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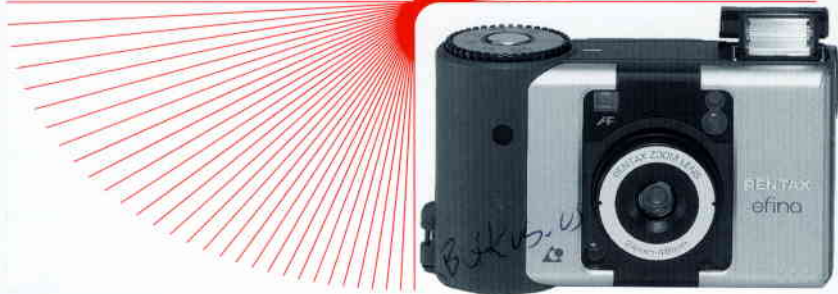
This will allow me to continue to buy new manuals and pay their shipping costs.
It'll make you feel better, won't it?
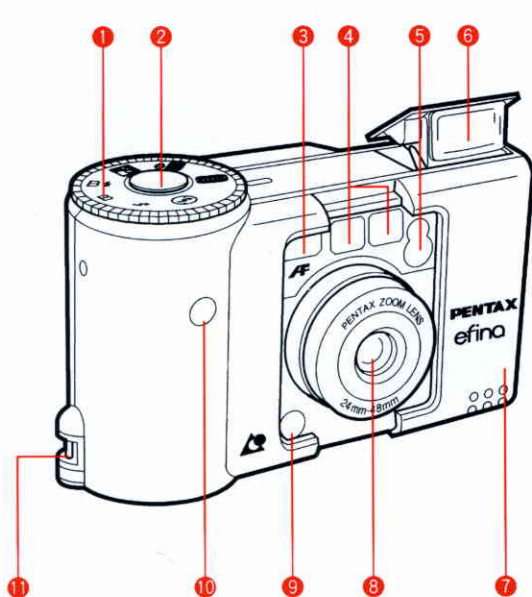If you use Pay Pal or wish to use your credit card,
click on the secure site on my main page.

PENTAX®
efina

NAMES OF WORKING PARTS

❶ Mode dial (p.34)
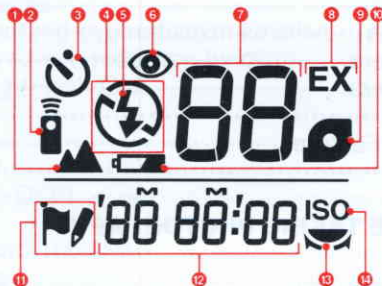❷ Shutter release button (p.29)
❸ Viewfinder window
❹ Autofocus window
❺ Light sensor window
❻ Built-in flash
❼ Protective front cover (p.19)
❽ Lens
❾ Self-timer lamp (p.44,p.48)
❿ Remote control receiver (p.47)
⓫ Strap lug (p.18)
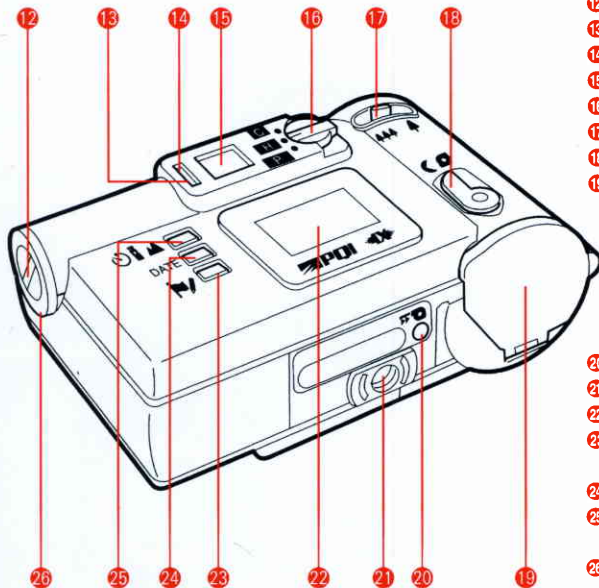
⑫Battery cover groove (p.64)
⑬Red lamp (p.28)
⑭Green lamp (p.28)
⑮Viewfinder eyepiece
⑯Print selection lever (p.26)
⑰Zoom lever (p.21)
⑱Film cartridge chamber lever (p.22)
⑲Film cartridge chamber cover (p.22)

⑳Mid-roll rewind button (p.33)
㉑Tripod socket
㉒LCD panel (p.1)
㉓Title/Language selection button (p.57)
㉔Date button (p.53)
㉕Self-timer/Remote control button (p.35)
㉖Battery cover (p.64)

LCD PANEL

All indications will not actually appear simultaneously as shown.

❶ Infinity-Landscape Mode (p.49)
❷ Remote Control Shooting Mode (p.46)
❸ Self-Timer (p.44)
❹ Flash OFF (p.41, p.43)
❺ Flash ON (p.39, p.40, p.42)
❻ Red-eye Reduction feature (p.38, p.40)
❼ Exposure counter (p.23)

❽ Maximum frame number
❾ Film cartridge
❿ Battery Exhaustion Warning (p.63)
⓫ Title/Language symbol
⓬ Title/Data information (p.39)
⓭ Zoom lever (p.21)
⓮ Film speed

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TAKING BETTER PHOTOGRAPHS

MAINTENANCE CONSIDERATIONS

OUTLINE OF BASIC OPERATIONS

1

Open the film cartridge chamber cover. (p. 22).

2

Load the film cartridge and close the film cartridge chamber cover (p.23).

3
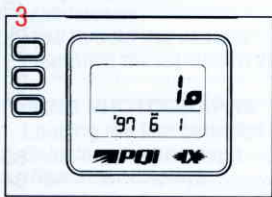
The film will automatically advance to the first frame (p. 23).

4
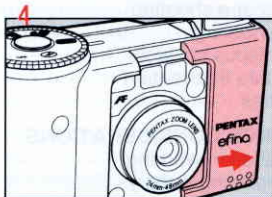
Switch on power (p.19).
Set the exposure mode dial to [**AUTO**].

4

5
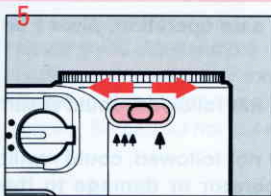
Frame your subject and operate the zoom lever to compose the shot (p.21).

6
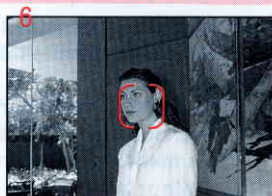
Focus on your subject (p.29).

7

Depress the shutter release button (p.29).

8
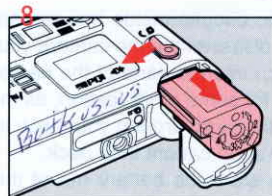
Remove the film cartridge (p.32).

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 page.

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

⚠ CAUTION   This mark indicates precautions that, if not followed, could result in minor or medium injury to the operator 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 their neck.
- Be sure to store the battery out of the reach of children. Seek medical assistance immediately if accidentally swallowed.

6

⚠ CAUTION

- 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.

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.
- 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. 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.

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; using a dry or silicone-treated cloth is recommended.

Other precautions
- The temperature range at which this camera functions properly is 50C° to – 10C° (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 no charge under the term of the warranty. If the difficulty is caused as a direct result of the product being used in conditions contrary to the instructions outlined in this manual, charges will be assessed or a repair quotation will be provided.

Precautions for battery
- Use one 3V lithium battery, type CR-2 or the equivalent.
- 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.
- Keep a spare battery on hand for replacement convenience when shooting outdoors or while traveling.

ADVANCED PHOTO SYSTEM FEATURES

• The visual exposure indicators on the top of the film cartridge show the film status.
• A film cartridge with ▶, ✕, or ■ visual film indicator cannot be used in this camera.

1 ● Unexposed
2 ▶ Partially exposed
3 ✕ Exposed
4 ■ Processed
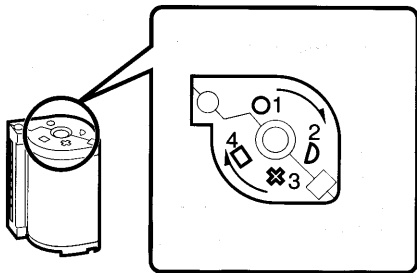
• Use IX240 type film designed for use in Advanced Photo System cameras. A 135mm (35mm) film cannot be used.
• The film cartridge can be loaded as simply as installing the battery.

