PENTAX 9189

ZX-60 QUARIZ

OPERATING MANUAL



Congratulations on your purchase of this camera and welcome to the exciting world of Pentax autofocus photography! This compact and lightweight camera is an autofocus SLR camera that offers higher levels of sophistication and performance. Incorporating a broad range of advanced technologies and highly accurate automation, this camera will perform superbly for the most exacting photographer.

 Read this instruction manual carefully to get a full explanation of operations before use.

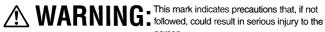
The camera does not operate when a lens with the following conditions attached.

- When a lens, which does not have autofocus function is attached.
- 2. When an F or FA lens is attached with the aperture ring set other than the A position.
- 3. When any accessory mentioned on page 101 is used between the camera and an F or FA lens.

Lenses and accessories produced by other manufacturers are not made to meet our precise specifications and therefore may cause difficulties with, or actual damage to your Pentax camera. We do not assume any responsibility or liability for difficulties resulting from the use of lenses and accessories made by other manufacturers.

FOR SAFE USE OF YOUR CAMERA

Although we have carefully designed this camera for safe operation. please be sure to follow precautions given on this page.



person.



This mark indicates precautions that, if not followed, could result in minor or medium injury to the person or damage to the equipment.

♠ WARNING

- · The electronic circuits inside the camera contain high voltage working parts. Never attempt to disassemble the camera yourself.
- · Never touch internal parts of the camera if they become exposed from dropping the camera or for some other reason, as there is danger of an electric shock.
- Wrapping the strap around your neck is dangerous. Make sure that small children do not get the strap caught around their neck.
- Do not look directly at the sun through the camera, as viewing the sun may damage your eyes, and/or parts of the camera (e.g.: shuttercurtains, etc.)
- · Be sure to store batteries out of the reach of children. Seek medical assistance immediately if accidentally swallowed.

CAUTION

- Do not use the flash near anyone's eyes, as it may hurt them. Be particularly careful with the flash around infants.
- Never try to disassemble, short or recharge the battery. Also, do not dispose of the battery in fire, as it may explode.
- · Remove the batteries from the camera immediately if they become hot or begin to smoke. Be careful not to burn yourself during removal.



PRECAUTIONS FOR YOUR CAMERA

Your Pentax camera is a high-precision mechanism. Handle it with great care.

Precautions when taking pictures

- Do not use the camera where it may come in contact with rain, water, or any other liquid, because the camera is not weather, water, or liquid resistant. Should the camera get wet from rain, splashing water, or any other liquid wipe it off immediately with a dry soft cloth.
- Do not drop the camera or allow it to hit solid objects. If the camera suffers a shock or impact, take it to a Pentax service center for inspection.
- Be careful not to subject the camera to strong vibrations, shock or pressure. Use a cushion to protect the camera when carrying it in a motorcycle, car, boat, etc.
- Condensation on the interior or exterior of the camera may be
 extremely harmful to the camera mechanism as it may cause rust.
 Furthermore, if the camera is taken from warm temperature to a
 subfreezing one or vice versa, the formation of icelets may cause
 damage. In such a case, put the camera into a case or plastic bag so
 that any changes in temperature difference is minimized. Do not
 remove it from the bag until temperature has stabilized.
- Regular size color prints may cut off what appears on the extreme edges of the film frame. Compose your picture with a margin of safety at the edges.

Precautions for storage

- Avoid leaving the camera for extended periods in places where the humidity and temperature are very high, such as in a car.
- Do not store the camera in a closet with moth balls or in an area where chemicals are handled. Store it in a place with good dry air circulation to prevent the growth of fungus.

Precautions for proper care

- Never touch the shutter curtain or mirror with your finger or any other object.
- Use a blower and lens brush to remove dust accumulated on the lens or viewfinder.
- Never use solvents such as paint thinner, alcohol or benzene to clean the camera.
- Electrical problems may often be caused by water, dirt or dust at points
 of electrical contact. Also check for battery leakage, traces of dirt or
 grease, or corrosion due to salinity or gas, if you cannot correct the

problems, have your camera inspected at a Pentax service center. Repairs of this nature are not covered under the terms of the warranty and charges may be assessed.

