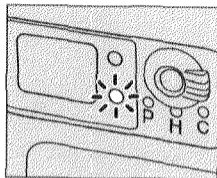


# USING THE BUILT-IN FLASH

When you turn the camera on, the built-in flash is set to autoflash or autoflash with red-eye reduction, whichever mode was used last. The flash will fire automatically when the light level is low or your subject is backlit.

# FLASH LAMP / FLASH RANGE



## Flash Lamp

- When the orange flash lamp blinks rapidly, the flash is charging. Wait until it glows steadily then take the picture.
- The flash takes approximately six seconds to charge.
- When the orange flash lamp blinks slowly, your scene is too dark for a hand-held picture. Use the flash, or place your camera on a tripod.

## Flash Range

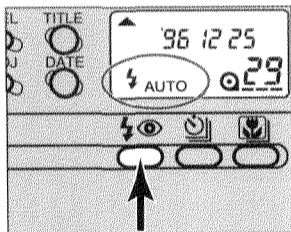
The range of the built-in flash depends on the film speed and the focal length you are using. To ensure proper exposure, make sure your subject is positioned within the flash range.

Focal Length \ Film speed	ISO 100	ISO 200	ISO 400
30mm	0.5~5.5m (1.6~18.0 ft.)	0.5~7.9m (1.6~25.9 ft.)	0.5~11.1m (1.6~36.4 ft.)
90mm	0.6~1.9m (2.0~6.2 ft.)	0.6~2.7m (2.0~10.5 ft.)	0.6~3.8m (2.0~12.5 ft.)

- In close-up mode, the minimum flash distance is 0.4m.

## SELECTING THE FLASH MODE

Besides autoflash mode  $\text{⚡}_{\text{AUTO}}$ , autoflash with red-eye reduction  $\text{⚡}_{\text{AUTO}}^{\text{RE}}$ , manual fill-flash  $\text{⚡}_{\text{FILL}}$ , or flash cancel  $\text{⚡}_{\text{OFF}}$  can be selected.

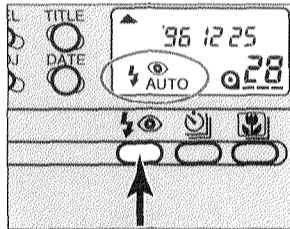



**Press the flash mode button until the desired indicator appears in the data panel.**

- Flash modes remain selected after you take the picture.

## RED-EYE REDUCTION

Use the built-in flash's red-eye reduction mode to reduce the red-eye effect when photographing people or animals at night or in low light situations. The flash will fire a few short bursts before the main flash burst to reduce the red-eye effect.

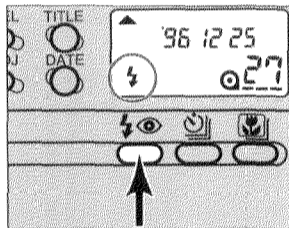


**Press the flash mode button until  AUTO appears in the data panel.**

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

## MANUAL FILL-FLASH

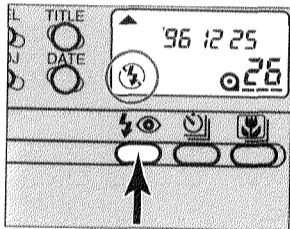
The flash will fire when the shutter is released regardless of lighting. Use manual fill flash to illuminate a backlit subject, or reduce harsh shadows on your subject's face.



Press the flash mode button until ⚡ appears in the data panel.

## FLASH CANCEL

Use flash cancel when you are photographing twilight scenes or distant subjects beyond the flash range, or to capture the ambiance of existing light.







**Press the flash mode button until  appears in the data panel.**

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

# SUBJECT PROGRAM SELECTION

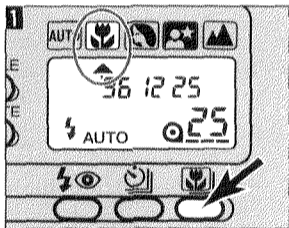
Subject Program Selection lets you tailor the camera's fully automatic operation to suit the subject.