- For best results, we recommend you to take your film cartridge to a certified Advanced Photo System processing labs displaying this symbol.
- Your processing lab may not develop IX240 films. Consult them for details of their services.
- After developing, your pictures, an index print, and the film cartridge with the negatives inside will be returned to you.
- When ordering reprint, match the ID on the back of the print or on the index print with the ID on the film cartridge and specify which prints you want reprint.

ID number
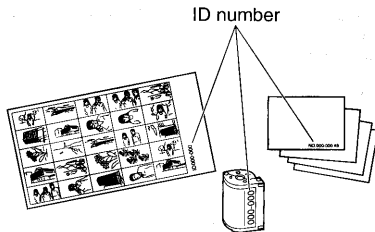
- Three print types are available and possible to switch the print type in the mid-roll of the film.
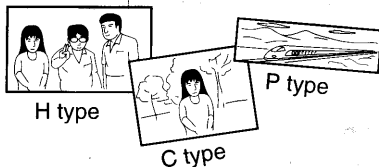
H type

C type

P type

- You can select a title from thirty-one different types and twelve languages and imprint it on the back of the print. Some processing labs may not be able to print the titles in all of the available languages. If you desire to imprint it on the front of the picture, ask your processing lab.

- When taking a picture, information about lighting and exposure conditions are recorded on the film to assist the processing lab with color correction and exposure adjustments, providing you with the best possible results.
- You can imprint the date and time on the back of the print. If you desire to imprint it on the front of the picture,consult them for details of their services.

PRACTICAL SHOOTING GUIDE

Taking pictures of people in various situations

Landscape photography

? Others

PREPARATIONS BEFORE TAKING PHOTOGRAPHS

For optimum performance you should familiarize yourself with certain fundamentals befor taking any photographs.
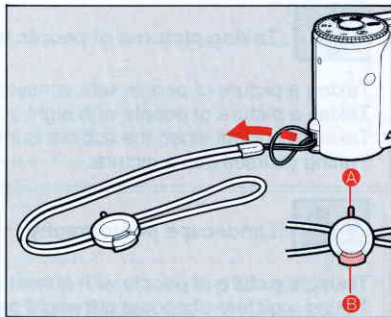
Fit the strap on the camera as illustrated.

• Use the illustrated part **A** for pushing the mid-roll rewind button to rewind a film before exposing all the frames and part **B** for opening the battery cover.

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② MAIN SWITCH (Protective Front Cover)
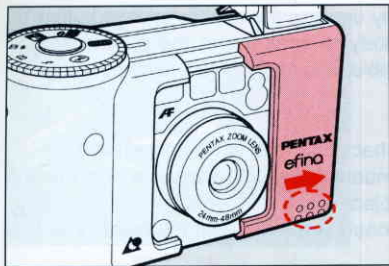
To switch on, open the protective front cover until it clicks. Be sure to push the arrow indicated part when opening or closing the protective front cover.

- When the protective front cover is opened, the built-in flash appears and the lens extends slightly.
- If the camera is ON and left unused for over 3 minutes, the lens automatically retracts to the shortest focal length.
- See page 63 when the battery exhaustion symbol (▭▬) appears on the LCD panel.

Note:
To close the protective front cover, push the arrow indicated part and stop at the first click position. After confirming the lens is retracted, close the cover completely.

⚡ HOW TO HOLD THE CAMERA

Keep the camera as still as possible, and gently depress the shutter release button. (If too much force is applied, the camera is likely to shake, and the picture will be blurred.) Try to brace your elbows against a stable, stationary object such as a wall.

Notes:
- Do not hold the zoom lens because it moves back and forth while in operation.
- Make sure not to obstruct the autofocus window, lens, light sensor window or the built-in flash with your fingers, hair or other object.
- When using the flash with the camera positioned vertically, hold the camera so that the flash is above the lens.

When you move the zoom lever to the right (◆), the lens moves towards the 48mm setting and frames the subject more closely. When you move the zoom lever to the left (◆◆◆), the lens moves towards the 24mm setting. When the lens zooms to the desired setting, release the zoom lever and depress the shutter release button fully to take pictures.

- Do not apply force to the zoom lens as doing so causes damage to the camera.
- The shutter cannot be released while the lens is zooming.

TAKING PHOTOGRAPHS

After reading this operating manual you should be familiar with the functions available on the camera, and you will be ready to load the film.
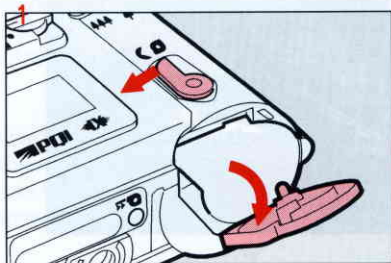
1 Move the film cartridge chamber lever as illustrated to open the film cartridge chamber cover.
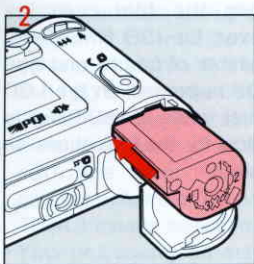
2 Load a new film cartridge as illustrated.
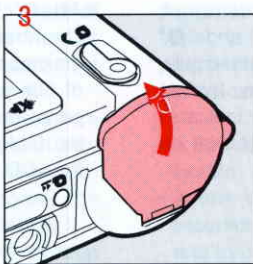
3 After the film cartridge chamber cover is closed, the film automatically advances to the first frame.
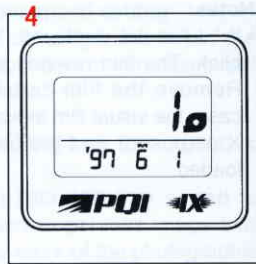
4 [¦] and (⊘) appear in the exposure counter on the LCD panel, the film automatically stops winding.

- Do not open the film cartridge chamber cover while the film is in mid-roll. Doing so may cause light leakage.

Notes:
- If " I " is not displayed, " E " and " $\mathbf{O}$ " blink. The film rewinds automatically. Remove the film cartridge. In this case, the visual film indicator indicates X (exposed) and the film cannot be loaded.

- After closing the film cartridge chamber cover, the ISO film speed, maximum number of frames and type of film will be appeared on the LCD panel until first frame is set. Refer to the table below for the indications on the LCD panel.

	Color Negative	Positive	Black & White	Other
Type of Film	$\mathsf{C}n$	$\mathsf{C}r$	$b\,l$	$\mathsf{O}t$
ISO film speed (e.g. ISO 100)	$\mathsf{100}$ **ISO**			
maximum number of frames (e.g. 25 frames)	$\mathsf{25}$ **EX**			

24

- A film cartridge with the ▶ , X , or ■ indicator cannot be used in this camera. If such a film is loaded, (E) and (⬤) blink on the LCD panel.
- To confirm the film speed maximum number of frames and type of film cartridge after closing the film cartridge chamber cover, depress the Title/Language selection button(⯈).
- Your processing lab may not develop IX240 films, consult them for details of their services.
- Use an IX240 type film in this camera. A 135 (35mm) film cannot be used.
- Do not place film cartridges near sources of the strong magnetic fields.

Automatic film speed setting
When a film cartridge is loaded, the proper film speed is automatically set for the camera.

- A film ISO rating from 25 - 10000 is usable.
- A film with ISO 400 film speed is recommended to get less image blur and to cover more of the photographic situations.

② SELECTING THE PRINT TYPE
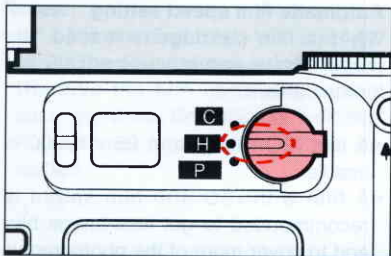
Three types of prints are chosen in this camera. The type of print can be switched in the mid-roll of a film.

Turn the print selection lever to select the desired print type.

Type C print	Type H print	Type P print

When the protective front cover is opened, the viewfinder field will be visible as shown above.
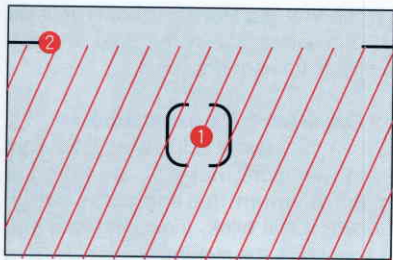
❶ Autofocus frame
Focus on the subject with this frame.