Other precautions

- The temperature range at which this camera functions properly is 50°C to -10°C (122°F to 14°F).
- A camera which has been submerged in water usually cannot be repaired. If such an accident should occur, it is advisable to contact a Pentax Service Center immediately.
- To maintain optimum performance, it is recommended that the camera be inspected every one or two years. If the camera has not been used for an extended period, or is being prepared for an important photographic session, it is recommended that you have the camera inspected or test shoot with it.
- Repairs deemed necessary due to usage of this product in an industrial or commercial application may not be covered under the terms of the Pentax warranty.
- The PENTAX warranty provides only for the repair of defects in materials or workmanship. Damage of any kind cannot be repaired at any charge under the terms of the warranty. If the difficulty is caused as a direct result of the product being used in conditions as outlined in the "Precautions for Your Camera" section or any other operation contrary to the instructions outlined in this manual, charges will be assessed and a repair quotation will be provided.

PRECAUTIONS FOR BATTERY USAGE

- Use two 3V lithium batteries (CR2 type).
- Misuse of the battery can cause hazards such as leakage, overheating, explosion, etc. The battery should be inserted correctly with regard to polarity (+ and -) marked on the battery and the camera.
- Battery performance may be temporarily hindered in low temperatures, but will recover in normal temperatures.
- Keep a spare battery on hand for replacement convenience when shooting outdoors or while traveling.
- If the built-in flash is used continuously, the battery may become warm, but it does not mean that the battery is faulty; it is one of the battery's characteristics.
- Replace the batteries at the same time. Do not mix battery brands, type or an old battery with a new one. It may cause explosion or overheating.

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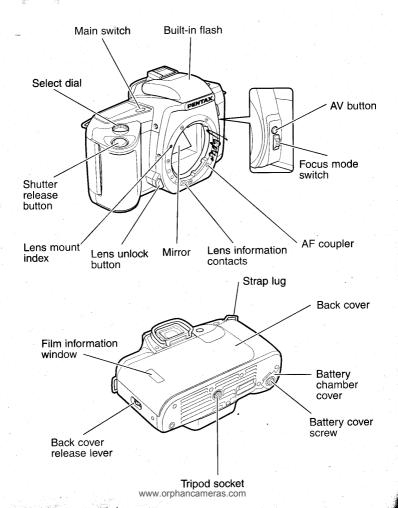
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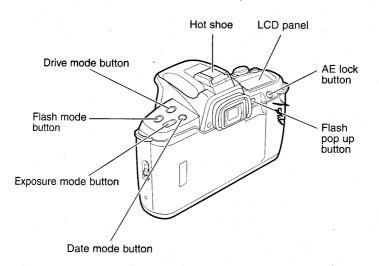
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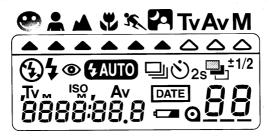
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NAMES OF WORKING PARTS





LCD PANEL INDICATIONS



: Flash status information (p. 80, 83, 84)

: Flash-off information (p. 83)

: Red-eye reduction flash indication (p. 77)

: Automatic flash information (p. 35, 77)

information (p. 35, 77) **ISO**: Manual-set film speed

(p. 75) ™**RRRR** : Shutter speed

: Battery exhaustion warning (p.22)

: Consecutive shooting

(p. 47)

DATE : Date mode (p. 26)

Exposure mode/AV,TV select pointer

(p. 53, 62, 64)

Self-timer(p. 48)

ზევ : 2 seconds self-timer

Av8.8 : Aperture value

: Auto bracket exposure

(p. 50)

• : Film status information

(p. 31, 42)

: Exposure counter

(p. 31, 42)

8888:88 : Date/time

All indications will not actually appear simultaneously as shown.

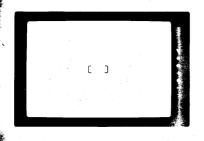
LCD (Liquid-Crystal Display)

When the LCD is exposed to high temperatures over approximately 60°C, it may blacken, but when the temperature normalizes, it should return to normal.

