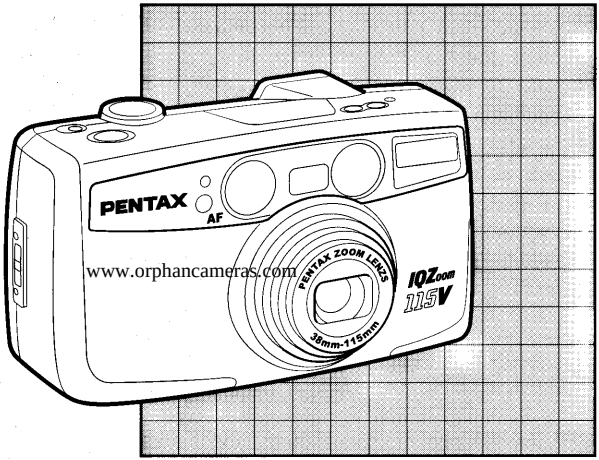
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PENTAX™

IQZoom115V

IQZoom115V DATE

OPERATING MANUAL



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Congratulations on your purchase of the PENTAX **IQZoom115V** and welcome to the world of Pentax zoom compact photography! Your compact, light weight camera is a great companion to preserve your favorite memories.

- Please read this manual carefully before operating the camera to take consistently superior pictures.
- Pay special attention to the cautions and notes in this Operating Manual. Pictures and illustrations shown herein may differ from the camera's actual appearance.
- Illustrations in this operating manual are the DATE MODEL.

Icon indications used in this manual

Operational direction	
Automatic operation	
Attention	
Lamp lighted	
Lamp blinking	
Correct	
Incorrect	

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TAKING PHOTOGRAPHS

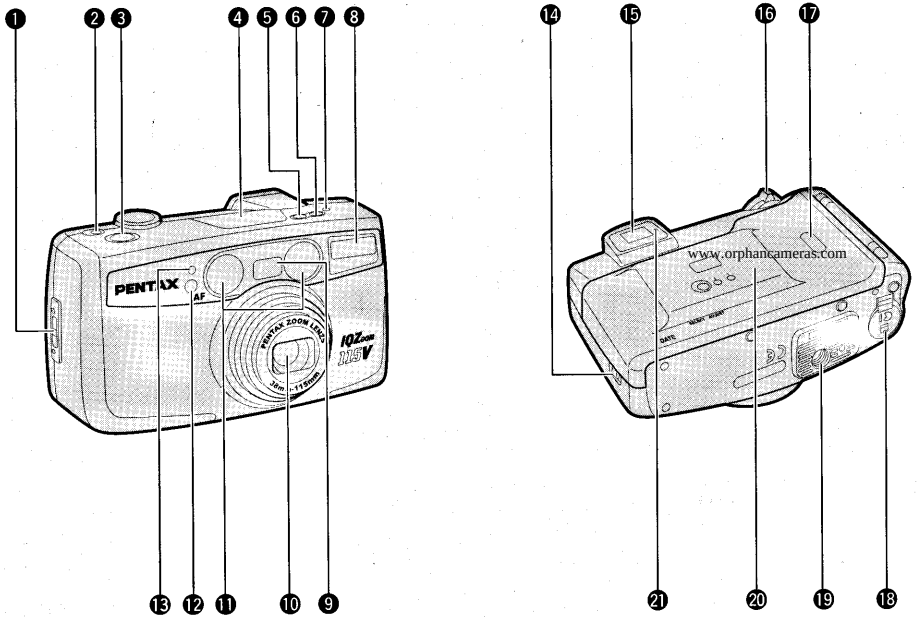
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NAMES OF WORKING PARTS

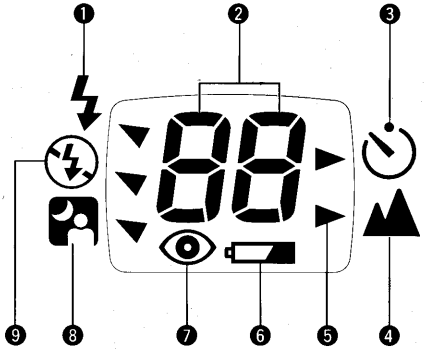
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- ❶ Strap lug (p.7)
- ❷ Main switch (p.9)
- ❸ Shutter release button (p.9)
- ❹ LCD panel
- ❺ Flash mode button (P.20)
- ❻ Self-timer/AF infinity-landscape button (p.20)
- ❼ Mid-roll rewind button (P.21)
- ❽ Built-in flash
- ❾ Viewfinder window
- ❿ Zoom lens
- ⓫ Autofocus window
- ⓬ Self-timer lamp (p.23)
- ⓭ Light sensor window (P.22)
- ⓮ Back cover release lever (p.16)
- ⓯ Viewfinder eyepiece
- ⓰ Zoom lever (p.15)
- ⓱ Film information window
- ⓲ Battery chamber cover (p.14)
- ⓳ Tripod socket
- ⓴ Back cover
- ㉑ Green lamp

