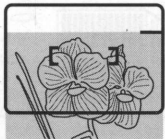
When taking a picture with the subject closer than 1.7m (5.6 ft.), the viewfinder image and the actual film image is going to be different. The difference increases as the subject becomes closer, or when taking telephoto pictures. At the closest range, the top of the actual film image is located below the close framing guide.

- When taking pictures at extremely close distances, the green focus lamp may blink slowly, but the focus may not be accurate.
- If the green focus lamp blinks rapidly and the shutter locks, the subject is too close. Be sure your camera-to-subject distance is at least 60 cm (2.0 ft)(W), 85 cm (2.8 ft.)(T).

If the subject is closer than 1.7m (5.6 ft.), take the following steps.



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

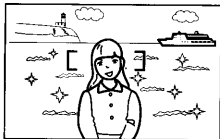


2. While pressing the shutter-release button partway down, aim the camera upward. Recompose the subject under the close-framing guide and take the picture.



Actual
print

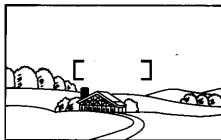
Some scenes or subjects, like the examples below, are difficult for the autofocus system to lock on to. When the focus will not lock, focus hold (p. 20) on another object the same distance from you as your main subject, recompose, then take the picture.



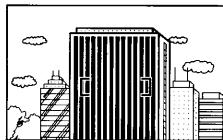
When your subject is near a very bright object or area.



When two subjects overlap in the focus frame.



When a very bright or low contrast area fills the focus frame.



When a subject composed of alternating light and dark lines fills the focus frame.

The green focus lamp will blink slowly to warn you that focus may not be accurate. Focus will be set to infinity without flash and between 3 - 6m (9.9 - 19.8 ft.) with flash.

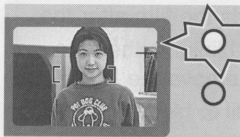
FOCUS HOLD



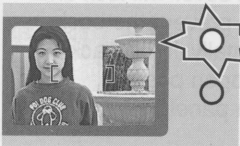
Subjects outside the focus frame may not be in focus. Use focus hold to ensure accurate focusing.



1. Place the focus frame on your subject.

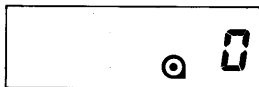



2. Press and hold the shutter-release button partway down until the green focus lamp glows.




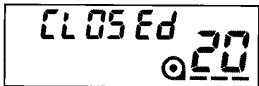
3. Without lifting your finger, recompose the picture and press the shutter-release button all the way down to take the picture.

- Lift your finger from the shutter-release button to cancel focus hold.



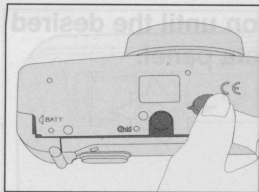
Your camera automatically rewinds the film after the last exposure is taken. When  blinks in the data panel, open the back cover and remove the film.

- Do not open the back cover until  blinks in the data panel. Never use force.



Once the film is loaded, the back cover will lock until the film rewinding is complete, to prevent the back cover from being opened accidentally. If the back cover release lever is slid to the open position, "CLOSEd" will appear in the data panel.

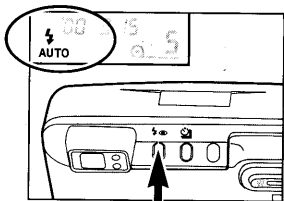
If rewind stops before the film has been completely rewound, all the indicators will blink. Insert a fresh battery, then press the manual-rewind button.



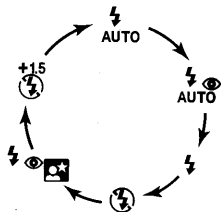
MANUAL REWIND

To begin rewind before the end of the roll, turn the camera on and press the manual-rewind button using the smaller button key on the strap.

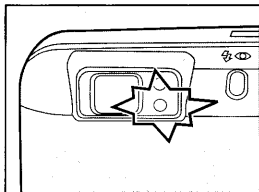




Press the flash-mode button until the desired indicator appears in the data panel.



Autoflash ⚡_{AUTO} , autoflash with red-eye reduction $\text{⚡}_{\text{AUTO}} \text{👁}$, fill flash ⚡ , flash cancel $\text{⚡} \text{🚫}$, night portrait $\text{⚡} \text{👁} \text{📷}$, and exposure compensation mode $\text{+1.5} \text{👁}$ can be selected.