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VIEWFINDER INDICATIONS



(): AF frame (p. 40)

Flash status information (p. 53, 76, 80)

* : AE lock (p. 71)

: Focus indicator (p. 41)

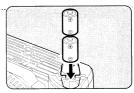
+ : Over exposure (p. 67)

: Correct exposure (p. 67)

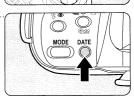
- : Under exposure (p. 67)

QUICK AND EASY SHOOTING

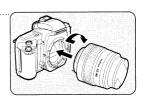
Loading the batteries
Open the battery cover and load
two CR2 Lithium batteries.
See page 19.



2 Set the date and time
You can skip this step if you do
not imprint the data at this time,
but the date and time should be
adjusted after loading the
batteries. See page 24.

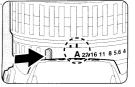


Attaching the lens
Align the red dots on the camera
and lens mounts. Turn the lens to
clockwise until it clicks in place.
See page 28.

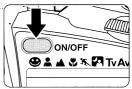


4 Set the lens aperture ring to A position

This camera does not work other than A position. See page 34.

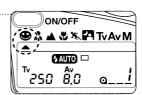


Turn the power switch ON.
Depress the main switch button.
See page 23.

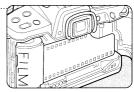


6 Set the exposure mode to Standard program mode.

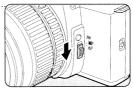
Move the select lever to set the pointer to while depressing the exposure mode button. See page 34.



Loading the film. See page 30.



Set to the Autofocus
Set the focus mode switch to
AF in down position.
See page 37.



Compose the subject by turning the zoom ring. See page 38.



Adjust the focus and take a picture.

Frame the subject in the focus frame and depress the shutter release button. Auto flash pops up automatically if it necessary. See page 40.



CAMERA FUNCTIONS AVAILABLE WITH VARIOUS LENSES

Function Lens [Mount type]	FA lens [KAF2] *1	F lens [KAF] *1
Autofocus (Lens only)	0	0
Manual focus (with FI) *2	○.*3	○ *3
(with Matte field)	0	
Power zoom	×	×
Image size tracking	×	×
Zoom clip	×	×
Auto zoom effect	×	×
Picture Mode	0	
Aperture-Priority AE	0 '	0
Shutter-Priority AE	0	
Metered Manual	0	. 0
Auto-popup built-in flash mode *4	0	0
Programmed TTL Auto Flash	.0	0
TTL Auto Flash	0	0

Notes:

- *1. As an F/FA 85mm f/2.8 Soft lenses and FA 28mm f/2.8 soft lens do not have the A position on the aperture ring, the shutter cannot be released.
- *2. Manual focus with aid of the in-focus indicator (FI) in the viewfinder.
- *3. Lenses with a maximum aperture of f/5.6 or larger.
- *4. Only works when the picture mode is selected.

₡ MEMO

 KAF2 and KAF mount lenses are designed to work with the Autofocus SLR camera.

The camera will not operate when a lens with following condition.

- 1. When a lens, which does not have autofocus function is attached.
- 2. When an F or FA lens is attached with aperture ring set other than the A position.
- 3. The accessory for close-up photography is attached.

HOW TO USE THIS OPERATING MANUAL

This manual is organized into the following sections.



Basic Operation (Shooting)

→Page 33

If you like to begin taking pictures with this new camera as soon as possible, read section 1and 2, "BASIC

OPERATION(PREPARATION)" and "BASIC OPERATION (SHOOTING)".

These sections introduce only the basic functions of this camera.



Advanced Operations



Other information

→Page 97

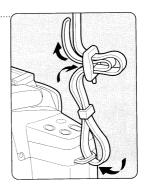
More information that is detailed can be found in the section 3 and the section 4.

BASIC OPERATION (PREPARATION)

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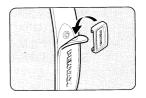
Step 1 ATTACHING THE CAMERA STRAP

Pass the end of the strap through the strap lug from underneath, and then pass the strap through the clasp from underneath as illustrated.



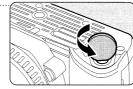
Z Follow the same procedure to attach the other end of the strap to the other strap lug.

· The strap has pockets that can store the viewfinder cap, hot shoe cover or any other small accessory as illustrated.