LCD panel



- ❶ Flash ON
- ❷ Exposure counter
- ❸ Self-timer
- ❹ Infinity-landscape mode
- ❺ Arrow mark
- ❻ Battery exhaustion warning
- ❼ Red-eye reduction flash mode
- ❽ Slow shutter speed mode
- ❾ Flash OFF

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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 the warranty. If the difficulty is caused as a direct result of the product being used in conditions as out lined in the other operation contrary to the instructions outlined in this manual, charges will be assessed or a repair quotation 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.
- Keep a spare battery on hand for replacement convenience when shooting outdoors or while traveling.
- When the camera is in a bag, make sure the main switch is OFF position. Otherwise, battery power may be wasted if the shutter release button is accidentally pushed.
- Be sure to keep the battery out of the reach of children.

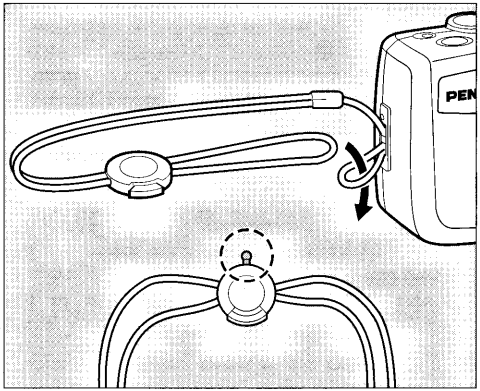
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PREPARATIONS BEFORE TAKING PHOTOGRAPHS

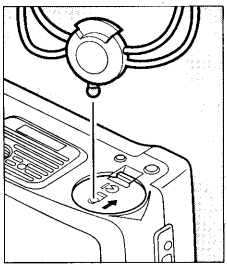
For optimum performance you should familiarize yourself with certain fundamentals before taking any pictures.

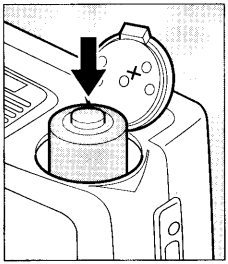
STRAP ATTACHMENT

Fit the strap on the camera as illustrated.
Use the illustrated part of the strap for opening the battery chamber cover, adjusting the data on the Date model, or pushing the mid-roll rewind button to rewind a film before exposing all frames.



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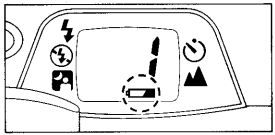


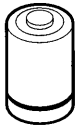


Ensure that the power is off before replacing the battery.

1. Open the battery chamber cover by pulling the cover lock in the direction of the arrow with the strap clamp's protrusion.
2. Insert one lithium battery (CR123A or the equivalent) with the plus/minus (+/–) sides matching the indications in the battery compartment.
3. Close the battery chamber cover. Ensure that the cover is locked with a click.

- If the battery is loaded correctly, the zoom lens moves slightly and the motor operates for a few seconds.
- On the DATE MODEL, the data is initialized when the battery chamber cover is opened. After opening the battery chamber cover, correct the data. See page 9.





BATTERY EXHAUSTION WARNING

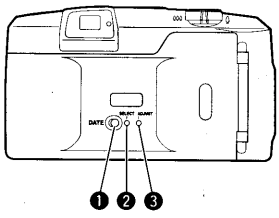
When the battery is nearly exhausted, the battery symbol ( ) appears on the LCD panel to warn you. Replace the battery as soon as possible. When ( ) starts blinking, no operations can be performed.

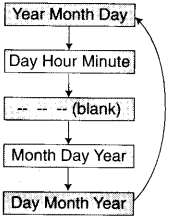
Battery life (using 24-exposure film rolls):

Approx. 15 rolls when 50% of the time uses flash (using the CR123A 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.

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DATE MODEL If you purchased the DATE MODEL, read this section.





Notes:

- The data on the LCD panel will be imprinted on the film.
- "----" indicates no data will be imprinted.
- "M" on the LCD panel indicates "Month".
- The DATE model records dates up to the year 2049 on pictures.