- |   |                                    |   |
|---|------------------------------------|---|
| <b>AUTO</b>   | <b>Auto Mode:</b>                  | The camera's standard point-and-shoot mode.   |
|  | <b>Close-up Mode:</b>              | Optimizes the camera's settings for close-up photography. (p. 46)   |
|  | <b>Portrait Mode:</b>              | Optimizes the camera's settings for portrait situations. (p. 48)  |
|  | <b>Night Portrait Mode:</b>        | Provides a balanced exposure for night portraits. (p. 50)   |
|  | <b>Landscape/Night Scene Mode:</b> | The camera's settings are optimized for landscape and scenic photographs during the day or night. (p. 52) |

## CLOSE-UP MODE

Close-up mode lets you take pictures of small objects such as flowers or models to a maximum subject magnification of 1/4.3 life size on the film.

- Autoflash (or autoflash with red-eye reduction) is initially set, but any flash mode can be selected.

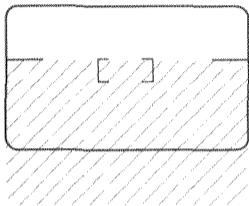


**1. Press the subject program selector until the pointer blinks below .**

- Two seconds after close-up mode is selected, the pointer will stop blinking and the lens will zoom to 75mm and lock.

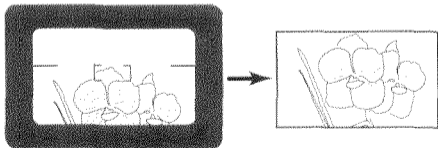
**2. Place the subject within the focus frame and press the shutter-release button all-the-way down.**

- When the green focus lamp blinks slowly, the focus will be set to 0.4 m (1.3 ft.).

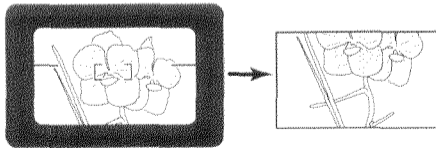


- In C and H formats, the minimum autofocus distance is 0.4m/1.3 ft. (0.7m/2.3 ft in the P format). When your subject is closer than 1.5 m (4.9 ft.), 2.0 m (6.6 ft.) for the P format, compose your picture within the close framing guides using focus hold if necessary.
- After taking the picture, the camera returns to Auto mode.

Correct



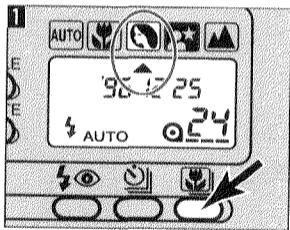
Not Correct




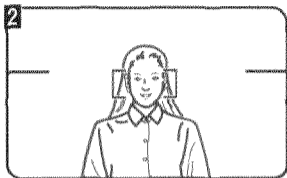
## PORTRAIT MODE

In Portrait mode, the lens automatically zooms to provide suitable framing for portraits when you press the shutter release button partway down.

- Autoflash (or autoflash with red-eye reduction) is initially set, but any flash mode can be selected.



1. Press the subject program selector until the pointer is under .



**2. Center your subject in the focus frame and press the shutter-release partway down. The lens will zoom to provide suitable framing for a portrait.**

- When the green focus lamp blinks slowly, the lens will not zoom automatically and focus may not be accurate.

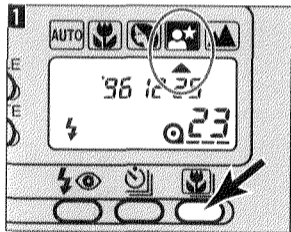
**3. Wait for the lens to zoom, then press the shutter-release button all-the-way down.**


- If you manually zoom the lens after selecting the Portrait mode, return to autozoom is no longer possible.
- After taking the picture, the camera returns to Auto mode.

## 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.

- The flash is set to manual fill-flash. Press the flash mode button to set or cancel red-eye reduction.



1. Press the subject program selector until the pointer is under .



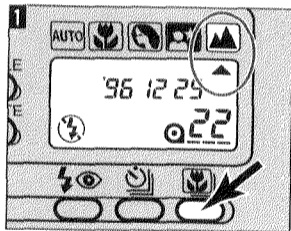
**2. Place the subject within the focus frame and press the shutter-release button all-the-way down.**

- The shutter speed will most likely be slow. Use of a tripod is recommended.
- After taking the picture, the camera returns to Auto mode.

## LANDSCAPE / NIGHT VIEW MODE

In this mode, the focus is set to infinity to ensure sharp focus on landscapes and other distant subjects.

- Flash cancel is set and cannot be changed.