❷ Close distance compensation frame
- When the camera-to-subject distance is closer than 1.0 m, compose the scene within the red lined area.
- When the camera-to-subject distance is less than 1.0 m, type P print set is not recommended due to a substantial diffrence between what you see through the viewfinder verses the image you will obtain the actual picture taking area.
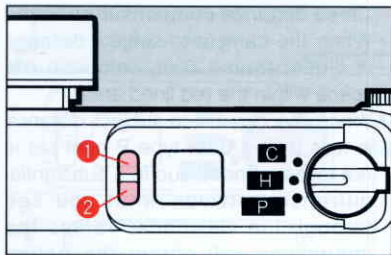
When you depress the shutter release button halfway down, the lamp ❶ and/or ❷ lights up or blinks.

❶ Green lamp (Focus status):
When the subject is in focus, it will light up to indicate that you can take the picture; when the subject is not in focus, it will blink, indicating that you cannot take the picture.

❷ Red lamp (Flash status):
When the flash is ready to discharge, it will light up. When the flash is being charged, it will blink.
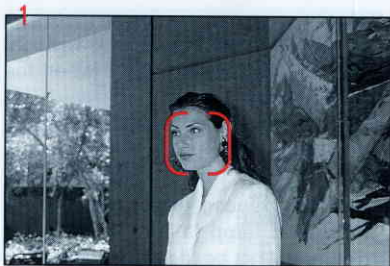
1 Composing the scene
Set the mode dial to (**AUTO**) or
(**AUTO** 👁). Focus on the subject
with the autofocus frame.
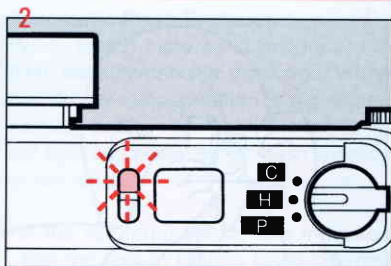
2 Checking the lamp indication
Depress the shutter release button
halfway down. When the subject is
in focus, the green lamp will light
up.

• If you wish to focus on another
subject, lift your finger from the shutter
release button and depress the
shutter button halfway down again.
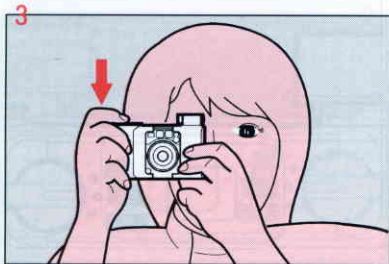
3 Depress the shutter release button fully. The shutter will be released.

Notes:
- Confirm that the green lamp will light up. The green lamp blinks when the subject is too close.
- The shooting range (effective camera-to-subject distance) of this camera is from 0.65m (2.1ft) to ∞ (infinity).
- You can release the shutter even if the green lamp is blinking. But the picture will not be focused properly.
- If the autofocus window is dirty, the antofocus may not function properly.
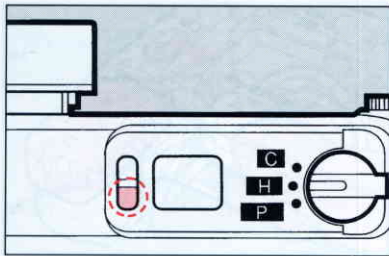
Automatic Flash Emission

When taking pictures in low light, the flash will automatically discharge. When the shutter release button is depressed halfway down in low light, the red lamp will light up, indicating the flash is ready to discharge.

• If the red lamp blinks, this indicates that the built-in flash is being charged and the shutter cannot be released.

Flash effective ranges (Negative-color film used)

ISO Lens	100	200	400
24mm(♦♦♦)	0.65 - 3.1 m (2.1 - 10.2 ft)	0.65 - 4.4 m (2.1 - 14.4 ft)	0.65 - 6.3 m (2.1 - 20.7 ft)
48mm(♦)	0.65 - 1.8 m (2.1 - 5.9 ft)	0.65 - 2.5 m (2.1 - 8.2 ft)	0.65 - 3.5 m (2.1 - 11.5 ft)

1 After you have exposed the last frame of the roll, the film rewinds automatically. Then, (🗋) and (🗗) blink on the LCD panel to indicate that the film has been rewound.

2 Open the film cartridge chamber cover by moving the film cartridge chamber lever to the left.
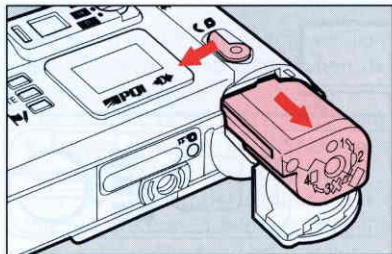
- A 25-exposure roll of film takes about 25 seconds to be rewound.
- During rewinding, the exposure counter counts frame numbers in reverse.
- The film cartridge with partially exposed ✕ cannot be removed.

32
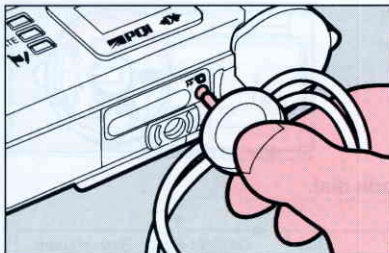
Rewinding a film in mid-roll
• If you wish to remove a film cartridge before exposing all the frames, follow steps 1 - 3.

1 Depress the mid-roll rewind button (►Ⓞ) with the part of the strap. The film rewinding starts.

2 When rewind is completed, the motor stops. (⏃) blinks, indicating that the film cartridge may be removed safely.

3 Confirm that (⏃) is blinking on the LCD panel.

• After rewinding the film in mid-roll, the film indicator indicates X , and the film cartridge cannot be loaded.

Note:
• Do not depress the button with an object having a sharp tip.

HOW TO SELECT EXPOSURE MODES

TAKING BETTER PHOTOGRAPHS
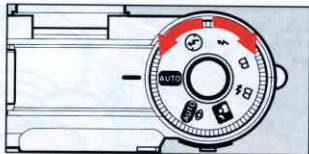
To set various exposure modes, turn the mode dial.

AUTO Exposure	AUTO Exposure	Slow-shutter-Speed	Bulb-Sync	Bulb	Daylight-Sync Exposure	Slow-shutter-Speed
AUTO	AUTO ⊙	🏠	B ⚡	B	⚡	🚫⚡
	Red-eye reduction	Red-eye reduction	Red-eye reduction			
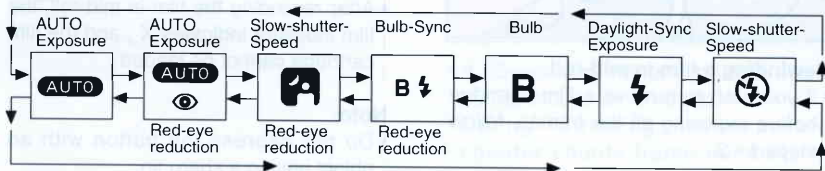
• For normal use, set the mode dial to the auto position.
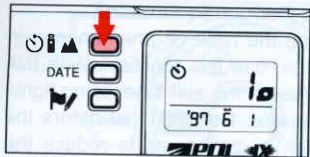
To set various shooting modes, depress the self-timer/remote control button (⏱🎭⛰).

Single-Frame Shooting → Self-Timer Shooting → Remote Control Shooting → Infinity-Landscape Shooting
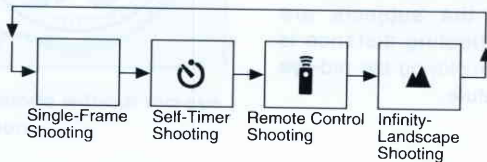
- In the Self-Timer Shooting and/or the Remote Control Shooting Mode, if the button (⏱🎭⛰) is depressed after the shutter is released, the Single-Frame Shooting Mode is returned.
- For normal use, set the Single-Frame Shooting Mode. When the protective front cover is closed, the Single-Frame Shooting Mode is returned.

35

What is the red-eye phenomenon in flash photography

When a picture is taken using a flash, a subject's eyes may appear red in the print. This phenomenon is caused by the reflection of the electronic flash in the retina. It can be reduced when the surrounding of the subjects are brightened, or shooting distance is shortened or by employing the red-eye reduction flash feature.

Red-Eye Reduction Function

To reduce the red-eye phenomenon in the picture, use this function. With this function used, the self-timer lamp lights up for approx. 1 second just before the main flash is discharged to reduce the appearance of the red-eye effect.

