

Names of Parts

1. Shutter button
2. Zoom lever
3. LCD panel
4. Red-eye reduction/Self-timer lamp
5. Auto focus sensor
6. Viewfinder window
7. Manual rewind button
8. Power (ON/OFF) button
9. Mode button
10. Built-in flash
11. AE metering sensor
12. Lens/lens cover
13. Strap eyelet
14. Film take-up spool
15. Ready LED
16. Viewfinder eyepiece
17. Film rewind shaft
18. Film chamber
19. Film check window
20. Back cover
21. Battery cover
22. Tripod socket
23. Back cover latch

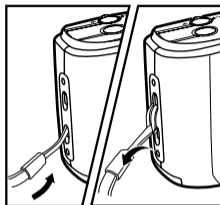


Fig.1

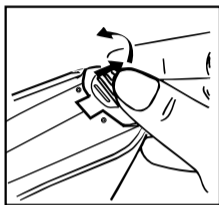


Fig.2

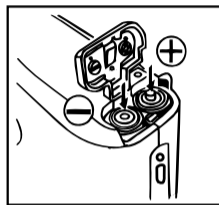


Fig.3

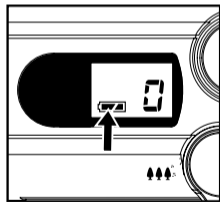


Fig.4

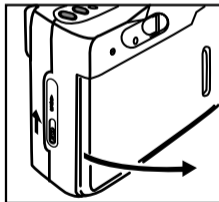


Fig.5

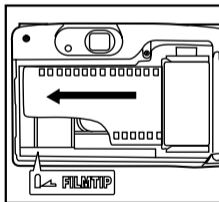


Fig.6

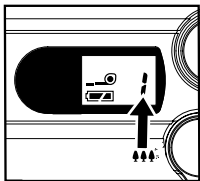


Fig.7

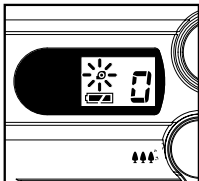


Fig.8

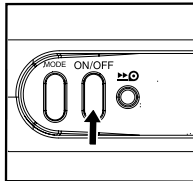


Fig.10

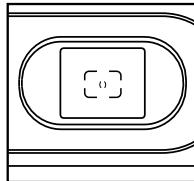


Fig.11



Fig.9

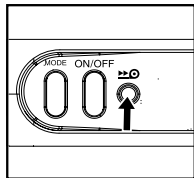
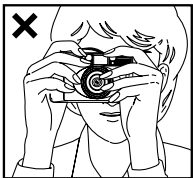
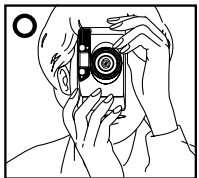


Fig.12

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WARRANTY POLICY

All Pentax cameras purchased through authorized bona fide photographic distribution channels are guaranteed against defects of material or workmanship for a period of twelve months from date of purchase. Service will be rendered, and defective parts will be replaced without cost to you within that period, provided the equipment does not show evidence of impact, sand or liquid damage, mishandling, tampering, battery or chemical corrosion, operation contrary to operating instructions, or modification by an unauthorized repair shop. The manufacturer or its authorized

representatives shall not be liable for any repair or alterations except those made with its written consent and shall not be liable for damages from delay or loss of use or from other indirect or consequential damages of any kind, whether caused by defective material or workmanship or otherwise; and it is expressly agreed that the liability of the manufacturer or its representatives under all guarantees or warranties, whether expressed or implied, is strictly limited to the replacement of parts as hereinbefore provided. No refunds will be made on repairs by non-authorized Pentax service facilities.