FLASH LAMP (ORANGE)

The orange flash lamp comes on when the shutter-release button is pressed partway down.

- The flash lamp will glow when the built-in flash is ready.
- When the orange flash lamp blinks rapidly, the flash is charging. Wait until it glows steadily, then take the picture.

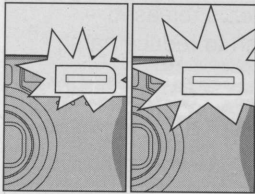
When you turn the camera on, the built in flash is automatically set to autoflash or autoflash with red-eye reduction, whichever was used last. In these modes, the flash will fire automatically in low-light and back-lit situations.

	ISO 100	ISO 400
37.5mm	0.6 - 4.6m 2.0 - 15.2 ft.	0.6 - 9.2m 2.0 - 30.4 ft.
150mm	0.85 - 2.0m 2.8 - 6.6 ft.	0.85- 4.0m 2.8 - 13.2 ft.

FLASH RANGE

The range of the built-in flash depends on the film speed and focal length you are using. To ensure proper exposure, make sure your subject is positioned within the flash range.

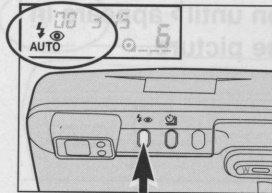
AUTOFLASH WITH RED-EYE REDUCTION



Pre-flash

Main Flash

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. The flash will fire a few short bursts before the main flash burst to reduce the red-eye effect.



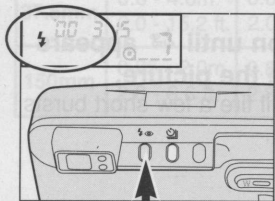
Press the flash-mode button until  appears in the data panel, then take the picture.

- Warn your subject the flash will fire a few short bursts just before the picture is taken.

FILL FLASH



The flash will fire when the shutter is released regardless of lighting. Use fill flash to reduce harsh shadows on your subject's face.

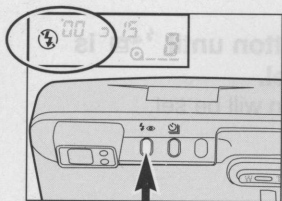



Press the flash-mode button until ⚡ appears in the data panel, then take the picture.



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

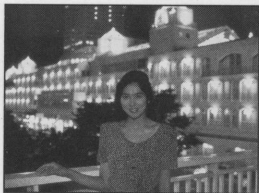
tripod is recommended and by
subjects not to move.



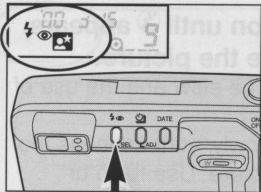
Press the flash-mode button until  appears in the data panel, then take the picture.


- Shutter speed will most likely be slow and the use of a tripod is recommended.
- When the flash lamp blinks slowly, your scene is too dark for a sharp hand-held picture. Use flash or place the camera on a tripod.

NIGHT PORTRAIT MODE

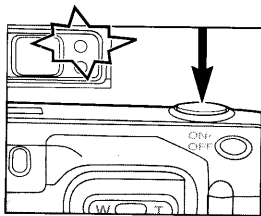


In night portrait mode, the camera balances the flash and existing light exposure so you can take beautiful pictures of people at sunset or at night.



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

- Fill flash with red-eye reduction will be set.



2. Place the focus frame on the subject, then take the picture.

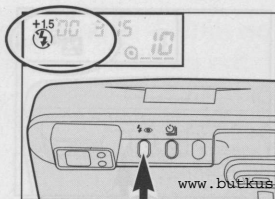
- The shutter speed will most likely be slow. Use of a tripod is recommended and be sure to tell your subjects not to move.


EXPOSURE COMPENSATION MODE



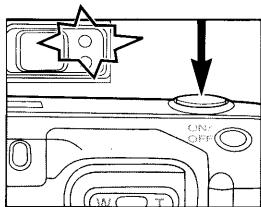
Exposure Compensation is recommended when you are photographing snow scenes, beach scenes, back-lit or spot-lit subjects, or scenes with a large amount of sky. Exposure compensation will increase the exposure by 1.5 EV (stops).

