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</table>
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.
Camera Body

- Function-mode button
- Data panel
- AF windows*
- Shutter-release button
- Flash-mode button
- Meter window*
- Self-timer/Red-eye reduction lamp
- Viewfinder window*
- Flash*
- Lens*
- Back-cover release
Data Panel

- Double-exposure indicator
- Continuous-drive indicator
- Portrait-mode indicator
- Self-timer indicator
- Bulb-mode indicator
- Landscape/Night View indicator
- Low-battery symbol
- Flash-mode indicators
- Interval-mode indicator
- Frame counter/Focal-length/Bulb-exposure/Interval display
- Cartridge mark
- Film-transport signals
Viewfinder

Close-framing guides

Focus frame

Focus lamp (green)
- Glows: Focus confirmed
- Blinks: Subject too close

Flash lamp (orange)
- Glows: Flash will fire
- Blinks quickly: Flash charging (shutter locked)
- Blinks slowly: Camera shake warning
Attach the strap as shown.
DIOPTER 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.
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.
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).
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 halfway 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 0 appears and 0 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.

<table>
<thead>
<tr>
<th>ISO</th>
<th>38mm</th>
<th>105mm</th>
</tr>
</thead>
<tbody>
<tr>
<td>100</td>
<td>1.0 - 5.0m</td>
<td>1.0 - 2.0m</td>
</tr>
<tr>
<td></td>
<td>3.3 - 16.4 ft.</td>
<td>3.3 - 6.6 ft.</td>
</tr>
<tr>
<td>200</td>
<td>1.0 - 7.1m</td>
<td>1.0 - 2.8m</td>
</tr>
<tr>
<td></td>
<td>3.3 - 23.2 ft.</td>
<td>3.3 - 9.3 ft.</td>
</tr>
<tr>
<td>400</td>
<td>1.0 - 10.0m</td>
<td>1.0 - 4.0m</td>
</tr>
<tr>
<td></td>
<td>3.3 - 32.8 ft.</td>
<td>3.3 - 13.1 ft.</td>
</tr>
</tbody>
</table>

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

When the orange flash lamp blinks quickly and \( \square \) 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 \( \text{AUTO} \) (p.21), autoflash with red-eye reduction \( \text{AUTO} \) (p.24), fill flash \( \text{\ } \) (p.26), or flash cancel \( \text{\ } \) (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.
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 AUTO 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 partly down.**
   - The red-eye reduction lamp will glow.
3. Press the shutter-release button all the way down to take the picture.
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 ③ 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 lets you access various camera operation modes. Each mode customizes the camera for a particular type of photography. The sequence is as follows.

- Self-timer mode
- Portrait mode
- Continuous-drive mode
- Double-exposure mode
- Bulb mode
- Landscape/Night View mode
- Interval mode

The camera returns to the automatic operation.

- Flash is set to the last selected mode.
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.
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.
- ☑ will start blinking in the data panel. The self-timer lamp will illuminate, then blink for three seconds before the shutter is released.
- To stop the self-timer, press the function-mode button again. Cancel the self-timer operation by turning the camera off or pressing the function-mode button until ☑ disappears from the data panel.
- Do not press the shutter-release button while standing in front of the camera.
- Self-timer mode is automatically cancelled after the shutter is released.
In Portrait mode, the lens automatically zooms to provide suitable framing for portraits when the shutter-release button is pressed partway down. The recommended subject-to-camera distance is 1.6-4.3m (5.2-14.1 ft.).

- Focal length can not be manually selected in this mode.

1. 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 partway down so the green focus lamp glows.

- The lens will automatically zoom to the appropriate focal length.