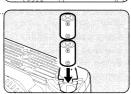


LOADING THE BATTERIES

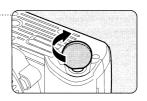
1 Open the battery chamber cover by turning it to counterclockwise with a coin, etc. as shown in the illustration.



Load two 3V lithium batteries (CR2) or equivalent into the battery chamber with positive (+) contacts of the batteries pointing up as shown in the illustration.



Push in the battery chamber cover firmly and use a coin to turn the cover clockwise to lock securely.



If the batteries are removed, date indicates [----] that no data will be imprinted.
See page 24 for adjusting the date and time.



₡ MEMO

 The camera memorizes only the exposure number and date when the batteries were removed. BASIC OPERATION (PREPARATION)

LOADING THE BATTERIES

₡ MEMO

- Be sure to use two Lithium batteries CR2 or equivalents.
- Both the camera function and the data imprinting function to keep constant track of time use the batteries.
- The optional "AA-Battery Pack FG" is also available for this camera instead of using the lithium batteries.
- Replace the batteries at the same time. Do not mix battery brands, type or an old battery with a new one.
- Keep a spare battery on hand for replacement convenience when shooting outdoors or while traveling.
- When the batteries were replaced, date mode will be re-set and the following camera settings will take effect.

All other settings will remain unchanged

Red-Eye-Reduction flash	Auto pop up flash	Self-timer Drive mode	
Off	On	Single frame	

Battery Life(using 24-exposure film rolls at 20°C/68°F)

General existing light photography	Approx. 120 rolls
Flash photography (using flash 50% of the times)	Approx. 20 rolls
Flash photography (using flash 100% of the times)	Approx. 12 rolls

Battery Life(using 24-exposure film rolls at -10°C/14°F)

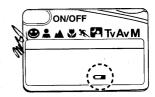
	·
General existing light photography	Approx. 30 rolls
Flash photography (using flash 50% of the times)	Approx. 15 rolls
Flash photography (using flash 100% of the times)	Approx. 5 rolls

△ MEMO

- CR2 batteries were used under Pentax testing conditions.
- Actual battery life and performance may vary drastically depending on usage of autofocus, built-in flash and external conditions such as temperature and freshness of the battery.
- Battery performance may be temporarily hindered in low temperatures, but it will recover in normal temperature.

Low Battery Warning

When the batteries are nearly exhausted, the battery symbol appears on the LCD panel to warn you. Replace the batteries as soon as possible.

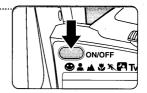


₡ MEMO

- See page 19 for loading the batteries.
- Even if the low-battery symbol appears, exposure will be correct as long as the shutter can be released. It is recommended to replace the batteries as soon as possible.
- When the low battery warning starts blinking, the shutter cannot be released and no indication in the viewfinder.

TURNING ON THE POWER

Turn the power ON.
Push the main switch button to turn ON.



2 Turn the power OFF.
Push the main switch button again to turn OFF.

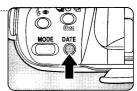
△ MEMO

- Be sure to turn the main switch OFF to prevent accidental battery drain when not in used.
- If the camera is ON and left unused for over 3 minutes, the power is tuned OFF automatically.

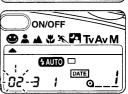


ADJUSTING THE DATE AND TIME

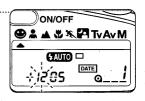
Turn the power ON and depress the [DATE] button to display date mode on the LCD panel.



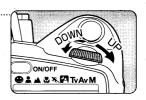
Keep depressing the [DATE] button for 3 seconds on the date mode display, the "year" digits will start to blink.



3 Each time the [DATE] button is depressed, the blinking digits change in the following order: Year-Month-Day-Hour-Minute-: . Select the desired digits.



Move the Select dial to right or left to change the digits that you wish to change the blinking digits.



The digits increase by one each time the select dial is moved to right and the digits decreased by it's moved to left.

Holding the select dial for about one second will change the digits rapidly.

- **b** After the data has been changed, depress the [DATE] button each time until blinking stops.
- **b** Depress the [DATE] button to select your date mode that you wish to imprint on your pictures.

∠ MEMO

Depress the [DATE] button in synchronize with a time signal to set the second to zero while (:) is blinking.