- Flash will not fire.



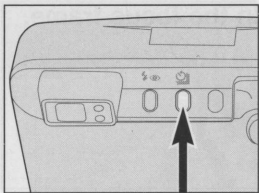
1. Press the flash-mode button until  appears in the data panel.




- When the shutter speed is slow, the orange lamp beside the viewfinder will blink slowly, warning you about camera shake.



2. Align your subject within the focus frame, then take the picture.

SELECTING ADDITIONAL FEATURES

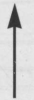
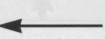


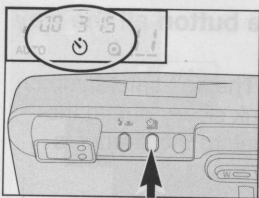
You can select the self-timer , continuous drive , or remote control  mode.

Press the drive-mode button until the desired symbol appears in the data panel.


- When you turn the camera on, the camera is automatically set to the normal operating mode.

Normal
setting





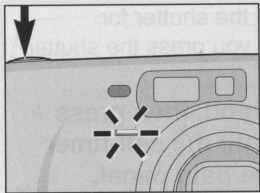
The self-timer delays release of the shutter for approximately 10 seconds after you press the shutter-release button.

1. Place the camera on a tripod, then press the drive-mode button until the self-timer symbol  appears in the data panel.





2. Place the focus frame on your subject.

SELF-TIMER (CONTINUED)



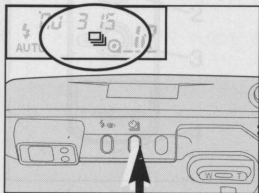
3. Press the shutter-release button all the way down.


-  will blink in the data panel. The self-timer lamp on the front of the camera will blink slowly during the countdown, then rapidly just before the shutter is released.

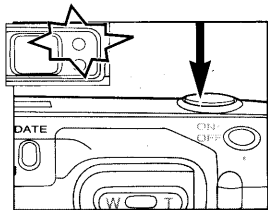
- To cancel the self-timer, press the drive-mode button again or turn the camera off.
- Self-timer is automatically cancelled after the shutter is released.
-  The camera locks focus on the subject when the shutter-release button is pressed. Focus hold can be used (p. 20).



In this mode, the camera continuously takes pictures and advances the film as long as the shutter-release button is held down.



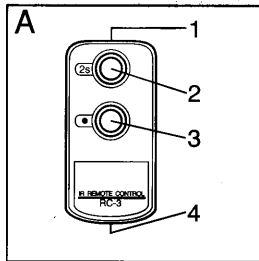
- 1. Press the drive-mode button until the continuous mode symbol  appears in the data panel.**



2. Press and hold the shutter-release button all the way down.

- Without flash, the shutter will release every 1.8 seconds; with flash, the shutter will release when the flash is charged.
- Continuous drive mode remains selected after the series is complete.

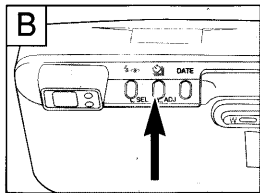
Your camera comes equipped to use the IR Remote Control RC-3 (sold separately). The IR Remote Control RC-3 allows remote camera operation up to 5 meters (16.5 feet) away. Before using the remote control, please read the instructions thoroughly.




NAMES OF PARTS (A)

1. Emitter window
2. Delay button
3. Release button
4. Battery cover

TAKING THE PICTURE



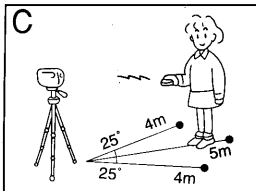
1. Place the camera on a tripod, press the drive-mode button until  appears in the data panel (B).

- If your camera has Panorama function and you will be taking a panorama photo, be sure to select the panorama mode before placing on a tripod.

2. Place the focus frame on your subject.



TAKING THE PICTURE



3. Point the remote control toward the front of the camera and press either the release button or the delay button (C).

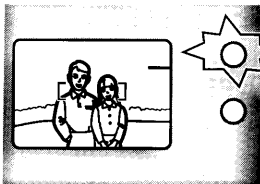
- If the release button (•) is pressed, the self-timer/remote-control lamp on the front of the camera will blink once before the picture is taken.
If the delay button (2s) is pressed, the self-timer/remote-control lamp on the front of the camera will blink for two seconds before the picture is taken.