3. Wait for the lens to zoom, then press the shutter-release button all the way down.

- Portrait mode remains selected after taking the picture.
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 function-mode button until 📷 appears in the data panel.
2. Align your subject within the focus frame, then press and hold the shutter-release button.
   - Without flash, the shutter rate will be approximately 1 frame/second.
   - With flash, the shutter will release when the flash is charged. * blinks in the data panel when the flash is charging.
   - Continuous-drive mode remains selected after the series is complete.
Double-exposure mode lets you overlap two images on the same frame.
- For best results, use a dark background.
- Tell your photofinisher there are double-exposure frames on the film. Some photofinishers may not automatically print double-exposure frames.

1. 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 to take the first picture.

- will continue blinking in the data panel until you take the second exposure.
- Double-exposure mode can not be cancelled after the first exposure is taken. This allows you to select any function mode or flash mode for the second shot and even turn the camera off between the two shots.
3. Take the second shot.
   • Double-exposure mode is automatically cancelled after the second shot.
   • For owners of quartz date model, date or time will be only imprinted on the second exposure.
In this mode, the shutter will remain open, up to 60 seconds, as long as the shutter-release button is pressed. Use Bulb mode to make long exposures.

- To avoid overexposure, use this mode only in low light.

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

2. Align your subject within the focus frame, then press the shutter-release button partway down so the green focus lamp glows.
   • The orange flash lamp will blink slowly to warn of camera shake.
3. Press and hold the shutter-release button all the way down.

- BULB will blink and the exposure time will count up in the data panel while the shutter is open.
- As long as the shutter-release button is depressed, the shutter will remain open.
- Bulb mode is automatically cancelled after the exposure is taken.
LANDSCAPE/NIGHT VIEW MODE

In this mode, focus is set to infinity. It can be used to photograph night scenes, ensure sharp focus for landscapes and other distant subjects, and should be used when photographing through glass.

1. Press the function-mode button until ▲ appears in the data panel.
   - At twilight or night, place your camera on a tripod to avoid blur caused by camera shake.
   - Flash cancel is set and cannot be changed.
2. Frame your subject within the viewfinder, then press the shutter-release button all the way down.

- Landscape/Night View mode is automatically cancelled after the exposure is taken.
Interval mode automatically takes pictures at a pre-set interval time until the last of the film is used.

1. Place your camera on a tripod, then press the function-mode button until INT appears in the data panel.
2. Press and hold the function-mode button.
Adjust the interval time with the zoom lever.
- The interval time can be selected at the following steps.

\[ 10^s \rightarrow 20^s \rightarrow 50^s \rightarrow 60^s \rightarrow 2m \rightarrow 3m \rightarrow \cdots \rightarrow 9m \rightarrow 10m \rightarrow 20m \rightarrow 50m \rightarrow 60m \]

\( S \) - seconds \hspace{2cm} \( m \) - minutes

- The selected interval time will be displayed on the data panel, then replaced by the frame counter. To see the interval time, press the shutter release button partway down.

Continued on following page.
3. Align your subject within the focus frame, then press the shutter-release button all the way down.

- The lens will automatically retract, but return to the original position before the next shot.
- The data panel will display the frame counter for 6 seconds, then the time remaining until the next shot.
- **INT** will continue blinking until the series is complete.
• After the first shot, the red-eye reduction lamp blinks slowly for a few seconds before the next picture is taken. If the camera is unable to lock focus, the lamp will continue blinking quickly for a few seconds to indicate the picture will not be taken.

• To cancel Interval mode, press the main switch or the function-mode button.

• If there is no film in the camera, Interval mode is automatically cancelled after 5 exposures.
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 2019.

Date Buttons

- Print indicator
- MODE button
- SELECT button
- ADJUST button

A button key is included on the strap for pressing the date buttons.
Imprinting the Date or Time

Press the MODE button to choose the data imprinting format.

- The display will change as shown.

<table>
<thead>
<tr>
<th>Year, Month, Day</th>
<th>Day, Time (24-hour format)</th>
<th>No imprinting</th>
</tr>
</thead>
<tbody>
<tr>
<td>'98 3 19</td>
<td>19 13:27</td>
<td></td>
</tr>
</tbody>
</table>

- Imprinted data may be difficult to read if the lower-right corner of the photograph is bright or non-uniform.
- Do not use the data back when temperatures exceed the operating range of 0 to 40 °C (32 to 104 °F).