Switching the Mode

Depress the DATE button ❶ with your finger, the mode on the LCD panel switches as shown in the chart.

Correcting the date

Use the strap clamp's protrusion to depress the SELECT ❷ and ADJUST ❸ buttons.

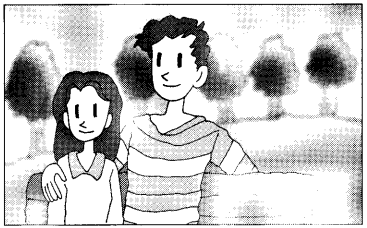
1. To select the category of digits that you wish to change, depress the SELECT button ❷ repeatedly until the digits on the LCD panel that wish to change begin to blink.
2. Depress the ADJUST button ❸ to change digits of the specified category you chose with the SELECT button ❷. Digits increase by one each time you depress the ADJUST button ❸. Holding down the button will advance digits continuously.
3. After the data has been adjusted, depress the SELECT button ❷. The bar mark (-) appears on the LCD panel, indicating that data imprinting choices are possible.

- The blinking " : " allows precise fine-tuning of the internal clock to the beginning of a specified minute. To do so, depress the DATE button ❶ until "Day-Hour-Minute" digits appear and then depress the SELECT button ❷ to make the " : " blink. Then depress the ADJUST button ❸ in sync with a time signal.
- If you release the shutter while the blinking data is being corrected, the data cannot be imprinted.

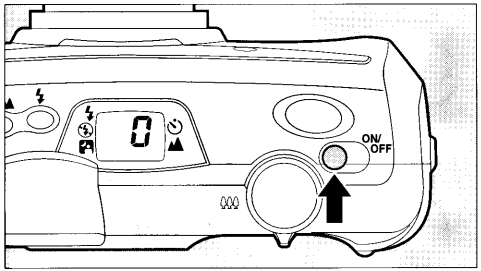
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Operational precautions

- As you release the shutter, the bar(-) mark on the display blinks for a few seconds, indicating the data has been imprinted.
- If there is a white or yellow object in the corner of the picture where the data is imprinted, the data may be difficult to read. When composing your photographs, try to avoid brightly colored subjects in that corner.



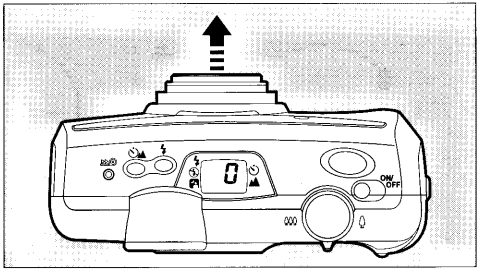
www.48pcameras.com



MAIN SWITCH

Push the main switch button to switch ON. The lens extends slightly and the LCD panel is now on. To switch OFF, push the main switch button again.

- If the camera is ON and left unused for over 3 minutes, the lens automatically retracts and the power is turned off to save the battery.
- Use one 3V lithium battery, type CR123A or the equivalent. Do not remove the battery before it is exhausted. If the battery is removed, the data on the DATE MODEL is initialized.

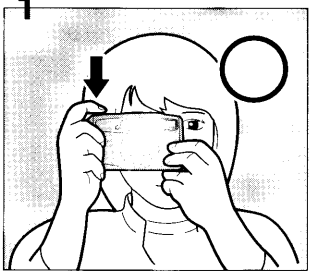


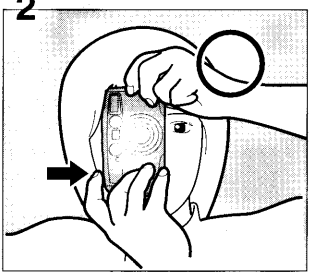
BATTERY CHECK

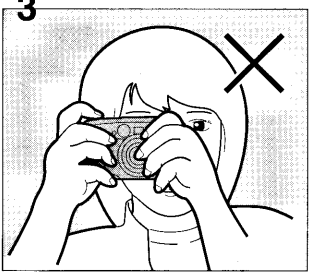
After you turn the main switch ON, the lens slightly extends and the lens cover opens.

- See page 8, when the battery exhaustion symbol ( ) appears on the LCD panel.