- To save power, the camera automatically shuts down and the lens retracts if the shutter is not released in approximately 8 min.
- The distance may be shorter or the remote control may not operate with backlit subjects, under fluorescent light, or in extremely bright lighting conditions.

CANCELLATION

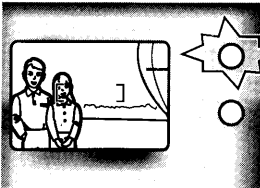
The remote control mode will remain selected after the picture has been taken. Press the drive-mode button to delete the remote-control icon, or turn the camera off.

FOCUS HOLD IN REMOTE CONTROL MODE



When your subject is not in the center of the picture, use focus hold (p20 in the camera manual)

1. Select remote-control mode on the camera.



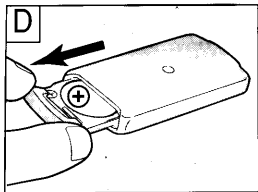
2. Center the focus frame on your subject, adjust zoom as desired, then press and hold the camera's shutter-release button partway down until the green focus lamp glows.

3. Lift your finger from the shutter-release button, then recompose the picture.

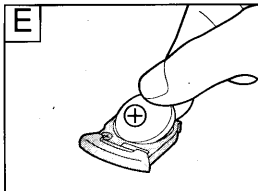
4. Point the remote control toward the front of the camera, press either the Release button (•) or Delay button (2s).

- After the picture has been taken, focus will remain locked. To cancel focus hold, turn the camera off, or operate the zoom lever.

CHANGING THE BATTERY



The remote control uses a 3V lithium battery (CR2032). When pressing the remote-control buttons does not release the shutter, the battery must be replaced. (The supplied battery should be sufficient for approximately ten years of operation).

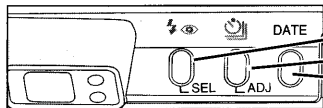


1. Pull out the battery chamber and remove the old battery (D).
2. Insert a new battery into the battery chamber with its plus side up (E).
3. Slide the battery chamber back into the remote control.

This feature enables you to record the date or time onto the lower-right portion of the picture. The automatic calendar is through the year 2029.

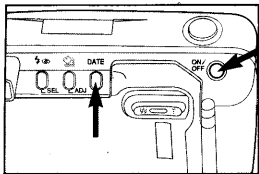
- The date is recorded as the film is advanced to the next frame. Sometimes the last frame of the roll will not have a date imprint.

BUTTONS FOR DATE FUNCTION



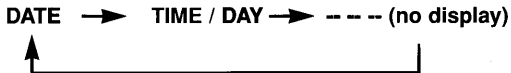
1. SEL (Select) button.
2. ADJ (Adjust) button.
3. DATE button.

IMPRINTING THE DATE OR TIME



Turn the camera on, then press the DATE button to choose the data imprinting format.

- The display will change as follows.

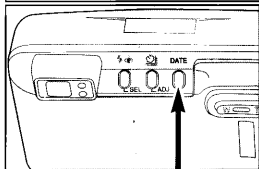


- When --- is displayed in the data panel, no data will be printed.
- If the date-time display is blinking, date/time information will not be imprinted. The date/time information needs to be reset (see page 48).

Continued on next page.

SETTING THE DATE OR TIME

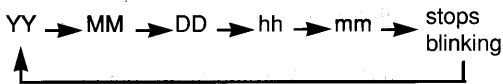
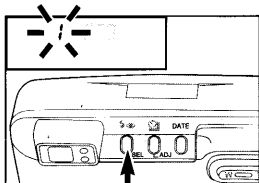
Note: The date and time must be reset each time the batteries are replaced.