Operational precautions

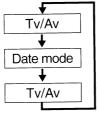
- The working temperature for data printing is -10°C 50°C (14°F 122°F).
- Use DX-coded films with ISO rating from 25 5000.
- If high-speed film with an ISO rating of 1000 or faster is used, the imprinted characters may blur.
- If film with ISO rating of 50 or slower is used, the printed characters may be dark or dim.
- If you release the shutter while the blinking data is being corrected, the data cannot be imprinted.

Step 5 IMPRINTING THE DATE

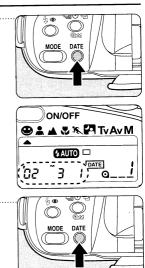
The DATE model records date information on your pictures clearly on each frame that you expose.

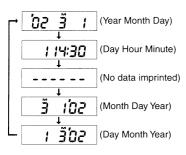
Selecting the date mode

At each depress of the [DATE] button, the display on the LCD panel changes as follows.



While the date mode is displayed, at each depress of the [DATE] button as shown in the illustration, the date mode on the LCD panel of the data changes as indicated in the chart.







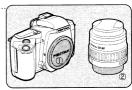
∠ MEMO

- [M] on the LCD indicates "Month".
- Year 2000 will imprint " 00 " on pictures.
- [-- --] indicates that no data will be imprinted.
- If there is a white or yellow object in the left bottom corner of the picture where the data is imprinting, the data may be difficult to read.
 When composing your picture, try to avoid brightly colored subject in that corner.
- Two 3V lithium batteries supply power for both the camera and date functions. If the camera batteries were removed or replaced, data setting will be initialized to "[-----] no data imprinted ", need to adjust the date and time.

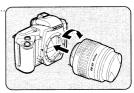
ATTACHING THE LENS

Remove the body mount cap

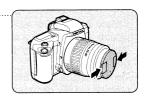
① and rear lens cap ②.



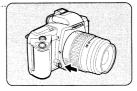
Align the red dots on the lens and camera while mounting the lens to the camera body, then turn the lens clockwise until it clicks in place.



3 To remove the front lens cap, squeeze the tabs on both sides in the direction of the arrow.



4 To remove the lens, holds down the lens unlock button and turn the lens counterclockwise.



₡ MEMO

- The body mount cap is designed to protect the camera against scratches and dust at the factory. For storage, the optional accessory "Body Mount Cap K" is available.
- After mounting the lens, try to turn the lens counterclockwise to make sure it is locked in place.
- The camera body and lens mount incorporate lens information contacts and an AF coupler. Dirt, dust, or corrosion may cause damage to the electrical system. Clean the contacts with a soft, dry cloth.
- We assume no responsibility nor liability for damages resulting from the use of lenses made by other manufacturers.
- To protect the lens information contacts and AF coupler of the lens against damage after removal, be sure to place the lens down with the mount side upward.

Step 7 FILM LOADING

We suggest that you first operate the camera with no film loaded to become familiar with its operations.

∠ MEMO

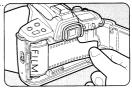
- Always load and unload the film in the shade or avoid direct sunshine.
- The shutter curtains are made from fine precision material. Do not touch them with your fingers or any other object while loading the film.
- The DX information pins in the film chamber are used to read film speed. Keep them clean and free from scratches. To remove smudges, wipe them off gently with a soft, dry cloth.
 - To open the back cover, slide the back cover release lever down in the direction of the arrow.



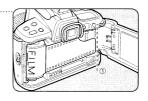
Place the film cartridge in the film chamber as shown in the illustration.



3 Pull the film leader out far enough to reach the take-up spool.

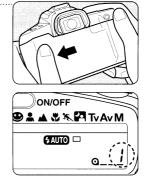


Align the film leader with film leader end mark ① as shown as illustrated.



Note

- Automatic film speed setting
 When DX-coded film is used, the correct film speed is automatically set
 for the camera. If you use a non-DX coded film, you can set the film
 speed manually. See page 75.
- **5** Close the back cover and turn the main switch ON. The film will be advanced to first frame automatically and the exposure counter 1 and film status information appear on the LCD panel when film is loaded properly.