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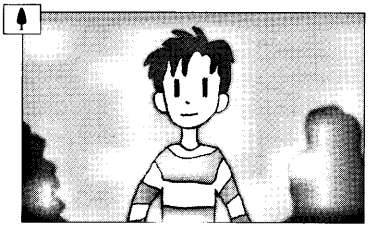


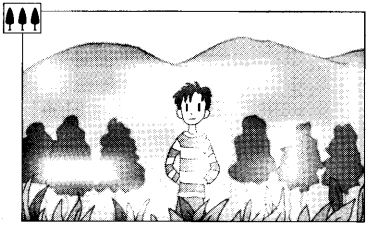
1. Keep the camera as still as possible and steady it against your face. Depress the shutter release button gently. (If too much force is applied, the camera is likely to shake, and the picture will be blurred.) Try to brace your elbows against a stable, stationary object such as a wall.
2. When using the flash with the camera positioned vertically, hold the camera so that the flash is above the lens.
3. Make sure not to obstruct the autofocus window, lens, light sensor window or the built-in flash with your fingers, hair or other object.

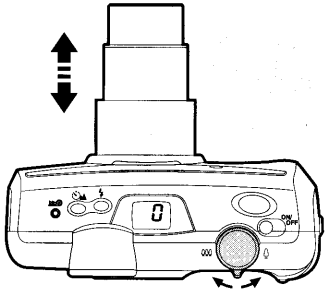
Note:

- Do not hold the zoom lens because it moves back and forth while in operation.

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When you move the zoom lever to the right ( ), the lens moves towards the 115mm telephoto setting and frames the subject more closely. When you move the zoom lever to the left ( ), the lens moves towards the 38mm wide-angle setting.

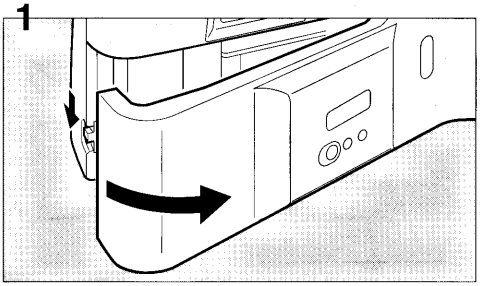
Notes:

- The shutter cannot be released while the lens is zooming.
- Do not apply force to the zoom lens as doing so causes damage to the camera.
  Never place the zoom lens with the front side facing downward.

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TAKING PHOTOGRAPHS

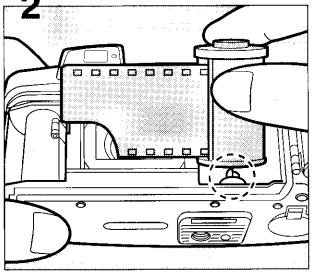
After reading this operating manual, you should be familiar with the functions available on the camera, and you're ready to load the film.

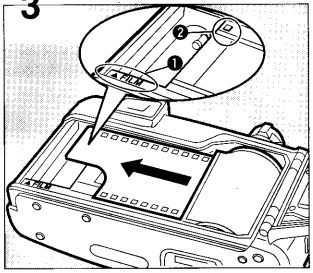


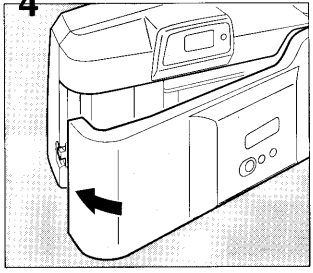
Ensure the main switch is ON before loading the film.

1. Slide the back cover release lever down in the direction of the arrow to open the back cover.

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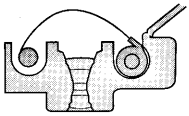




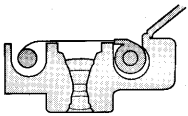
2. Place the film cartridge in the film chamber by fitting its flat side on the top of the rewind shaft first and then slide the top end of the film cartridge into the camera.
3. Pull the film leader out far enough from the cartridge to reach the take-up spool. Align the tip of the film with the film leader end mark ❶ [▲ FILM].
   Make sure the film is placed between the top and bottom guides properly.
4. Close the back cover. The film automatically advances to the first frame.

Notes:

- If there is dirt on the film detector ❷, the film cannot be wound properly.
- Ensure the film is taut as illustrated on the illustration below. Take up any slack in the film by pushing it back into the cartridge.

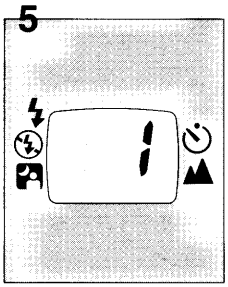


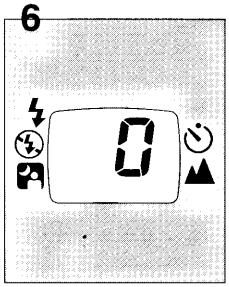
× Slack No!