AUTO EXPOSURE MODE
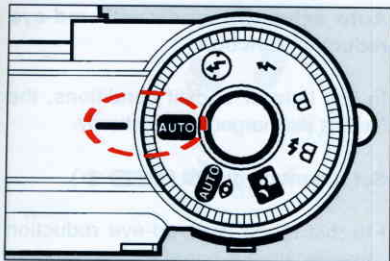
Auto exposure mode without red-eye reduction function

In low light or backlit conditions, the flash is discharged automatically.

Set the mode dial to (AUTO).

• In this mode, the flash is discharged but the red-eye reduction does not operate.
• See page 31 for the flash effective ranges.
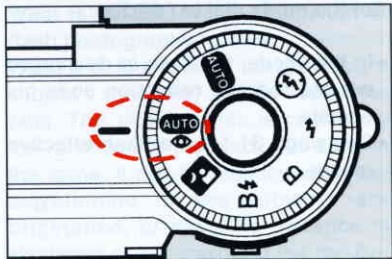
Auto exposure mode with red-eye reduction function

In low light or backlit conditions, the flash is discharged automatically.

Set the mode dial to (**AUTO** 👁).

- In this mode, the red-eye reduction function always operate.
- See page 36 for the red-eye reduction function.

Slow-Speed-Sync Shooting (Flash-On)
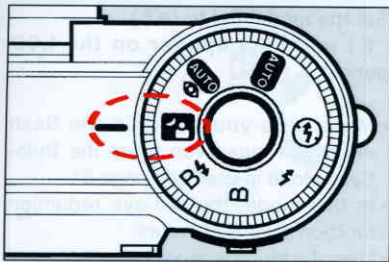
It is possible to photograph subjects and background in a balanced way by using the built-in flash to properly expose the foreground subject and a slow -speed to expose the low light background.

Set the mode dial to ( ).
The (⚡) and (◉) are appeared on the LCD panel.

- When shooting in low light, the shutter speed gets slower. Use of a tripod is recommended.
- In this mode, the red-eye reduction function always operates.
- Make sure that you are within the flash- effective range even when you use the built-in flash as a fill-in flash in daylight. See page 31.

BULB-SYNC SHOOTING
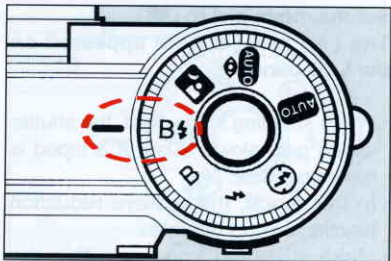
Bulb-Sync Mode (B ƒ)
This lets you use the flash in addition to the Bulb Mode, so you can take a portrait photograph with a night scene in the background, for example.

Set the mode dial to (B ƒ).
(ƒ) and (◉) appear on the LCD panel.

- Make sure you're within the flash effective range even when the Bulb-Sync Mode in use. See page 31.
- In this mode, the red-eye reduction function always operates.
- Use of a tripod is recommended.
- The shutter remains open up to 5 minutes as long as the shutter release button is held down.

BULB SHOOTING

Bulb Mode (B)

This mode is useful for long exposures required for shooting fireworks and night scenes, for example.

Set the mode dial to (B).
(☺) appears on the LCD panel.

- When using this mode, use of a tripod is recommended.
- The shutter remains open up to 5 minutes as long as the shutter release button is held.
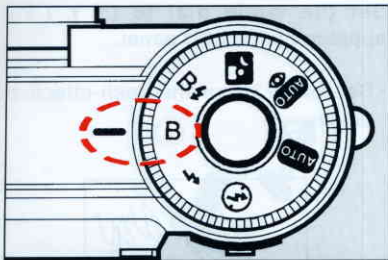
Bulb Mode, approx. 3 sec.
(ISO 400)

DAYLIGHT-SYNC SHOOTING
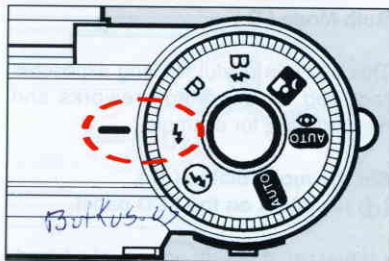
When a portrait is taken with the subject in a backlight situation, the front of the subject may be cast in shadow. In such a case, use this mode (Flash-ON mode).

This will ensure that a picture is well exposed without any shadow. In this mode, the flash will always discharge. The red-eye reduction does not function.

Set the mode dial to (↯). (↯) appears on the LCD panel.

• See page 31 for the flash-effective range.

Without Daylight-Sync

With Daylight-Sync

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SLOW SHUTTER SPEED (FLASH-OFF)

In this mode, the flash does not discharge. Use it in places where the flash photography is prohibited, such as in theaters and museums. Furthermore, this mode is also useful for a natural existing light effect in low ambient photography.

Set the mode dial to ( ). ( ) appears on the LCD panel.

• When shooting in low light, use of a tripod is recommended.

SELF-TIMER PHOTOGRAPHY
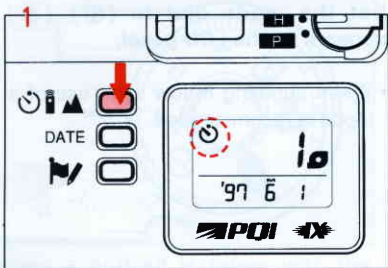
Self-Timer
Use the self-timer if you wish to get in the picture.

1 Depress the self-timer/remote control button until (⟳) appears on the LCD panel.
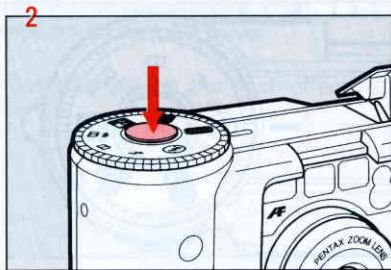
2 Focus on the subjects first by depressing the shutter release button halfway and then depress the shutter button fully.

• Use of a tripod is recommended.
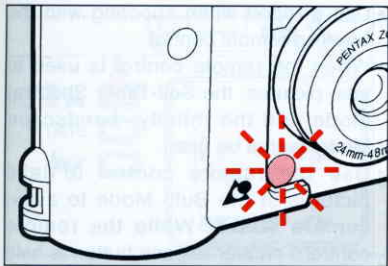
The shutter will be released in about 10 seconds. When the self-timer is working, the Self Timer symbol ($\circlearrowleft$) blinks on the LCD panel, and the Self-Timer lamp blinks 3 seconds before the shutter is released.

How to cancel

To cancel the self-timer at any time after its been activated, depress anyone of the buttons next to the LCD panel.

Notes on the self-timer shooting

- Use of a tripod is recommended.
- Do not stand in front of the camera when depressing the shutter release button; this will cause incorrect focus.
- The self-timer does not function while the flash is being charged.

USING WIRELESS REMOTE CONTROL (OPTION)

If you have purchased the optional wireless remote control, read this section.

The wireless remote control allows you to trip the shutter at a distance. The shutter will be released in 3 seconds after the shutter release button on the remote control is depressed.

Shutter release button
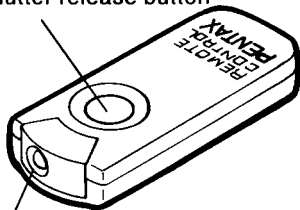
Remote control transmitter

- Use a tripod when shooting with the wireless remote control.
- When the remote control is used to take pictures, the Self-Timer Shooting Mode and the Infinity- Landscape Mode cannot be used.
- Use the remote control to take pictures in the Bulb Mode to avoid camera shake. While the remote control's shutter release button is held down, the shutter remains open up to a max. of 5 minutes.

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Remote Control Shooting Mode
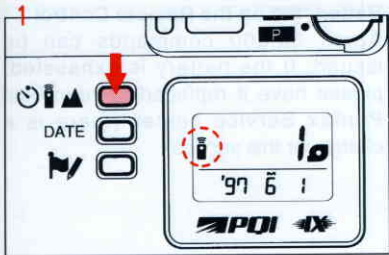
1 **Depress the camera's self-timer/ remote control button each time until (📷) appears on the LCD panel.**

• When the camera is set in the Remote Control Shooting Mode and left unused for 5 minutes, the lens automatically retracts to the shortest focal length.
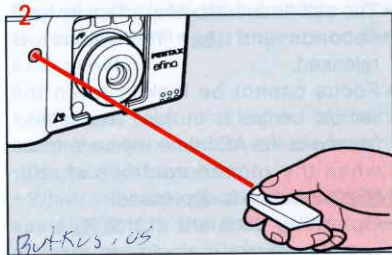
2 **Compose the scene and frame the subject with the AF frame.**

Aim the remote control transmitter towards the remote control receiver on the camera, and then depress the shutter release button on the remote control fully to release the shutter.