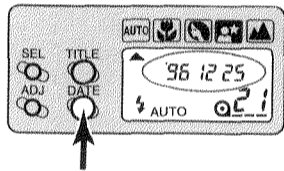
1. Press the subject program selector until the pointer is under ▲.
2. Align your subject within the focus frame and press the shutter-release all-the-way down to take the picture.
  - The shutter speed will most likely be slow. Use of a tripod is recommended.
  - After taking the picture, the camera returns to Auto mode.

# **ADDITIONAL FEATURES**

# DATE IMPRINTING

Your camera records date and time information on the film's magnetic strip that certified photofinishers can imprint in the front and back of your photographs.

- Some labs can not imprint date and/or time information on the front of your photographs. See your photofinisher for a full description of available services.



## Imprinting the Date or Time

Before taking the picture-

**Press the date button until the data panel displays the format you want to see on the print.**

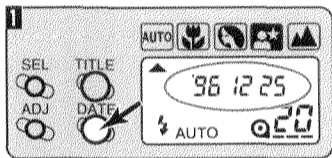
The sequence is as follows:



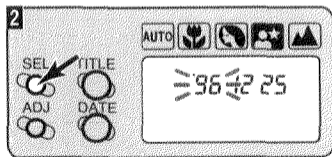
- When ----- is displayed in the data panel, no data will be printed on the front of the print, but the date and time of exposure will be imprinted on the back of the print.

## Setting the Date and Time

- This camera has a quartz clock and automatic calendar through the year 2029.



1. Press the date button to display the date.

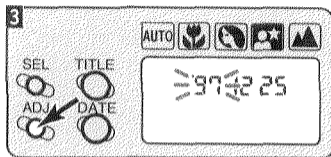


2. Press the select button until the item you want to adjust blinks.

- Each press of the select button causes the next item to blink.
- The sequence is:  
year → month → date → hour → minute → stops blinking

(Continued on the following page)

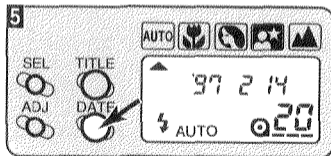
## DATE IMPRINTING CONT.



**3. Press the adjust button to change the blinking item.**

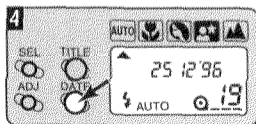
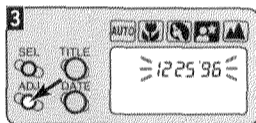
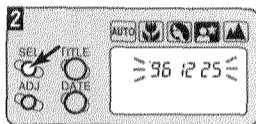
- Press and hold the adjust button to change the value rapidly.

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



**5. Press the date button to set the updated information.**

## Changing the Date/Time Format

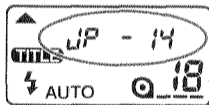


1. Press the date button to display the date.
2. Press and hold the select button until all items in the date display blink.
3. Press the adjust button to change the display format.
  - The format sequences as follows:  
 $96\ 12\ 25 \rightarrow 12\ 25\ '96 \rightarrow 25\ 12\ '96$
4. Press the date button to set the chosen format.

## TITLE IMPRINTING

Three titles from the title list can be preset for use while taking pictures. Any one of the three preselected titles can be selected before the picture is taken. When selected, the title will be recorded on the film's magnetic data strip. At certified Advanced Photo System labs, the selected title will be printed on the back of the print.

Some labs may not be able to print the titles in all of the available languages. See your photofinisher for details.

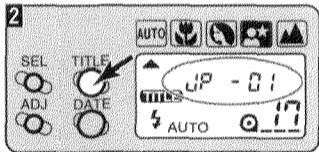


Titles are displayed in the data panel as a title code. Please refer to the Title List for the titles available with this camera.

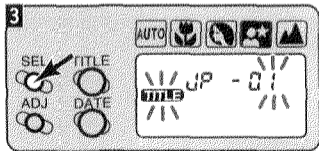
## Preselecting Titles

Three title codes have been set into memory. You can change one or all three title codes at any time.

1. Select the code for the title you want from the title list.



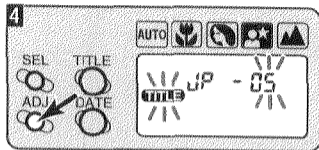
2. Press the title button to display the title code you want to change.