○ Flat Yes!

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5. (1) appears in the exposure counter on the LCD panel when the film is loaded properly.
6. If (0) appears in the exposure counter on the LCD panel, it means that the film is not loaded properly.
   In this case, open the back cover and load the film once again.

- If the main switch is turned OFF when the film is loaded properly, the number of exposure on the LCD panel will remain on for approx. 5 seconds.
- If the main switch is turned OFF when the film is not loaded properly, (0) in the exposure counter on the LCD panel disappears instantly.

Automatic film speed setting

This camera is designed to use DX-coded films with ISO rating at 100 and 400. When any of these films are loaded, the proper film speed is automatically set for the camera.

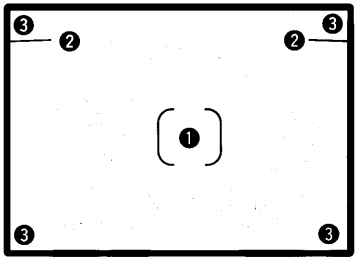
Notes:

- Use of negative color film (print film) is recommended.
- Non-DX coded film cannot be used. If non-DX coded film is used, the camera set the film speed to ISO 100.
- A film with ISO 400 film speed is recommended to get less image blur and to cover more photographic situations.

VIEWFINDER DISPLAYS AND GREEN LAMP INDICATIONS

www.pbhcameras.com

VIEWFINDER DISPLAYS

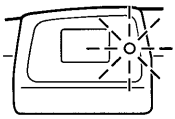


❶ Autofocus frame
Focus on the subject with this frame.

❷ Close distance compensation frame
When the camera-to-subject distance is less than 1m, compose the scene within this frame.

❸ Picture areas
When taking a normal picture, compose the scene within this frame.

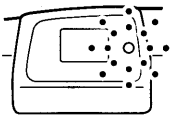
Green lamp indications



Lighting up:

When you depress the shutter release button halfway down, the green lamp lights up or blinks.

When the subject is in focus and the flash is fully charged, the green lamp will light up to indicate that you can take a picture.

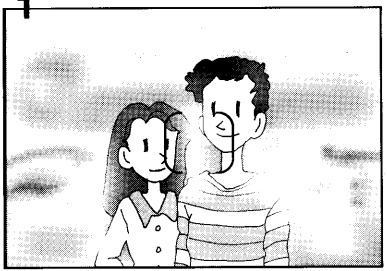


Blinking:

If either the camera-to-subject distance is less than 0.8m (2.6 ft) or the flash is being charged, the green lamp blinks and you cannot release the shutter.

- While the lamp is blinking, shutter cannot be released.
- Ensure that the lamp is lit continuously, before taking pictures.

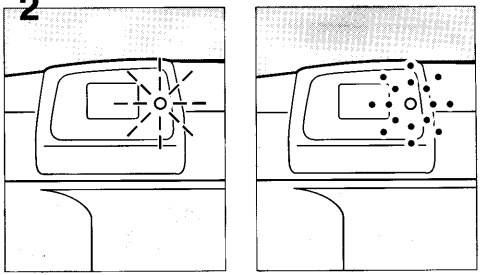
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Turn the power on by depressing the main switch button.

1. After zooming the lens and composing your scene, focus on the subject with autofocus frame.

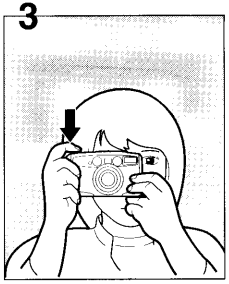
- When the main subject is off the autofocus frame in the center of the viewfinder, use the focus-lock technique. See page 20.

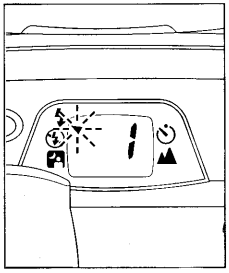


2. Checking the lamp indication
When the subject is in focus, the green lamp will light up.

- The green lamp blinks if the subject is less than 0.8m (2.6ft) or the flash is being charged.

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3. Shooting

Depress the shutter release button fully. The film automatically advances to the next frame.

- If the autofocus window is dirty, the autofocus may not function properly.
- If you wish to focus on another subject, lift your finger from the shutter release button and depress the shutter button halfway down again.