PROCEDURE DURING 12-MONTH WARRANTY PERIOD

Any Pentax which proves defective during the 12-month warranty period should be returned to the dealer from whom you purchased the equipment or to the manufacturer. If there is no representatives of the manufacturer in your country, send the equipment to the manufacturer, with postage prepaid. In this case, it will take a considerable length of time before the equipment can be returned to you owing to the complicated customs procedures required. If the equipment is covered by warranty, repairs will be made and parts

replaced free of charge, and the equipment will be returned to you upon completion of servicing. If the equipment is not covered by warranty, regular charges of the manufacturer or of its representatives will apply. Shipping charges are to be borne by the owner. If your Pentax was purchased outside of the country where you wish to have it serviced during the warranty period, regular handling and servicing fees may be charged by the manufacturer's representatives in that country.

Notwithstanding this, your Pentax returned to the manufacturer will be serviced free of

charge according to this procedure and warranty policy. In any case, however, shipping charges and customs clearance fees to be borne by the sender. To prove the date of your purchase when required, please keep the receipt or bills covering the purchase of your equipment for at least a year. Before sending your equipment for servicing, please make sure that you are sending it to the manufacturer's authorized representatives or their approved repair shops, unless you are sending it directly to the manufacturer. Always obtain a quotation for the service charge, and only after you

accept the quoted service charge, instruct the service station to proceed with the servicing:

- ★ This warranty policy does not affect the customer's statutory rights.
- ★ The local warranty policies available from Pentax distributors in some countries can supersede this warranty policy. Therefore, we recommend that you review the warranty card supplied with your product at the time of purchase, or contact the PENTAX distributor in your country for more information and to receive a copy of the warranty policy.

FOR SAFE USE OF YOUR CAMERA

Although we have carefully designed this camera for safe operation, please be sure to follow precautions given in this manual.

⚠ WARNING

This mark indicates precautions that if not followed, could result in serious injury to the user.

⚠ CAUTION

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

⚠ WARNING

- The electric 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 electric shock.

- Wrapping the strap around your neck is dangerous. Make sure that small children do not get the strap caught around their neck.

⚠ CAUTION

- Do not use the flash near anyone's eyes, as it may hurt them. Be particularly careful with the flash around the 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 battery from the camera immediately if it becomes hot or begin to smoke. Be careful not to burn yourself during removal.

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PRECAUTIONS FOR YOUR CAMERA

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 a solid object. If the camera suffers a severe 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 the exterior of the camera may be extremely harmful to the camera mechanism as it may cause rust and / or corrosion. Furthermore, if the camera is taken from warm temperature to a subfreezing one or vice versa, the formation of ice 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.

Precautions for storage

- Avoid leaving the camera for extended periods in places where temperature and humidity are high such as in a car.
- Do not store the camera in a closet with mothballs or in a case where chemicals are handled. Store it in a place with good air circulation to prevent fungus growth.

Precautions for proper care

- Use a blower and lens brush to remove dust accumulated on the lens or the viewfinder window.
- Never use solvents such as paint thinner, alcohol or benzene to clean the camera. To clean the external camera surfaces, but not glass surfaces; use of a dry or silicone-treated cloth is recommended.

Other precautions

- The temperature range at which this camera functions properly is 50°C to -10°C (122°F to 14°F).
- 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.
- The PENTAX warranty provided only for the repair of defects in materials or

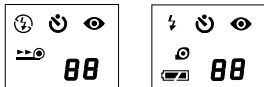
workmanship. Damage of any kind cannot be repaired at free of charge under the term of warranty. If the difficulty is caused as a direct result of the product being used in conditions as outlined in the other operation contrary to the instructions outlined in this manual, charges will be assessed or a repair will be provided.

PRECAUTIONS FOR BATTERY USAGE

- Misuse of a battery can cause hazards such as leakage, overheating, explosions, etc.
The battery should be inserted with the "+" and "-" sides facing correctly.
- Never try to disassemble, short or recharge the battery. Also do not dispose of the battery in a fire as it may explode.
- Battery performance may be temporarily hindered in low temperatures, but will recover in normal temperatures.