3. Press the select button, the first digit of the title code number will blink.

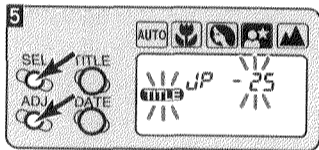
(Continued on the following page)

## TITLE IMPRINTING CONT.

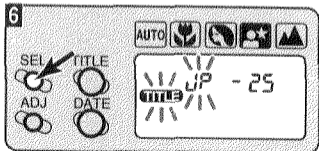


**4. Press the adjust button to change its value.**

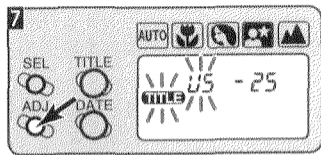
- Press and hold the adjust button to change the value rapidly.



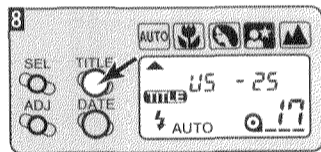
**5. Press the select button to make the next digit blink, change its value using the adjust button.**



**6. Press the select button to make the language code blink.**

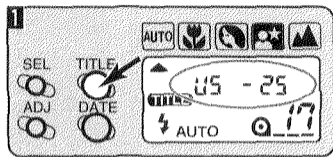


7. Press the adjust button to change the language code.



8. When the title information is correct, press the title button.

## IMPRINTING THE FRAME TITLE



Before taking the picture-

**1. Press the title button to display the code for the title you want.**


- Each press of the title button changes the title code to the next selection.

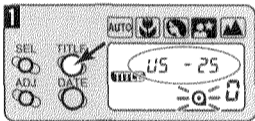
**2. Take the picture. The magnetic data is written and the selection is canceled for the next frame.**

## IMPRINTING THE FILMSTRIP TITLE

An additional title for the entire roll of film can be selected. Both the filmstrip title and the frame title will be printed on the back of the print.



After the film has been rewound and  blinks in the data panel-




**1. Press the title button to display the desired filmstrip title.**

- Each press of the title button changes the title code to the next selection.

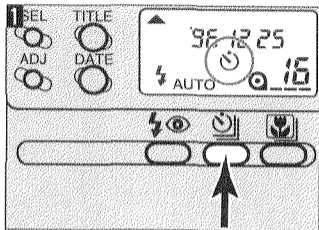
**2. Press the shutter release button all-the-way down to set the title.**

- The camera advances to write the IX data on the film's leader, then rewinds the film.


**3. When  blinks in the data panel again, press the film-chamber release and remove the film.**

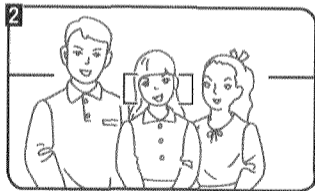
- Set the filmstrip title before removing the film.
- Once a filmstrip title is set, it can not be changed or canceled using the camera.

# SELF-TIMER

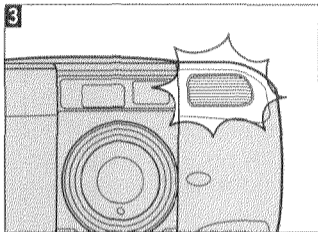


The self-timer delays release of the shutter for approximately 10 seconds after you press the shutter release button.


**1. Place the camera on a tripod, then press the self-timer/remote-control button until  appears in the data panel.**



**2. Center your subject in the focus frame.**

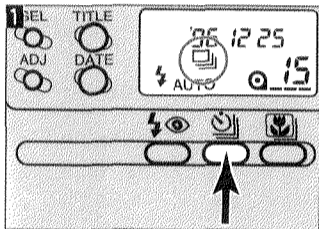


### 3. Press the shutter-release button all-the-way down.

-  will blink in the data panel during countdown.
- If the flash is on when the shutter is released, the flash will fire *three short bursts before the shutter is released* (or the red-eye reduction burst is fired).
- To cancel the self-timer, press the self-timer/remote-control button or turn the camera off.
- The self-timer is automatically canceled after the shutter releases.
- Do not press the shutter-release button while standing in front of the camera.

## CONTINUOUS DRIVE MODE

In this mode, the camera will release the shutter and advance the film as long as the shutter-release button is held down.