MEMO Incorrect film loading

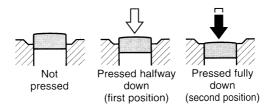
If the film is not loaded properly, <code>[E]</code> will blink on the LCD panel. Open the back cover and load the film again.



Step 8

OPERATING THE SHUTTER RELEASE BUTTON

The shutter release button has two positions. Depressing it down halfway (first position) turns on the exposure meter and autofocus system.



Depressing it fully (second position) releases the shutter. When taking a picture, depress the shutter release button gently to prevent camera shake.

∠ MEMO

- To prevent camera shake, depress the shutter release button gently.
- Before loading a roll of film, slowly depress the shutter release button to learn where the first position is.
- The LCD indication stays on for about 10 seconds after the button is released from the halfway position. Depressing the shutter release button halfway down keeps the LCD indicator on.



BASIC OPERATION (SHOOTING)

Step 1. SET THE STANDARD PROGRAM MODE	34
Step 2. SET THE AUTO POP UP FLASH	35
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Step 4. SET THE AUTO FOCUS MODE TO AF	37
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Step 6. HOLDING THE CAMERA	39
Step 7. TAKING A PICTURE	40
Step 8. UNLOADING A FILM	42
Step 9. REWINDING A FILM IN MID-ROLL	43

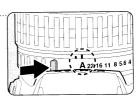
Step 1

SET THE STANDARD PROGRAM MODE

For quick and easy shooting, set your camera for Standard program mode, autofocus, auto flash and single frame drive mode. This standard program mode allows you to take pictures by simply depressing the shutter release button. The camera selects the best combination of aperture and shutter speed setting.

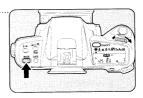
Set the lens aperture ring to the A position.

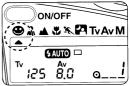
To set the lens aperture ring to the A position, turn the aperture ring while holding down the aperture-A lock button on the lens



Set the pointer mark to by moving the select dial while depressing the exposure mode button.

When the shutter release button is depressed halfway down, the shutter speed (TV) and aperture value (AV) are displayed on the LCD panel.



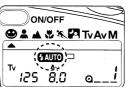


Ø∋ MEMO

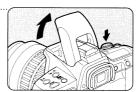
• The shutter cannot be released when an F or FA lens is attached with the aperture ring set to other than A position.

Depress the flash mode button until (appears on the LCD panel.





In this mode, the built-in flash automatically pops up when depressing the shutter button halfway down in the low light or backlight conditions.



∠ MEMO

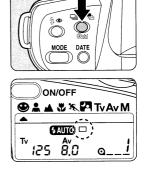
- The Built-in flash does not retract automatically, push the built-in flash down into the camera body after use.
- The built-in flash does not discharge when not required even though it has been in the up position. See page 76 for more details.
- Do not use a lens hood when the built-in flash is used, as it may obstruct the path of the light coming from the flash, causing vignetting in the picture corners.

Step 3

SET THE SINGLE FRAME DRIVE MODE

One picture is taken each time the shutter release button is depressed.

Depress the drive mode button until single frame \square appears on the LCD panel.



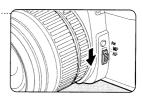
₡ MEMO

The drive mode can also set to consecutive-frame mode , self-timer , 2 seconds self- timer 2 or auto bracket shooting mode 4112

SET THE AUTO FOCUS MODE TO AF

When the shutter release button is depressed halfway down, the lens adjusts focus automatically.

Set the focus mode switch to AF in the down position.



∠ MEMO

- The picture cannot be taken unless focus is achieved. The focus will remain locked as long as shutter release button is held in halfway down.
- See page 72 for manual focusing.

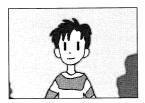
USING THE ZOOM LENS

Turning the zoom ring to the right makes the subject appear larger (telephoto) and turning it to the left makes the subject appear smaller (wide angle).



MEMO

- The smaller the number shown on the zoom scale ring , the wider the angle. Conversely, the larger the number, the more magnified the image appears.
- The Image Size Tracking Mode, Zoom Clip Mode, Auto Zoom Effect Mode and Power Zoom function do not operate with this camera even if an FA lens is attached.