- The self-timer lamp blinks rapidly for 3 seconds and then the shutter is released.
- Focus cannot be locked when the remote control is in use. The subject framed in the AF frame will be in focus when the remote control's shutter release button is depressed.
- Operating distance of the wireless remote control is up to approx. 4m when used directly in front of the camera.
- The remote control may not work in a backlight situation. In this case, use the camera's shutter release button in the Self-Timer Mode to take pictures.
- The remote control does not work while the flash is being charged.

Battery life on the Remote Control
About 30,000 commands can be issued. If the battery is exhausted, please have it replaced at your local Pentax Service center (there is a charge for this service).

INFINITY-LANDSCAPE SHOOTING
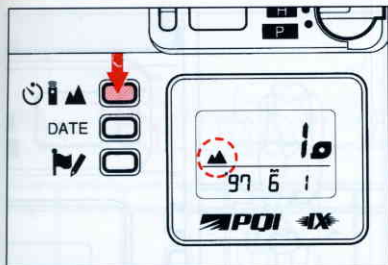
When you wish to take a sharp picture of a distant subject through a window, the Infinity-Landscape Mode allows you to capture distant scenery with clarity.

Depress the self timer/remote control button until (▲▲) appears on the LCD panel.

- After the picture is taken by fully depressing the shutter release button, this mode is canceled.
- When the mode dial is set to (AUTO) or (AUTO ⊙), the flash will not discharge even in dark light situations.

FOCUS-LOCK SHOOTING
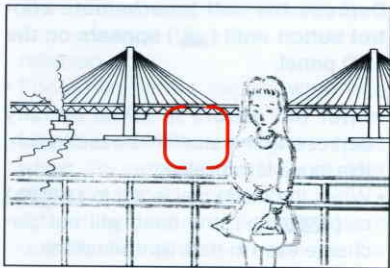
If you shoot without positioning the autofocus frame (〔 〕) on the main subject as shown above, only the background will be in focus. When the main subject is off the autofocus frame in the center of the viewfinder, use the focus-lock technique. (Focus lock is the function to lock focus.)
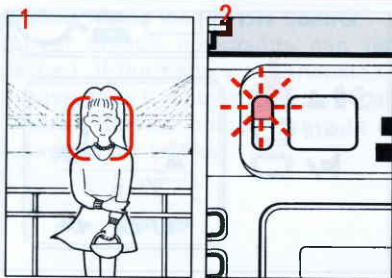
1 Focus on the subject with the autofocus frame (〔 〕).

2 When the shutter release button is depressed halfway down, the green lamp lights up and the exposure and focus are temporarily locked.
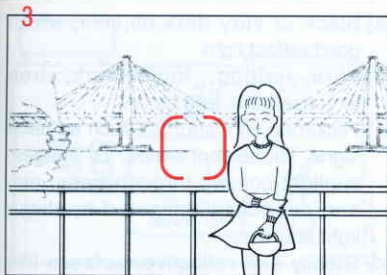
3 While depressing the shutter release button halfway, re-aim the camera or recompose the picture, then release the shutter.

- You can release focus lock simply by lifting your finger from the shutter release button.

HARD-TO-AUTOFOCUS SUBJECTS

The autofocus system is highly precise, but not perfect. Some subjects may not focus as you wish. In such a case, use the focus-lock technique on a subject near the actual one and equidistant from the lens. The subjects which may fool autofocus system include:

a) Black or very dark objects, which don't reflect light.
b) Wire netting, latticework, iron exercise bars, and etc.
c) Flickering light sources such as neon signs, fluorescent lamps, TV images, sunlight coming through trees, etc. and subjects illuminated by these light sources.
d) Glossy and reflective surfaces like glass, mirror, car bodies, etc.
e) Fast-moving subjects, like trains or automobiles in motion.
f) Water jets, water surface, smoke, flame, fireworks, etc. which have no distinct or consistent form, or a subject in mist.

Date and/or Time Imprinting
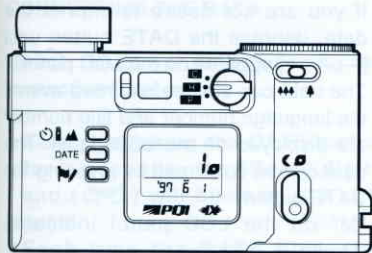
Your camera has an automatic calendar through the year 2030.
However, you should set the correct date and time when you first use your camera as well as you travel to a different time zone.

Switching the Mode
Press the DATE button with your finger, the mode on the LCD panel switches as shown in the chart.

```
Year Month Day
       ↓
  Hour Minute
       ↓
 -- -- -- (blank)
       ↓
 Month Day Year
       ↓
 Day Month Year
```
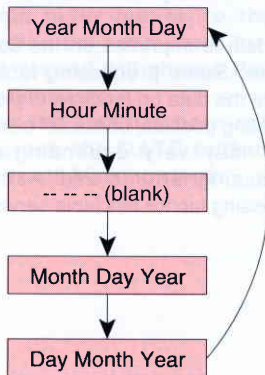
Notes:

- If the protective front cover is closed, the data cannot be switched.
- The data on the LCD panel is magnetically recorded on the film and is imprinted on a picture at a processing lab.
- The data is imprinted on the back of picture. Some processing labs can imprint the data on the front of picture.
- Imprinting position, character size, and color may vary depending on a processing lab you use. Ask your processing lab for available services.

- If you are not desire to imprint the data, depress the DATE button until [— — —] appears on the LCD panel.
- The data can also be recorded even if the language number and title number are displayed on the LCD panel. The data can be confirmed by pressing the DATE button.
- "M" on the LCD panel indicates "Month".
- If (▶✓) and data appear on the LCD panel, both title and data can be imprinted at the same time.

CORRECTING THE DATA

Switch the power on by opening the protective front cover.

1 Keep depressing the DATE button for 3 seconds, the "Year" digits and (<img>) will blink on the LCD panel.
2 Each time the DATE button is depressed, the blinking digits changes in the following manner:

Year - Month - Day - hours - Minutes

Stop depressing the button when desired digits appear.

3 Move the zoom lever to the right or left, when you wish to change the blinking digits. The digits increase by one each time the zoom lever moves to the right. The digits decrease by one each time the zoom lever moves to the left. Holding the zoom lever for about one second will change the digits continuously.
4 After the data has been adjusted, depress the DATE button each time until blinking stops.

- The blinking "minutes" allows precise fine-tuning of the internal clock to the beginning of a specified minute. To do so, when "minutes digits" are blinking, depress the DATE button in sync with a time signal.
- If you release the shutter while the blinking data is being corrected, the data cannot be recorded.

- When the battery is replaced, the time is initialized to 0 00 and no imprinting signs [— — —] are automatically set. Be sure to reset the time after the battery is replaced.
- Soon after the battery is replaced, the correction mode which the blinking date digits and (◥◤) can be obtained without depressing the DATE button for 3 seconds.
- "Year - Month - Day" and "Hour - Minute" cannot be imprinted at the same time.

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IMPRINTING TITLES
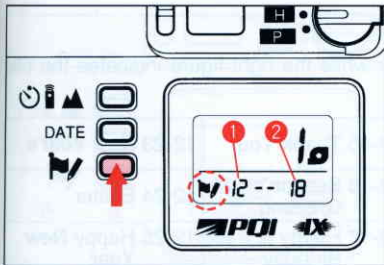
❶ Language number
❷ Title number

You can select a title from thirty-one different types and twelve languages and imprint it on your pictures.

Depress the Title/Language selection button until (🏳) appears on the LCD panel. If (🏳) is not displayed on the LCD panel, the title will not be imprinted.

• If (🏳) is displayed on the LCD panel, the title will be imprinted even if the data is displayed on the LCD panel. To confirm the language and title, depress the Title/Language selection button.

• If the language number 7 is set, the title will not be imprinted.

• Upon delivery from the factory, the language number 12 (British English) and title number (18 Congratulations) have been set. See page 59 for selecting the language and title.

• If you select the language and title other than English, see page 68 for the list of available titles.

LIST OF AVAILABLE TITLES

British English language number : 12
American English language number : 13
The left figure indicates the language number while the right figure indicates the title number.