- When the camera is in a bag, make sure the main switch is on OFF position. Otherwise, battery power may be wasted if the shutter release button is accidentally pressed.
- Keep a spare battery on hand for replacement convenience when shooting outdoors or while traveling.
- Be sure to store battery out of reach of children.

LCD Panel Indicator



(Fig.13)

- 88** Film counter
- Battery life
- Film status
- Auto-flash mode
- Red-eye reduction mode
- Flash-off mode
- Fill-in flash mode
- Self-timer mode
- Film loading or rewinding

ATTACHING THE STRAP (Fig. 1)

Pass the narrow end of the strap through the strap eyelet and pass the other end through the loop.

- ★ The protruding part of the strap adjustment clip can be used to press the small buttons on the camera.

INSERTING THE BATTERY

1. Push the battery cover toward the open direction and open the cover. (Fig.2)
2. Insert the two AA batteries according to the polarity information of the battery cover.




3. Close the cover by pushing it back till it locks firmly.
- ★ Remove the batteries from the camera when you do not expect to use it for a long period time.

FOR THE DATE MODEL

Set the date and time. Refer to the DATE IMPRINTING.

CHECKING THE BATTERY


The battery condition in camera can be checked when you turn the power on. It is displayed on the LCD panel. (Fig.4)

1. The full battery mark () is displayed when the battery is in good condition.
2. The half battery mark () is displayed when the battery is nearly exhausted.
3. The blank battery mark () is displayed when the battery is too low. All functions are locked and the battery mark and film counter blink. Replace the battery immediately.

LOADING THE FILM

This camera is designed to use DX-coded films of ISO 100-400. Your camera automatically sets the correct film speed.

1. Slide the back cover latch upward to open. (Fig.5)
2. Load the film cartridge into the film chamber and pull out the film enough to reach the FILMTIP mark inside the camera. (Fig.6)
3. Make sure the film lies flat. Close the back cover. The film advances to the first frame and "1" is displayed on the LCD panel. (Fig.7)

- ★ If "  " blinks on LCD panel, it indicates film loading failure. Please re-load the film. (Fig.8)
- ★ Whether the film is in camera or not can be confirmed by either the film check window or the film counter on the LCD panel.
- ★ Automatic film loading can be done no matter if power is on or off.

AUTO POWER OFF SYSTEM

The camera is turned on and left unused for five minutes, the lens automatically retracts and the power is turned off to save the battery energy.

HOLDING THE CAMERA (Fig. 9)

1. Keep your elbows close to your body to hold the camera steady.
2. Whether for vertical or horizontal photography, hold the camera with both hands.
3. If the flash is used with the camera held

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vertically, the flash unit should be positioned above the lens.

4. If the flash is used while holding the camera with the flash positioned below the lens the result will look unnatural.
5. Be careful that fingers, hair or the camera strap are not in the way of the lens, the auto-exposure windows, autofocus windows or the flash.
6. Hold the camera firmly with both hands in a stable posture and press the shutter button with your fingertip.

TAKING A PICTURE

1. Press power button. The lens extends to the 35mm wide-angle setting.
2. Set the subject you wish to take within the autofocus frame located in the center of the viewfinder. (Fig.11)
3. Compose the subject by moving the zoom lever to right or left.
4. Press the shutter button halfway.
5. Gently press the shutter button fully to take a picture. The film advances automatically to the next frame.

- ★ Make sure that the subject is at least 0.9m at 35mm to 1.2m at 60mm away from the camera.
- ★ Be careful not to accidentally cover the autofocus sensor windows on the front of your camera because this will cause incorrect focusing.
- ★ Keep the autofocus sensor windows clean to ensure the accurate focusing. If they are dirty, they should be cleaned with a soft cloth.

AUTOMATIC FLASH PHOTOGRAPHY

If additional light is required, the built-in flash will activate automatically.

1. When the flash is fully charged, the ready, green, LED lights up by pressing the shutter button halfway.
- ★ After the flash is discharged, it will take approx. eight seconds to recharge fully. The " $\frac{1}{2}$ " mark of the LCD panel and green LED will blink.