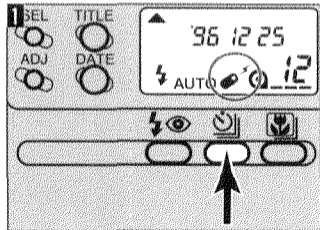



- 1. Press the self-timer / remote-control button until  appears in the data panel.**
- 2. Press the shutter-release button all-the-way down and hold.**
  - The camera will release the shutter and advance the film as long as the shutter-release button is held down.
  - When taking flash pictures, the shutter will release after the flash has charged.
  - To cancel the continuous drive mode, press the self-timer/remote-control button until  disappears from the data panel, or turn the camera off.

## REMOTE CONTROL MODE (OPTIONAL)

The IR Remote Control RC-3 (not included) allows remote camera operation up to 6m (19.7 ft.) away.

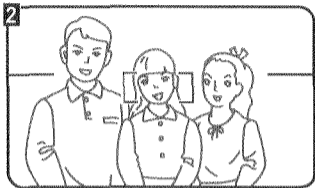
- The remote control may not operate with backlit subjects or under fluorescent light.
- To save power, the camera automatically shuts down if the remote control is not operated for more than eight minutes.



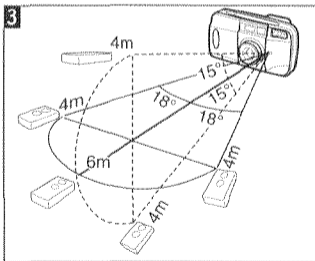
1. Place the camera on a tripod and press the self-timer / remote-control button until  appears in the data panel.

(Continued on the following page)

## REMOTE CONTROL MODE (OPTIONAL) CONT.



2. Compose your picture.



3. Point the remote toward the front of the camera and press **•** or **2s**.

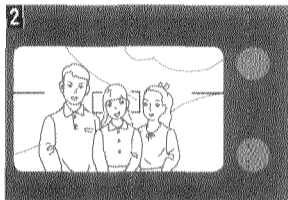
- If you press the release button marked with **•**, the flash will fire once before the picture is taken.
- If you press the delay button (2s), the flash will fire four times before the picture is taken.
- If flash cancel is selected, the flash will not fire.

## Focus Hold in Remote Control Mode

---

1. Set the camera to the remote control mode.

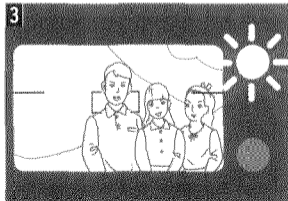
2. Center your subject in the focus frame, then press the shutter-release button partway down until the green focus lamp glows.



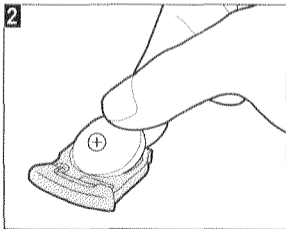
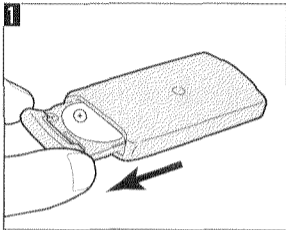
3. Lift your finger from the shutter-release button and recompose your picture.

4. Point the remote toward the front of the camera and press **•** or **2s**.

- The focus will stay locked until the focus is reset, remote-control mode is canceled, or the camera is turned off.



## REMOTE CONTROL MODE (OPTIONAL) CONT.



### **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.**
- 2. Insert a new battery into the battery-chamber with its plus side up.**
- 3. Slide the battery chamber back into the remote control.**

# APPENDIX



To receive the best possible prints, take your film to a photolab displaying the Certified Advanced Photo System logo. Photofinishers displaying this logo have been certified according to Advanced Photo System guidelines.

Certified photolabs will be able to provide the following services.

### **1. CHP - Print Format**

Your film will be printed according to the format set when the picture was taken.

### **2. Date and Title Imprinting**

The date, time, and selected title are printed on the back of the picture in the chosen format.

### **3. PQI - Print Quality Improvement**

The lab will compensate (or not compensate) printing according to the data recorded on the magnetic data strips.

### **4. Film is returned in the cartridge.**

*To keep the film dust free and aid in organization, film is returned in its original film cassette. The VEI will be set to ■ to prevent accidental loading.*

### **5. Index Print**

An index print showing a numbered image of each frame is included with your returned order.