12-0 Christmas	12-8 Party	12-15 Thank You	12-23 New Year's
12-1 Birthday	12-9 Holiday	12-16 Season's Greeting	12-24 Easter
12-2 Vacation	12-10 Anniversary of Marriage	12-17 Happy Birthday	12-25 Happy New Year
12-3 Honeymoon	13-10 Anniversary	12-18 Congratulations	12-26 Reunion
12-4 Wedding	12-11 Friend	12-19 Merry Christmas	12-27 Father's day
12-5 Hanukkah	12-12 School Event	12-20 Festiva	12-28 Mother's day
12-6 Graduation	12-13 Trip	12-21 First day of School	12-29 Memories
12-7 Family	12-14 I Love You	12-22 Tour	12-30 Baptism

SELECTING THE LANGUAGE AND TITLE
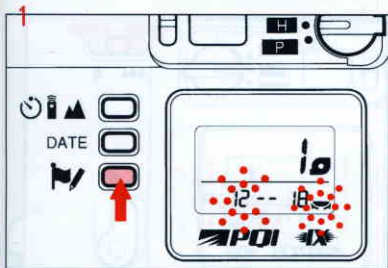
1 Keep depressing the Title/Language selection button with your finger for 2 seconds until the language number and zoom lever (👁) blink on the LCD panel.
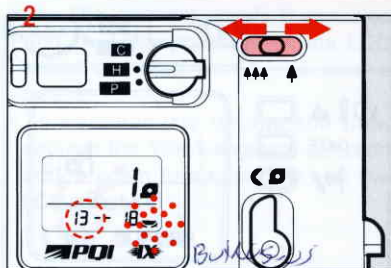
2 Move the zoom lever to the left or right until your desired language number 1 to 13 appear on the LCD panel.
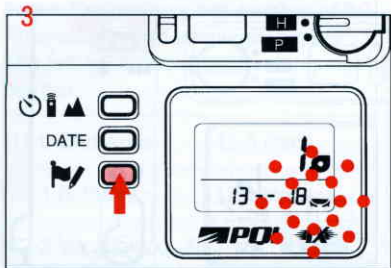
3 Depress the Title/Language selection button again to stop blinking the language number. The title number starts blinking.
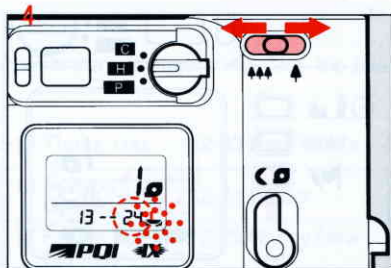
4 Move the zoom lever to the left or right until your desired title number 0 to 30 appears on the LCD panel.
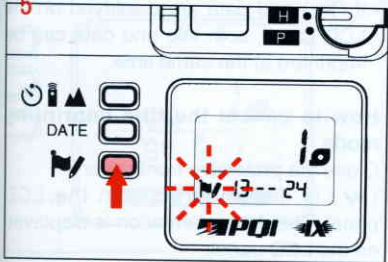
5 Depress the Title/Language selection button. (📮) lights up on the LCD panel. At the same time, the title number stops blinking and zoom lever disappears from the LCD panel.

- The title imprinting mode is canceled and (📮) disappears from the LCD panel on each frame you take a picture.
- To continuously imprint the title, depress the Title/Language selection button again to appear (📮) on the LCD panel.

Notes:
- If the protective front cover is closed, the title number cannot be changed.
- The title is magnetically recorded on the film and it will be printed on a picture at a processing lab.
- The title is imprinted on the back of picture. Some processing labs can imprint the title on the front of picture. The imprinting position, character size, and color may vary depending on a processing lab you use. Ask your processing lab for available services.

- If (▶✓) and data are displayed on the LCD panel, both title and data can be imprinted at the same time.

How to cancel the title imprinting mode

Close the protective front cover.

(▶✓) is disappeared from the LCD panel. The data information is displayed on the LCD panel.

BATTERY EXHAUSTION WARNING
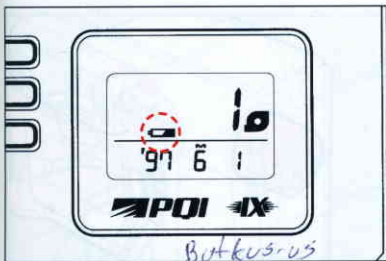
When the battery is nearly exhausted, the battery symbol (▭) appears on the LCD panel to warn you. Replace the battery as soon as possible. When (▭) starts blinking, no operations can be performed.

Battery life (using 25-exposure film rolls) :
Approx. 13 rolls using flash 50% of the time (using the CR-2 battery and under Pentax testing conditions). Actual battery life/performance may vary drastically depending on usage of Power Zoom, Flash and external conditions such as temperature and freshness of the battery.

INSTALLING/REPLACING BATTERY
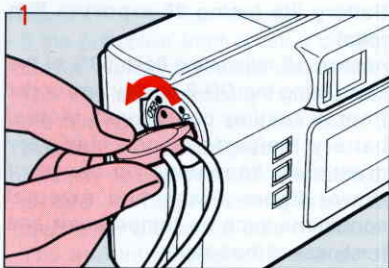
Ensure that the protective front cover is closed before replacing the battery.

1 Open the battery chamber cover by using the part of strap.
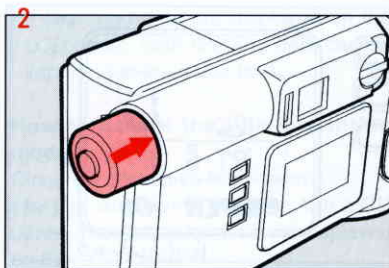
2 Insert one lithium battery with the plus/minus (+/−) sides matching the indications in the battery chamber.

Notes on replacing the battery:

- When the battery is replaced or removed, the time is initialized to 0 00. See page 55 for correcting the time.
- The date, title and number of exposed frames are memorized and unchanged even if the battery is replaced or removed.
- Use one 3V lithium battery (CR-2 or equivalent).
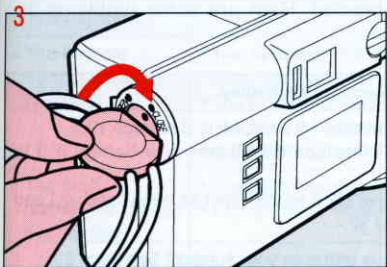
3 Close the battery chamber cover. Ensure that the cover is locked securely.

TROUBLESHOOTING

What appears troublesome may be easily remedied. Here are some problems that may occur and their remedies.

Symptoms	Causes and Remedies
1 The shutter cannot be released.	• Is the protective front cover closed ? If so, open it. See page 19. • Is the battery exhausted? Replace it or insert new battery if it is exhausted. See page 64. • Is [0] blinking on the LCD panel? If so, the film has been used up. Load a new film. See page 22 and 32.
2 My printed pictures don't look very clear.	• Did you position the autofocus frame on your subject? See page 29. • Did you obstruct the autofocus window with your fingers, hair or other object when you depress the shutter release button? See page 20. • Is the autofocus window dirty? Wipe it off. See page 30.
3 Lens retracts automatically.	• The lens retracts automatically if the camera is left unused for over 3 minutes. See page 19. • When the camera is ON and left unused for more than 5 minutes in the Remote Control shooting mode, the lens retracts automatically. See page 47.

Symptoms	Causes and Remedies
4 The Remote Control does not operate.	• The operable distance of the Remote Control is approx. 4m from the front. See page 48. • The Remote Control may not operate in a backlit situation. See page 48. • The flash is being charged. Wait until it fully charges. See page 48. • Is the battery for the remote control exhausted? See page 48.
5 The flash discharges, though it is not dark.	• The flash discharges automatically in a backlit situation. See page 31. • Daylight sync mode has been set. See page 42.
6 The film cartridge cannot be removed.	• The film cartridge with partially exposed cannot be removed. See page 32.
7 The [U] mark appears.	• If the mark disappears when the zoom lever is moved, the camera is ready for use. The camera may be defective if the mark appears often.
8 [HL] and/or [H] marks appear.	• Replace the battery. If the mark disappears when closing and opening the protective front cover, the camera is ready for use. The camera may be defective if the mark appears often.