Continued on following page.
Setting the Date and Time

1. Press the MODE button to display the date or time.

2. Use the SELECT button to move between different parts of the displayed data.
   - The selected part will blink, indicating that it is the data to be changed.
   - In the date imprint mode, the sequence is year, month, then day.
   - In the time imprint mode (24-hour format), the sequence is hour, minute, then the colon.
3. Press the ADJUST button to change the data to the correct value.
   - Data continues changing as long as the button is held down.
   - In 24-hour format, pressing the ADJUST button while the colon is blinking resets the second counter to 00 (not shown).

4. When all the data is correct, press the SELECT button until the print indicator appears in the data panel.
Battery Replacement

The Quartz Data Back uses one 3V lithium battery (CR2025). Replace the data back battery when the display dims.

1. Open the back of the camera.

2. Remove the retaining screws with a small phillips screwdriver.
   - A scratched pressure plate could damage your film.

3. Remove the battery cover, insert the new battery – side up, then replace the battery cover and retaining screws.
   - After replacing the data back battery, reset the date and time.
CARE AND STORAGE

Camera Error
If the camera will not function properly 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.

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.

Continued on following page.
Cleaning

- Keep the AF and meter windows clean or the focus and/or exposure 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.
Storage
When storing your camera for extended periods, please follow these guidelines:
• Store 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 damages incurred by equipment malfunction.

Continued on following page.
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 the 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 water proof, dust proof, or sand proof; take care when using it at the beach or near water. Costly or irreparable damage may occur.
## TECHNICAL DETAILS

<table>
<thead>
<tr>
<th>Camera Type:</th>
<th>35mm lens-shutter camera</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lens:</td>
<td>38-105mm f/4.6 - 11.8 lens</td>
</tr>
<tr>
<td></td>
<td>7 element/6 group construction</td>
</tr>
<tr>
<td>Focusing Range:</td>
<td>1.0m - infinity (3.3 ft. - infinity)</td>
</tr>
<tr>
<td>ISO Range:</td>
<td>DX coded films ISO 50-3200 (in 1 EV increments)</td>
</tr>
<tr>
<td>Metering Range:</td>
<td>Wide: EV 7 - 15</td>
</tr>
<tr>
<td></td>
<td>Tele: EV 8.75 - 15</td>
</tr>
<tr>
<td>Flash Range:</td>
<td>Wide: 1.0 - 5.0m (3.3 - 16.4 ft.)</td>
</tr>
<tr>
<td></td>
<td>Tele: 1.0 - 2.0m (3.3 - 6.6 ft.)</td>
</tr>
<tr>
<td>Battery:</td>
<td>One 3-volt CR-123A or DL123A</td>
</tr>
<tr>
<td></td>
<td>Battery-condition indication: 2-stage indication</td>
</tr>
<tr>
<td></td>
<td>Battery performance: approx. 20 rolls based on Minolta's standard test method using 24 exposure rolls with flash for 50% of the exposures.</td>
</tr>
</tbody>
</table>
Viewfinder: Magnification: 0.38X - 1.0X
Field of view: 83% (subject at 3m)
Diopter adjustment: −3 to +1 diopters

Dimensions: 123 x 68.5 x 43mm (4.8 x 2.7 x 1.7 in.)
Date model: 123 x 68.5 x 46mm (4.8 x 2.7 x 1.8 in.)
Weight: 240g (8.5 oz.) (without battery)
Date model: 250g (8.8 oz.) (with QD battery, without standard battery)

* Specifications are based on the latest information available at the time of printing and are subject to change without notice.
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 the bottom of your camera is there to inform you that this camera meets the requirements of the EU (European Union) concerning interference causing equipment regulations. CE stands for Conformité Européenne (European Conformity).