Automatic Flash Emission

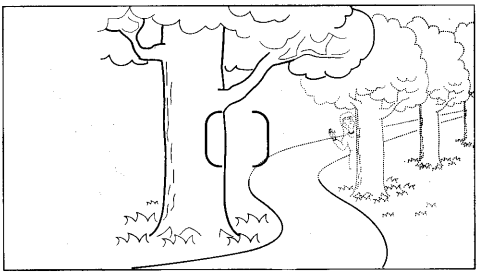
When the shutter release button is depressed halfway down in low light, the flash is automatically charged and the green lamp lights up and (◀) will appear to (ϟ) on the LCD panel indicating the flash is ready to discharge.

- The automatic flash emission is set automatically when the main switch is ON.

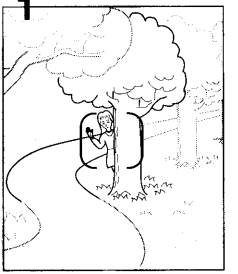
Flash effective ranges (Color negative film used)

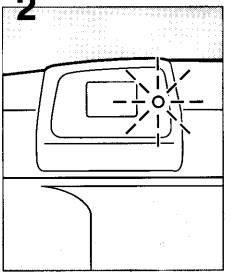
Lens \ ISO	100	400
38mm (🏔🏔🏔)	0.8-3.9m (2.6-13ft)	0.8-7.9m (2.6-26ft)
115mm (🏔)	0.8-1.4m (2.6-4.6ft)	0.8-2.8m (2.6-9.2ft)

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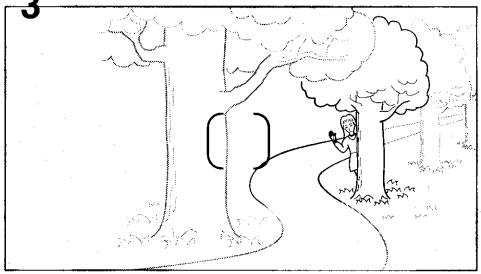
If you shoot without positioning the autofocus frame ([ ]) on the main subject as illustrated above, only the foreground will be in focus. When the main subject is off the autofocus frame in the center of the viewfinder, use the focus-lock technique. (Focus lock is the function to lock focus.)





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.

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3. While depressing the shutter release button halfway, re-aim the camera or recompose the picture, then release the shutter.

Note:

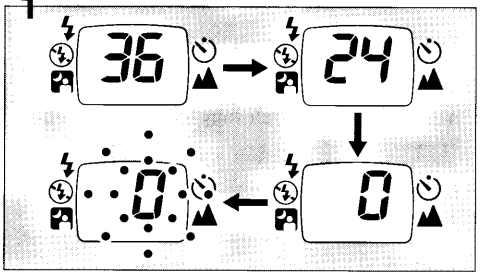
- You can cancel focus lock simply by lifting your finger from the shutter release button.

HARD-TO-AUTOFOCUS-SUBJECTS

The autofocus system is highly precise, but not perfect. Some subjects may not focus as you wish. In this case, use the focus-lock technique. Subjects which may fool the autofocus system include:

a) Black or very dark objects, which don't reflect much light.
b) Subjects with horizontal lines, complex or detailed patterns.
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 surface like glass, mirror, car bodies, etc.
e) Fast moving subjects.
f) Water jets, water surface, smoke, flame, fireworks, etc., which have no distinct or consistent form, or a subject in mist.

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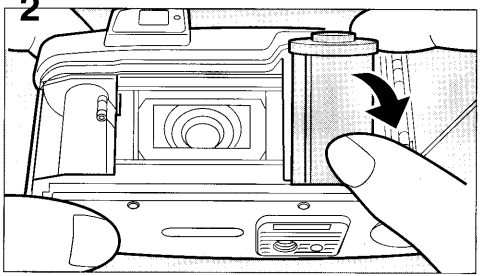


1. Rewinding the film

After you have exposed the last frame of the roll, the lens retracts and the film rewinds automatically. Then, the motor stops, and (0) blinks for approx. 5 seconds to indicate that the film has been rewound completely.

And the power will turn OFF automatically.

- If you turn the main switch ON before removing the film, (0) blinks and the shutter cannot be released.