## **Reprints**

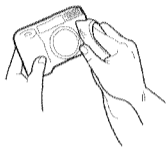
Images are always captured in the H format (High-Vision). You can select any of the three formats when ordering reprints.

# CARING FOR YOUR CAMERA

## Cleaning

---

- Keep the AF and AE 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.



## 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.

## Storage

---

When storing the camera for extended periods of time, 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.

## 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.



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).

## TECHNICAL DETAILS

<b>Camera Type:</b>	IX240 Lens Shutter Type
<b>Lens:</b>	30-90mm f/3.6 - 10.3 power zoom lens (equivalent to 38 to 113mm in the 135 system). 4 element/4 group construction including 2-two-sided aspheric elements. Maximum magnification 1/4.3X (Close-up mode focal length = 75mm)
<b>Focusing Range:</b>	C/H: Wide/Tele 0.5m - $\infty$ /0.6m- $\infty$ (Close-up 0.4m- $\infty$ ) P: Wide/Tele: 0.5m - $\infty$ /0.8m - $\infty$ (Close-up 0.7m- $\infty$ )
<b>Film Speed Setting:</b>	Automatic setting for DX coded films ISO 25 - 3200
<b>Metering Range (ISO 200):</b>	Wide: EV 3.0 - EV 17 Tele: EV 3.7- EV 17
<b>Flash Range (ISO 200):</b>	Wide: 0.5 - 7.9m (1.6 - 25.9 ft.) Tele: 0.6 - 2.7m (2.0 - 8.9 ft.) (Close-up: 0.4 - 3.2m)
<b>Battery:</b>	One CR-2 3V Lithium battery Battery-condition indication: 3-stage indication Battery performance: approx. 12 rolls based on Minolta's standard test method using 25 exposure rolls with the flash on for 50% of the exposures.
<b>Viewfinder:</b>	Magnification: 0.44X - 1.19X Field of View (H format): 85% (for subject at 3m) Eyepoint: 27mm

**Dimensions:** 117.5 x 65 x 48.5 mm (4.63 x 2.56 x 1.91 in.)

**Weight:** 240g (8.46 oz.) without 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.

**Minolta Co., Ltd.**

**3-13, 2-Chome, Azuchi-Machi, Chuo-Ku, Osaka 541, Japan**

**Minolta GmbH**

Kurt-Fischer-Strasse 50, D-22923 Ahrensburg, Germany

**Minolta France S.A.**

365 Route de Saint-Germain, F-78420 Carrières-Sur-Seine, France

**Minolta (UK) Limited**

Rooksley Park, Precedent Drive, Rooksley, Milton Keynes, MK13 8HF, England

**Minolta Austria Ges. m.b.H.**

Amalienstrasse 59-61, A-1131 Wien, Austria

**Minolta Camera Benelux B.V.**

Zonnebaan 39, P.O. Box 6000, NL-3600 HA Maarssen, The Netherlands

**Belgium Branch**

Kontichsesteenweg 38, B-2630 Aartselaar, Belgium

**Minolta (Schweiz) AG**

Riedstrasse 6 CH-8953 Dietikon, Switzerland

**Minolta Svenska AB**

P.O.Box 9058, Albygatan 114, S-17109 Solna, Sweden

**Finland Branch**

Niittykatu 6 PL 37 SF-02201 Espoo, Finland

**Minolta Portugal Limitada**

Rua Afonso Lopes Vieira 55-B P-1700 Lisboa, Portugal

**Minolta Corporation**

**Head Office**

101 Williams Drive, Ramsey, New Jersey 07446, U.S.A.

**Los Angeles Branch**

11150 Hope Street Cypress, CA 90630, U.S.A.

**Minolta Canada Inc.**

**Head Office**

369 Britannia Road East, Mississauga, Ontario L4Z 2H5, Canada

**Vancouver Branch**

106-3850 Jacombs Road, Richmond, B.C. V6V 1Y6, Canada

**Minolta Hong Kong Limited**

Room 208, 2/F, Eastern Center, 1065 King's Road, Quarry Bay, Hong Kong

**Minolta Singapore (Pte) Ltd.**

10, Teban Gardens Crescent, Singapore 608923

**Shanghai Minolta Optical**

**Products Co., Ltd.**

368 Minolta Road, Songjiang, Shanghai, China