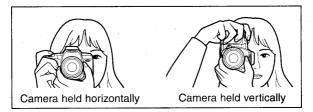
Telephoto



Wide angle

HOLDING THE CAMERA

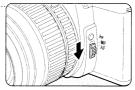
- Hold the camera firmly, with your left hand supporting the camera and lens as shown in the illustrations.
- While taking a picture, gently depress the shutter release button. Sudden force on the shutter release button will cause camera shake, making the picture blurred.

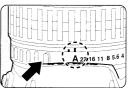


- To reduce camera shake, support your body or the camera on a solid object - a table, tree, or a wall for instance.
- When using an telephoto lens, a tripod that is heavier than the total weight of the camera and lens is recommended to avoid camera shake.
- Although there are individual differences among photographers, in general the shutter speed for a hand held camera is the inverse of the focal length. For example, 1/50 of second for focal length is 50mm, and 1/100 of second for it is 100mm. A tripod should be used for shutter speeds slower than this.

TAKING A PICTURE

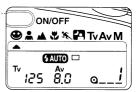
Confirm that the focus mode switch has been set to AF and the lens aperture ring has been set to A, and select the data mode to imprint or not.



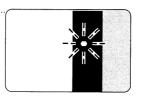


- **2** Look through the viewfinder and frame the subject with the autofocus AF frame . When the shutter release button is depressed halfway down, the lens adjust focus automatically.
- Confirm that the shutter speed, aperture value and picture mode on the LCD panel.



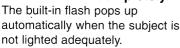


When the subject is in focus, the focus indicator in the viewfinder lights up.



The focus indicator blinks when the camera is not able to obtain proper focus for one of the following reasons.

- 1. The subject is too close. Adjust the camera-to-subject distance.
- 2. The subject is difficult to autofocus. See "HARD-TO-AUTOFOCUS" subject on page 74.
- Take a picture.
 Gently depress the shutter release button completely.
 The built-in flash pops up





🖾 MEMO

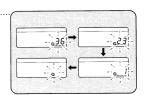
- The shutter cannot be released if the subject is out of focus.
- Depress the shutter release button halfway down. While lights on, the camera-to-subject distance is fixed (Focus lock). To refocus on another subject, lift your finger off the shutter release button.
- When the camera senses subject movement during the autofocus operation, the camera will automatically switch the focus mode to the predictive autofocus mode to measure the speed of a moving subject, and predict where it will be at the moment of shutter release to maintain sharp focus on the subject.

Step 8

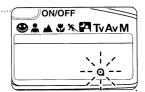
UNLOADING A FILM

The film automatically rewinds at the end of the roll.

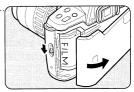
During rewinding, Q___ blinks on the LCD panel, indicating that the film is being rewound, the exposure counter counts frame numbers in reverse.



When the film is fully rewound, a blinks on the LCD panel.



J Open the back cover and remove the film.

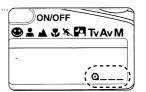


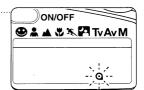
- When removing the film from the camera, avoid direct sun light.
- A roll of 24-exposure film takes about 20 seconds to rewind.
- Before opening the back cover, check that a is blinking.
- The shutter may be released a frame or more after the specified number of frames have been used as indicated on the film cartridge. However, those extra frames may be lost in processing. When you take important pictures, rewind the film when the film reaches the number of frames indicated on the film cartridge. See page 43.

REWINDING A FILM IN MID-ROLL

If you wish to unload the film before exposing all the frames, use this function.

- Set the main switch to the ON position, Depressing the Drive mode button for over 2seconds, Film status information Q___ will appear on the LCD.
- 2 Holding the drive mode button and depress the shutter release button to start rewinding. When the film is fully rewound, blinks on the LCD panel.
 - The film will be rewound, Film status information on the LCD panel blinks and counts the frame numbers in reverse.
 - Before opening the back cover, check that is blinking.





An los

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CONTRAST-CONTROL-SYNC FLASH	
CONTINUE CON	

SELECTING A DRIVE MODE

This camera has a total of six drive modes as shown.