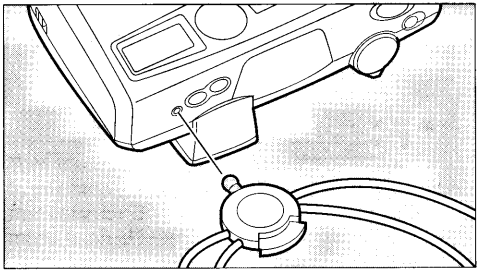
2. Unloading film

Open the back cover, and remove the film cartridge from the chamber by pulling the top out first with your finger.

Notes:

- Never open the back cover until the whole film roll is rewound completely.
- A 24-exposure roll of film takes about 20 seconds to be rewound.
- The shutter may be released one or two frames even after the specified number of frames have been used up as indicated by the number of shots shown on the film cartridge. If this occurs, these extra frames may be lost in processing.

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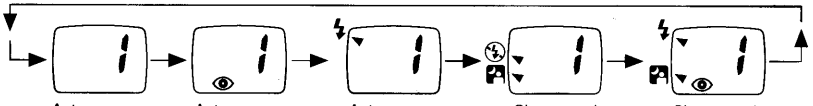
Rewinding the film in mid-roll

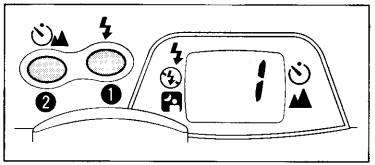
If you wish to unload a film before exposing all the frames, push the mid-roll rewind button with the protrusion part of the strap clamp.

- The lens retracts and then film rewinding starts.
- When rewind is completed, the motor stops, and (0) blinks for 5 seconds, indicating that the back cover may be opened safely.

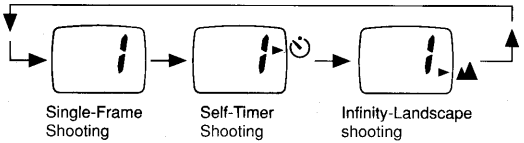
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Turn the power on by depressing the main switch button.
To set various exposure modes, depress the flash mode button ❶.
The mode selection will change each time that the flash mode button is depressed.





To set various shooting modes, depress the Self-timer/AF infinity-landscape button ❷.

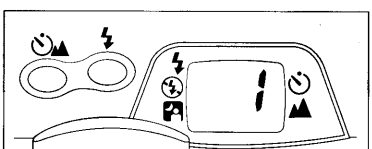


• For normal use, use the Single-Frame Shooting Mode.

Red-Eye Reduction Flash Function
To reduce the red-eye phenomenon in the picture, depress the flash mode button until (👁) appears. With this mode, the self-timer lamp lights up for approx. 1 second just before the flash is discharged to reduce the appearance of the red-eye effect. To cancel this mode, depress the flash mode button to set to auto mode.

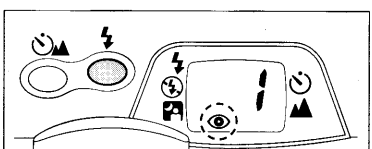
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1. AUTO MODE



Turn the main switch ON to set this mode.
In this mode, the camera controls exposures automatically for bright and dark condition with automatic flash emission.

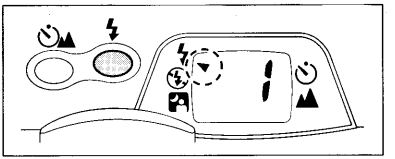
2. AUTO MODE/ red-eye reduction flash



Depress the Flash mode button until (👁) appears on the LCD panel.
Same as 1. Auto mode, with automatic flash emission and the red-eye reduction flash.

3. AUTO MODE/ DAYLIGHT-SYNC (FLASH ON)

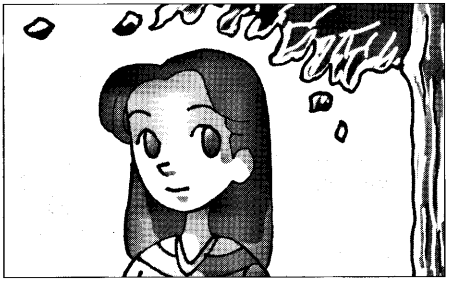
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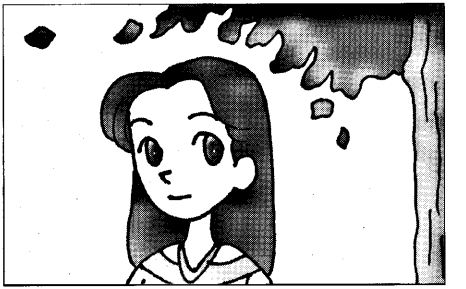
Depress the Flash mode button to set the arrow mark on the LCD panel to (ϟ).
In this mode, the flash will discharge in both dark and bright conditions. When a portrait is taken with the subject in a backlight situation, the front of the subject may be cast in shadow. In such a case, use the Daylight-sync shooting mode (Flash-ON) within the flash effective range to take pictures. This will ensure that a subject is well exposed without any shadow. When you wish to discharge the flash as a fill-in, use this mode. In this mode, the flash will always discharge.