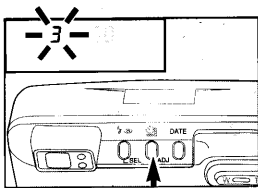


1. Turn the camera off, then press the DATE button to display the date.

2. Press the SEL button until the item you want to adjust blinks.

- Each press of the select button causes the next item to blink. The sequence is:

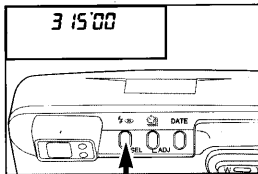




3. Press the ADJ button to change the blinking item.

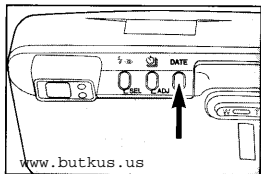
- Data continues changing as long as the button is held down

4. Repeat steps 2 and 3 until all items in the date and time display are correct.

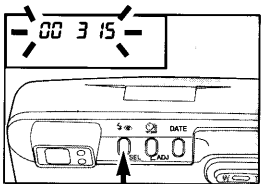


5. Press the SEL button until all items stop blinking to set the updated information.

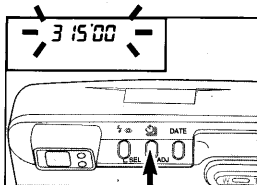
CHANGING THE FORMAT



1. Press the main switch to turn the camera off.
2. Press the DATE button to display the date.



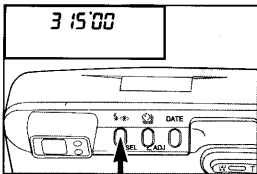
3. Press and hold the SEL button until all items in the date display blink.



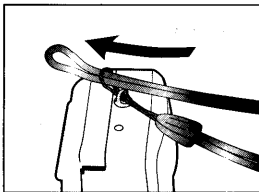
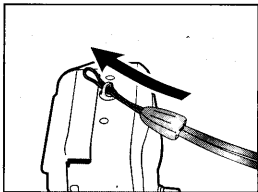
4. Press the ADJ button to change the display format.

- The format sequences as follows:

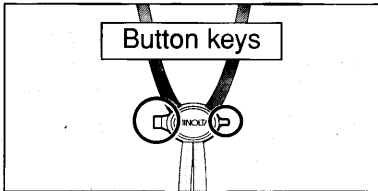
'Y M D → M D`Y → D M`Y



5. Press the SEL button until all items stop blinking to set the updated information.



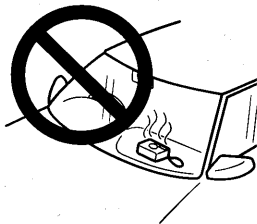
Attach the strap as shown.



- **Button keys are included on the strap. Use the bigger key to turn the battery chamber lock, smaller key to push the manual-rewind button.**

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 restore when the temperature normalizes.

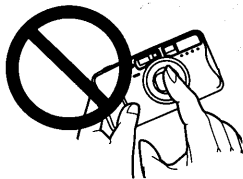


Never subject the camera to extreme humidity.

- To prevent condensation from forming, place the camera in a sealed plastic bag when bringing it from a cold environment into a warm environment. 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, dustproof, or sand-proof. If you use this camera near water or the beach, water-, dust-, or sand-damage may occur. Protect it at all times from moisture or splashes, especially saltwater spray, and be extremely careful to keep sand from both the interior and exterior of the camera and its accessories.

CLEANING

- Keep the AF window clean or the focus may not be accurate.
- 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.



Continued on next page.

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

- Camera Type:** 35mm lens-shutter camera
- Lens:** 37.5-150mm f/5.4 - 11.9 lens
6 element/6 group construction
- Focusing Range:**(W): 0.6m - ∞ (2.0 ft. - ∞)
(T): 0.85 - ∞ (2.8 ft. - ∞)
- ISO Range:** Your camera uses 35mm, DX-coded film rated ISO 25 to 3200.
- Metering Range**
- (ISO 100):** Wide: EV 3 - 17
Tele: EV 4 - 17
- Flash Range**
- (ISO 100):** Wide: 0.6 - 4.6m (2.0 - 15.2 ft.)
Tele: 0.85 - 2.0m (2.8 - 6.6 ft.)

- Battery:** One 3-volt CR123A lithium battery
Battery-condition indication: 3-stage indication
Battery performance: approx. 12 rolls based on Minolta's standard test method using 24 exposure rolls with flash for 50% of the exposures.
- Viewfinder:** Magnification: 0.4X - 1.42X
Field of View : 86% (subject at 3m)
Eye-relief: 15.9mm from the viewfinder frame
- Dimensions:** 112 x 60 x 44 mm
5.1 x 2.7 x 2.0 in
- Weight:** 190g (6.7 oz.) without battery

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