LIST OF AVAILABLE TITLES

Danish

1--0	Jul	1--16	Glædelig Jul og Godt Nyt År!
1--1	Fødselsdag	1--17	Tillykke med dagen!
1--2	Ferie	1--18	Tillykke
1--3	Bryllupsrejse	1--19	Glædelig Jul
1--4	Bryllup	1--20	Festival
1--5	—	1--21	Første skoledag
1--6	Dimission	1--22	På tur
1--7	Familie	1--23	Nytår
1--8	Fest	1--24	Påske
1--9	Helligdag	1--25	Godt Nytår!
1--10	Årsdag	1--26	Genforening
1--11	Venner	1--27	Farsdag
1--12	Skolebgivenhed	1--28	Morsdag
1--13	Rejse	1--29	Minder
1--14	Jeg elsker dig	1--30	Barnedåb
1--15	Mange tak!		

Finish

2--0	Joulu	2--16	Hyvää joulua ja onnellista uutta vuotta!
2--1	Syntymäpäivä	2--17	Paljon onnea!
2--2	Loma	2--18	Onneksi olkoon
2--3	Kuherruskuukausi	2--19	Hyvää joulua
2--4	Häät	2--20	Juhla
2--5	—	2--21	Ensimmäinen koulupäivä
2--6	Valmistujaiset	2--22	Tutustumismatka
2--7	Perhe	2--23	Uusi vuosi
2--8	Kutsut	2--24	Pääsiäinen
2--9	Juhlapäivä	2--25	Onnellista uutta vuotta!
2--10	Vuosipäivä	2--26	Jälleennäkeminen
2--11	Ystävät	2--27	Isänpäivä
2--12	—	2--28	Äitienpäivä
2--13	Matka	2--29	Muistoja
2--14	Rakastan sinua	2--30	Ristiäiset
2--15	Kiitos		

French

3--0	Noël	3--16	Meilleurs Voeux
3--1	Anniversaire	3--17	Joyeux anniversaire
3--2	Vacances	3--18	Félicitations
3--3	Lune de miel	3--19	Joyeux Noël
3--4	Mariage	3--20	Festival
3--5	Hanouccah	3--21	Rentrée Scolaire
3--6	Remise des Diplômes	3--22	Tour
3--7	Famille	3--23	Nouvelle Année
3--8	Réception	3--24	Pâques
3--9	Fête	3--25	Bonne Année
3--10	—	3--26	Réunion
3--11	—	3--27	Fête des Pères
3--12	Evenement Scolaire	3--28	Fête des Mères
3--13	Voyage	3--29	Souvenirs
3--14	Je t'aime	3--30	Baptême
3--15	Merci		

German

4--0	Weihnachten	4--16	—
4--1	Geburtstag	4--17	Herzlichen Glückwunsch zum Geburtstag
4--2	Urlaub	4--18	Herzliche Glückwünsche
4--3	Hochzeitsreise	4--19	Fröhliche Weihnachten
4--4	Hochzeit	4--20	Festival
4--5	—	4--21	Erster Schultag
4--6	Abschlußfeier	4--22	Tour
4--7	Familie	4--23	Neujahr
4--8	Party	4--24	Ostern
4--9	Feiertag	4--25	Frohes Neues Jahr
4--10	Jubiläum	4--26	Treffen
4--11	Freunde	4--27	Vatertag
4--12	Schulveranstaltung	4--28	Muttertag
4--13	Reise	4--29	Erinnerungen
4--14	Ich liebe Dich	4--30	Taufe
4--15	Dankeschön		

Italian

5--0	Natale	5--16	Buone Feste
5--1	Compleanno	5--17	Buon Compleanno
5--2	Vacanze	5--18	Congratulazioni
5--3	Luna di Miele	5--19	Buon Natale
5--4	Matrimonio	5--20	Festival
5--5	Hanukká	5--21	Primo giorno di scuola
5--6	Laurea	5--22	Tour
5--7	Famiglia	5--23	Capodanno
5--8	Festa	5--24	Pasqua
5--9	Feste	5--25	Felice Anno Nuovo
5--10	Anniversario	5--26	Riunione
5--11	Amici	5--27	Festa del Papà
5--12	Evento Scolastico	5--28	Festa della Mamma
5--13	Viaggio	5--29	Ricordi
5--14	Ti amo	5--30	Battesimo
5--15	Grazie		

Japanese

6--0	クリスマス	6--16	—
6--1	タンジョウビ	6--17	オタンジョウビオメデトウ
6--2	キュウカ	6--18	オメデトウ
6--3	シンコンリョコウ	6--19	メリークリスマス
6--4	ケッコン	6--20	オマツリ
6--5	—	6--21	ニュウガク
6--6	ソツギョウ	6--22	リョコウ
6--7	ファミリー	6--23	ショウガツ
6--8	パーティ	6--24	フッカツサイ
6--9	ホリデー	6--25	アケマシテオメデトウ
6--10	キネンビ	6--26	ドウソウカイ
6--11	トモダチ	6--27	チチノヒ
6--12	ガッコウギョウジ	6--28	ハハノヒ
6--13	—	6--29	オモイデ
6--14	アイラブユー	6--30	センレイ
6--15	アリガトウ		

Norwegian

8--0	Jul	8--16	God Jul og Godt Nytt År!
8--1	Fødselsdag	8--17	Gratulerer med fødselsdagen!
8--2	Ferie	8--18	Gratulerer!
8--3	Bryllupsreise	8--19	God Jul
8--4	Bryllup	8--20	Festival
8--5	—	8--21	Første skoledag
8--6	Avangseksamen	8--22	På tur
8--7	Familie	8--23	Nyttår
8--8	Fest	8--24	Påske
8--9	Helligdag	8--25	Godt Nytt År!
8--10	Årsdag	8--26	Gjenforening
8--11	Venner	8--27	Farsdag
8--12	Skolebegivenhet	8--28	Morsdag
8--13	Reise	8--29	Minner
8--14	Jeg elsker deg	8--30	Barnedåp
8--15	Mange takk!		

Portuguese

9--0	Natal	9--16	Boas Festas
9--1	Aniversário	9--17	Feliz Aniversário
9--2	Férias	9--18	Parabéns
9--3	Lua de mel	9--19	Feliz Natal
9--4	Casamento	9--20	Festival
9--5	—	9--21	Primeiro dia de aula
9--6	Formatura	9--22	Excursão
9--7	Família	9--23	Ano Novo
9--8	Festa	9--24	Páscoa
9--9	Feriado	9--25	Feliz Ano Novo
9--10	Aniversário	9--26	Reunião
9--11	Amigos	9--27	Dia dos Pais
9--12	Eventos escolares	9--28	Dia das Mães
9--13	Viagem	9--29	Lembranças
9--14	Eu te amo	9--30	Batizado
9--15	Obrigado		

Spanish

10--0	Navidad	10--16	Felices Pascuas
10--1	Cumpleaños	10--17	Feliz cumpleaños
10--2	Vacaciones	10--18	Felicidades
10--3	Luna de miel	10--19	Feliz Navidad
10--4	Boda	10--20	Festival
10--5	—	10--21	Primer día de colegio
10--6	Graduación	10--22	Tour
10--7	Familia	10--23	Año Nuevo
10--8	Fiesta	10--24	Pascua de Resurrección
10--9	Fiesta	10--25	Feliz Año Nuevo
10--10	Aniversario	10--26	Reencuentro
10--11	Amigos	10--27	Día del Padre
10--12	Acto escolar	10--28	Día del la Madre
10--13	Viaje	10--29	Recuerdos
10--14	Te quiero	10--30	Bautismo
10--15	Gracias		

Swedish

11--0	Jul	11--16	God Jul och Gott Nytt År!
11--1	Födelsedag	11--17	Grattis på födelsedagen
11--2	Semester	11--18	Gratulerar!
11--3	Smekmånad	11--19	God Jul
11--4	Bröllop	11--20	Festival
11--5	—	11--21	Första skoldagen
11--6	Avgångsexamen	11--22	Rundtur
11--7	Familj	11--23	Nyår
11--8	Fest	11--24	Påsk
11--9	Helgdag	11--25	Gott Nytt År!
11--10	Årsdag	11--26	Återförening
11--11	Vänner	11--27	Fars dag
11--12	Skolevenemang	11--28	Mors dag
11--13	Resa	11--29	Minnen
11--14	Jag älskar dig	11--30	Barndop
11--15	Tack så mycket!		