★ **Flash effective range:**

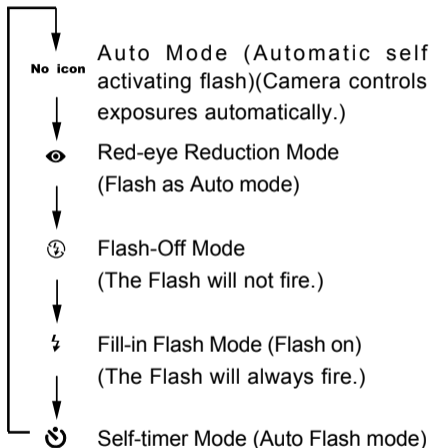
(When a negative color film is used.)

Wide: 0.9m-2.2m (3.0ft-7.2ft) (ISO 100),
0.9m-4.2m (3.0ft-13.8ft) (ISO 400)

Tele: 1.2m-1.3m (3.9ft-4.3ft) (ISO 100),
1.2m-2.5m (3.9ft-8.2ft) (ISO 400)

MODE SELECTION & LCD PANEL (Fig.10)

Turn the power on by pressing the Power button. Press the Mode button to set various exposure modes . The mode selection will change each time the Mode button is pressed. When the power is turned on, the mode is always preset in the auto flash mode. The sequence of the selected modes and displays are as follows.




AUTO FLASH MODE

In this mode, the flash fires automatically depending on the light conditions.

RED-EYE REDUCTION MODE



Selecting this mode makes it possible to minimize the red-eye effect that sometimes occurred when taking portrait photographs with flash.

1. Press the mode button until the  symbol appears on the LCD panel.
2. Press the shutter button halfway so that


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the Ready LED (Green lamp) lights up.

3. Press the shutter button fully down to take a picture.

FLASH-OFF MODE


This mode will forcibly prevent the flash activating, thus allowing available light photography where flash photography is prohibited.

1. Press the mode button until the  symbol appears on the LCD panel.
2. Press the shutter button to take a picture without flash.

- ★ In the flash-off mode, slow shutter speeds are used for available light. The use of a tripod is recommended to prevent the camera from shaking.


FILL-IN FLASH MODE

This mode will activate flash forcibly when you want to photograph subjects with sunlight to their side or back. It lets you take more natural looking pictures by softening harsh shadows.

1. Press the mode button until the  symbol appears on the LCD panel.

2. Press the shutter button. There will be flash every time when shutter button is pressed.


SELF-TIMER MODE

1. Compose your picture with the camera on a steady support like a tripod.
2. Press Mode button until the  symbol appears on the LCD panel. Press shutter button, the self-timer lamp blinks relatively slow in the first seven seconds and then blinks rapidly for two seconds and then lights on for the last one second. After approx. total ten seconds have passed,

the shutter will be released.

- ★ Press the shutter button once again or turn off the power to cancel the self-timer.

AUTO FILM REWIND

1. The film will be automatically rewound at the end of the roll, and the lens will retract into the camera.
2. Rewinding will automatically stop after the film is completely rewound, and "0" and a blinking "  " will appear on the film counter LCD. Make sure that the

blinking " 0 " appears before opening the back cover. Open the back cover and remove the film. When the "0" is not displayed on the LCD counter after rewinding, press the Manual rewind button.

MID-ROLL REWIND (Fig.12)

The film may be rewound before the roll is finished. Use the protruding part of the strap clip to press the manual rewind button to rewind the film.

AUTO-DATE(Fig.A)

(FOR AUTO-DATE MODEL ONLY)

The Auto-date model of this camera has a quartz-controlled auto-date mechanism (clock/calendar) that is programmed through December 31, 2049.