Single-Frame Drive Mode	One picture is taken each time the shutter release button is depressed.
Consecutive-Frame Drive Mode	Pictures can be taken consecutively while holding down the shutter release button. See page 47.
Self-timer Mode	A picture will be taken with a 12-second-delay. See page 48.
2 Seconds self-timer Mode	The reflex mirror locks up to prevent camera shake and the shutter is released about 2 seconds later. Use with the Bulb timer exposure. See page 48.
Auto Bracket Exposure Mode	3 pictures will be taken with exposure compensation ± 0 , -1/2, +1/2EV. See page 50 for more details.
Auto Bracket Exposure Mode	3 pictures will be taken with exposure compensation ± 0 , -1, +1EV. See page 50 for more details.

Consecutive-Frame Drive Mode

Pictures can be taken consecutively while holding down the shutter release button.

Setting the consecutive frame drive mode.

Depress the drive mode button until appears on the LCD panel.

- 1.Depress the shutter release button halfway down to focus on the subject.
- 2.Depress and hold down the shutter release button completely.
- Take you finger off from the shutter release button to stop taking pictures.

∠ MEMO

- The shutter cannot be released while the built-in flash is being charged.
- Depress the drive mode button to another setting to cancel the consecutive-frame drive mode.





SELECTING A DRIVE MODE

Self-timer Mode

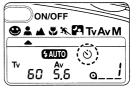
The self-timer mode delays the shutter release, and is useful for taking group shots that include the photographer or when you wish to prevent camera shake for slow speed exposure as close-up or night- scene pictures. The shutter will be released about 2 seconds or 12 seconds after the shutter release button is depressed fully.

Mount the camera on the tripod.



Depress the drive mode button until o or ozs appears on the LCD panel.





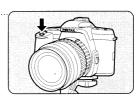
Focus on the subject first using the autofocus frame and by depressing the shutter release button halfway down.

₡ MFMO

 When the 2 seconds self-timer is used, depress the shutter release button to start, lock-up the reflex mirror to prevent camera shake and shutter will be released about 2 seconds later.

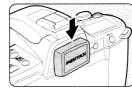
4 Depress the shutter release button fully to start the self-timer.

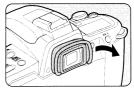
When the self-timer is in operation, the self-timer lamp blinks and the rate increases for the last two seconds.



MEMO Preventing stray light entering the eyepiece

- Underexposure may occur if light enters the viewfinder during self-timer operation. If you intend to move away from the viewfinder, attach the supplied finder cap as shown in the illustration.
- When using accessories such as the finder cap, remove the Eyecup FK as illustrated. The Eyecup FK comes from the factory fitted to the camera's viewfinder accessory grooves.





- Use of tripod is recommended.
- To cancel the self-timer operation after it has been activated, depress the drive mode button to disappear of from the LCD panel.

Auto Bracket Exposure Mode

When you depressed shutter release button, three consecutive frames will be taken at the different exposure times. The first frame is exposed with no compensation. The second frame is under exposed and the third frame is over exposed. The bracketing amount can be set to $\pm 1/2$ EV or ± 1 EV.





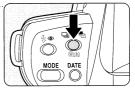


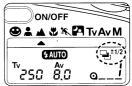
Exposure with no compensation

Under exposure

Over exposure

- If the exposure compensation amount is small, the effect will not be noticeable with print film.
 - Depress the drive mode button until **\frac{1}{2} or **\frac{1}{2} appears on the LCD panel.





2 Focus on the subject by depressing the shutter button halfway down.

The focus is locked at the first picture and remains locked until three pictures are taken.

Take three consecutive pictures, depress and hold down the shutter release button.

₡ MEMO

- If you take a finger off from the shutter release button during auto bracketing, the auto bracketing mode will remain effective for about 20 seconds. After that, the auto bracketing exposure for the first bracketed frame will take effect.
- Auto bracket does not work in the Bulb timer Mode.
- Only the amount of light of the flash can be changed continuously by
 using the auto bracketing mode following completion of charging of the
 built-in flash or external flash unit (TTL and P-TTL Auto only). However,
 in case of an external flash unit, if three consecutive frames are taken
 while depressing the shutter button, the second and third frame may be
 taken prior to completion of charging. Always make sure to check
 completion of charging for each time.

How to cancel

Auto bracket can be canceled if the power is turned OFF or any other drive mode is set.