British English

12--0	Christmas	12--16	Season's Greetings
12--1	Birthday	12--17	Happy Birthday
12--2	Vacation	12--18	Congratulations
12--3	Honeymoon	12--19	Merry Christmas
12--4	Wedding	12--20	Festival
12--5	Hanukkah	12--21	First day of School
12--6	Graduation	12--22	Tour
12--7	Family	12--23	New Year's
12--8	Party	12--24	Easter
12--9	Holiday	12--25	Happy New Year
12--10	Anniversary of Marriage	12--26	Reunion
12--11	Friends	12--27	Father's Day
12--12	School Event	12--28	Mother's Day
12--13	Trip	12--29	Memories
12--14	I Love You	12--30	Baptism
12--15	Thank You		

American English

13--0	Christmas	13--16	Season's Greetings
13--1	Birthday	13--17	Happy Birthday
13--2	Vacation	13--18	Congratulations
13--3	Honeymoon	13--19	Merry Christmas
13--4	Wedding	13--20	Festival
13--5	Hanukkah	13--21	First day of School
13--6	Graduation	13--22	Tour
13--7	Family	13--23	New Year's
13--8	Party	13--24	Easter
13--9	Holiday	13--25	Happy New Year
13--10	Anniversary	13--26	Reunion
13--11	Friends	13--27	Father's Day
13--12	School Event	13--28	Mother's Day
13--13	Trip	13--29	Memories
13--14	I Love You	13--30	Baptism
13--15	Thank You		

SPECIFICATIONS

Type:	X240 fully automatic lens-shutter with built-in zoom lens and auto flash
Film:	IX240 cartridge film with auto film speed setting ISO rating from 25-10000 (1/3EV step).
Picture format:	16.7 x 30.2mm
Film loading:	One touch drop-in loading. Closing the film chamber cover will automatically wind the film to first exposure.
Film winding:	Auto film winding (single-frame)
Film rewinding:	Auto film rewinding at the end of roll. Auto stop upon completion of rewinding.
Rewinding time:	approx. 25 sec. with 25-exposure film. Rewinding in mid-roll provided.
Frame number:	Automatic readout of successive frame numbers in ascending order when shooting, and descending order when rewinding.
Lens:	Pentax power zoom 24 - 48mm f/4.5 - 8 lens 5 elements in 5 groups, Angle of view: 71° - 39.5°
Focusing system:	Pentax infrared active autofocus system. Autofocusing range: 0.65m (2.1 ft) - infinity, Maximum magnification: approx. 1/13X, Focus lock is provided, Infinity-landscape mode (focus is fixed to infinity)
Zooming:	Electronic zoom
Shutter:	Programmed AE electronic shutter with speed, approx. 1/400-1/3 sec., Bulb: 1/2 sec.-5 min, Electromagnetic release.

Self-timer: ——————— Electronic lamp indication. Approx.10 sec.,Cancellation after activation is possible.

Viewfinder: ——————— Actual image zoom viewfinder, Viewfinder area: 83% (H-type format), Magnification: 0.34X (24mm WIDE) - 0.58X(48mm TELE), AF frame, Picture frame, Close distance compensation frame, Green lamp lighting: in-focus signal, Green lamp blinking: When subject is too close and/or hard-to-autofocus subject, Red lamp lighting: Flash-ready status, Red lamp blinking: Flash being charged,

Exposure control: ——— Programmed auto-exposure control with multi (2) metering system, Range: EV9.5 - EV16 at 24mm, EV11.5 - EV18 at 48mm in Auto or Daylight-Sync Mode (ISO 400), EV8 - EV16 at 24mm Ev8 - EV18 at 48mm in Slow-Shutter-Speed Mode (ISO 400), Automatic exposure compensation in a backlit situation.

Flash: ————————— Built-in flash with red-eye reduction mode, Automatic discharge in low lighting and backlighting situations in auto mode, Flash ON=Day-light Sync/Slow-Shutter- Speed Sync (up to 1/3 sec.), Flash-OFF Mode, Bulb- Sync 1/2 sec. - 5min.

Flash effective range: —— 0.65 - 6.3m (24mm), 0.65 - 3.5m (48mm) (ISO 400 film used).

Flash recycling time: —— Approx. 5 sec. under Pentax testing conditions.

Power source: ————— One 3V lithium battery (CR-2 or the equivalent)

| **Battery life:** | Approx. 13 rolls of 25 exposure film when 50% of shooting uses flash (under Pentax testing conditions). |

Battery exhaustion warning: ── (🔋) appears on the LCD panel, Shutter is locked when (🔋) is blinking.

Imprinting function: ── Crystal quartz controlled, LCD with digital clock, auto calendar up to 2030. Magnetic recording on the film. "Year, Month and Day", "Day, Hour and Minutes", " — — — blank", "Month, Day and Year" or "Day, Month and Year". 31 titles and 12 languages are possible to imprint.

Size & Weight: ── 97(W) x 58(H) x 36.5(D)mm (3.8" x 2.3" x 1.4"), 155g(5.5.oz) without battery

REMOTE CONTROL (optional)

Infrared wireless remote control, 3-seconds delay shutter release, Effective range: Closer than 4m when projected from the camera's front.

Power source for Remote control: ── One lithium battery CR1620 (replaced by Pentax Service facility)

Size & weight for Remote Control: ── 22.0(W) x50.0(L) x9.5(D)mm (0.9" x2.0" x0.4"), 9g(0.3oz) including battery

SPECIFICATIONS ARE SUBJECT TO CHANGE AT ANY TIME WITHOUT NOTIFICATION OR ANY OBLIGATION ON THE PART OF THE MANUFACTURER.

MODE DIAL

DRIVE BUTTON

FOR SHARP PICTURE OF DISTANT SUBJECT THROUGH WINDOW

SELF-TIMER ON (10 SEC.)

REMOTE CONTROL, 3 SEC. DELAY

AUTOMATIC FLASH

AUTOMATIC FLASH WITH RED-EYE REDUCTION

SLOW SHUTTER, FLASH-ON WITH RED-EYE REDUCTION

BULB, FLASH-OFF WITH RED-EYE REDUCTION

BULB, FLASH-OFF

DAYLIGHT, FLASH-ON

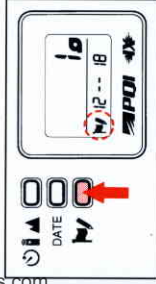SLOW SHUTTER, FLASH-OFF

SHUTTER STAYS OPEN FOR AS LONG AS YOU PRESS SHUTTER RELEASE BUTTON

PENTAX efina

HOW TO SELECT LANGUAGE AND TITLE

1 Depress ⚑ button for 2 cec. The language number and ⚑ brinks on the LCD panel.

2 Select the language number by moving the Zoom Lever.

3 Depress the ⚑ button to stop blinking the language number. The title number starts blinking.

4 Select the Title number (0-30) by the Zoom Lever.

5 Depress ⚑ button. ⚑ and Title number stop blinking. ⚑ disappear from LCD panel.

PENTAX efina

You can select a title from thirty-one different types and imprint it on your pictures. Depress the ⚑ button until ⚑ appears.If ⚑ is not displayed on the LCD panel, the title will not be imprinted.
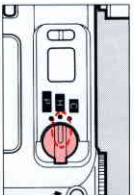
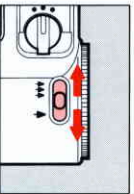# FOR YOUR REFERENCE, KEEP THIS CARD WITH THE CAMERA.
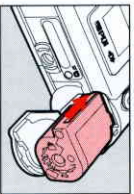
1 INSERT FILM CARTRIDGE
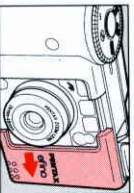
2 TURN POWER ON

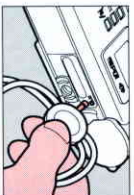## 3 SELECT PRINT TYPE

HOW TO REWIND FILM MID ROLL

4 OPERATE ZOOM LEVER

5 CENTER AF FRAME OVER SUBJECT

PUSH BUTTON

British English language number : 12. American English language number : 13. The left figure indicates the language number while the right figure indicates the title number.

12-0 Christmas	12-8 Party	12-15 Thank You	12-23 New Year's
12-1 Birthday	12-9 Holiday	12-16 Season's Greeting	12-24 Easter
12-2 Vacation	12-10 Anniversary of Marriage	12-17 Happy Birthday	12-25 Happy New Year
12-3 Honeymoon	13-10 Anniversary	12-18 Congratulations	12-26 Reunion
12-4 Wedding	12-11 Friend	12-19 Merry Christmas	12-27 Father's day
12-5 Hanukkah	12-12 School Event	12-20 Festiva	12-28 Mother's day
12-6 Graduation	12-13 Trip	12-21 First day of School	12-29 Memories
12-7 Family	12-14 I Love You	12-22 Tour	12-30 Baptism