DATE IMPRINTING

(DATE MODEL ONLY)

DATE PRINT SETTING (Fig.A)

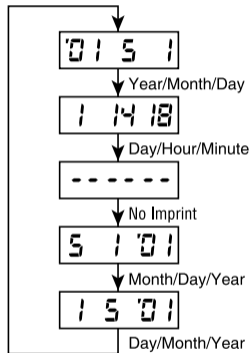
Press the Back cover MODE button to select the date, time or no imprint on the film.

- ★ The date unit must be reset when you changed the batteries.

(Fig. A)
AUTO DATE

'01 5 1

MODE SELECT SET



DATE AND TIME ADJUSTMENT

(Fig.B)

1. Press the Back cover MODE button until the year, month and day appear on the display as in Fig B.
 2. Press the SELECT button to choose the number blinking.
 3. Press the SET button to change the number blinking.
- ★ Press the SET button repeatedly until the desired number is set.
1. Repeat the above steps 2. and 3. until the year, month and day are all correct.
 2. Press the SELECT button again after all

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of the numbers have been changed. The numbers will stop blinking and the "Imprint Mark" (-) will appear above the number by pressing the SELECT button again. The camera is now ready for use.

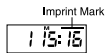
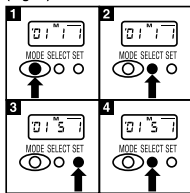
- If you want to change the time, press the MODE button to display the day, hour and minute.

Using the same method as was used to change the date, repeat the above step 2. and 3. to change the time.

- ★ Press the SELECT button after changing the time. After the ":" mark begins to blink, press the SELECT button again to put the camera in the "Imprint" state.

- ★ To change the seconds, first make the ":" mark blink and then use the SET button to adjust the seconds. You can obtain the exact time by the time signal. Afterwards press the SELECT button to put the camera in the "Imprint" state.

(Fig. B)



Specifications

Type	35mm lens shutter camera with zoom lens and built-in flash
Film format	24 x 36mm
Film speed	With DX film, Auto setting, ISO-100/200, 400
Lens	4 elements 4 groups 35mm/F6.3~60mm/F10.3
Shutter	Electrically programmed shutter
Shutter speed	Approx. 1/250 sec.-1/3 sec.
Focusing system	Infrared active autofocus with focus lock
Focusing range	35mm: 0.9m (3.0ft)-infinity, 60mm: 1.2m (3.9ft)-infinity
Viewfinder	Field of view: 80%(at 3m) Magnification: 0.57X/TELE, 0.36X/WIDE
Flash	Built-in flash, Recharging time: approx.8sec. with fresh alkaline batteries

Flash effective range	TELE: 1.2m - 1.3m (3.9ft - 4.3ft) (ISO 100), 1.2m - 2.5m (3.9ft - 8.2ft) (ISO 400) WIDE: 0.9m - 2.2m (3.0ft - 7.2ft) (ISO 100), 0.9m - 4.2m (3.0ft - 13.8ft) (ISO 400)
Photograph mode	Auto flash, Red-eye reduction, Flash-off, Fill-in, Self-timer
Self-timer	10sec.delay electronic self-timer
LCD panel	Film counter, Film indicator, Photograph mode, Battery symbol
Film transport	Auto loading, Auto advance, Auto rewind, Mid-roll rewind
Power source	1.5V AA alkaline battery x 2
Battery life	12 rolls of 24-exp. film with 50% flash
Dimension	115.0 x 67.0 x 39.0mm [4.5 x 2.6 x 1.5 in] (without databack) 115.0 x 67.0 x 44.0mm [4.5 x 2.6 x 1.7 in] (with databack)
Weight (without battery)	190g [6.7 oz] (with databack) 185g [6.5 oz] (without databack)
Date imprinting	5 modes (Date model only)

Note: Specifications and design are subject to change without notice.

Ⓒ The CE Mark is a Directive conformity mark of the European Community.

For Customers in USA

STATEMENT OF FCC COMPLIANCE

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 undersired operation.

Changes or modifications not approved by the party responsible for compliance could void the use'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

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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 receiver.

Consult the dealer or an experienced radio/TV technician for help.

For Customers in Canada

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