Note:

- Make sure you're within the flash effective range even when you use the built-in flash as a fill-in flash in daylight.

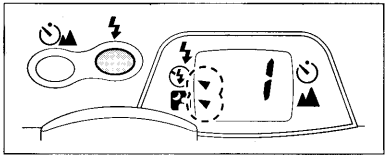


Without Daylight-Sync



With Daylight-Sync

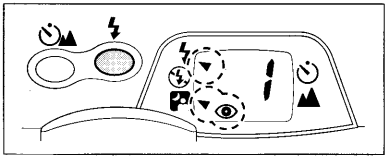
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① Slow Shutter Speed with Flash-OFF

Depress the Flash mode button to set the arrow mark on the LCD panel to ( ) ( ).

In this mode, the flash does not discharge, and a picture is taken at a slow shutter speed up to approx. 2 seconds. Use it in places where 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.



② Slow-Speed-Sync with red-eye-reduction flash

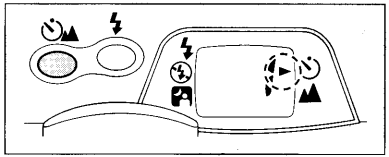
Depress the Flash mode button to set the arrow mark on the LCD panel to ( ), ( ), and ( ) appears on the LCD panel.

It is possible to photograph subjects and background in a balanced way by using the flash to properly expose the foreground subject and a slow-speed to expose the low light background.

Notes:

- When shooting in low light, the shutter speed gets slower, and camera shake is likely to blur your picture. Use of a tripod is recommended.
- Make sure you are within the flash effective range even when you use the flash as a fill-in flash in daylight. See page 19.

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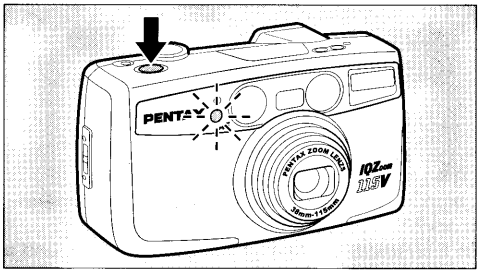


Self-timer

Use the self-timer if you wish to get in the picture. Use of a tripod is recommended.

1. Depress the Self-timer/AF infinity landscape button to set the arrow mark on the LCD panel to ( ).
2. Assure that the subject is within the AF frame in the viewfinder. Depress the shutter release button fully to start the self-timer.

The shutter will be released in about 10 seconds. When the Self-timer is working, the arrow mark (▶) blinks on the LCD panel, and the Self-timer lamp lights up. The lamp starts blinking 3 seconds before the shutter is released.



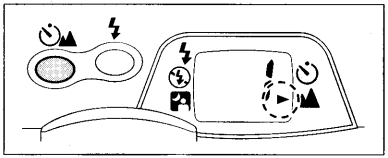
To cancel the self-timer

To cancel the self-timer at any time after it's been activated, depress the main switch button.

- If you are standing directly in front of the camera when starting the Self-timer, the camera will be focused to you, not the main subjects. Be sure that you are behind, or next to the camera when starting the Self-timer.
- If you wish to use the flash with the self-timer, ensure that the arrow mark on the LCD panel appears and points to (ϟ) indicating the flash has been charged before operating the self-timer.

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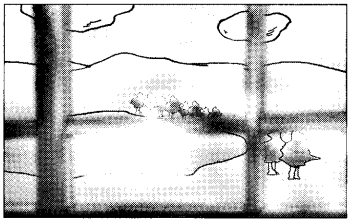
INFINITY-LANDSCAPE SHOOTING



When you wish to take a sharp picture of a distant landscape or a distant subject through a window, the Infinity-landscape mode allows you to capture distant scenery with clarity.

Depress the Self-timer/AF infinity landscape button to set the arrow mark on the LCD panel to (▲).

- The green lamp will light up when the shutter release button is depressed halfway down in this mode.
- This mode will be canceled after the picture is taken automatically.
- In this mode, the flash will not discharge on auto mode.



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Flash photography

Taking a picture in low light situations. p.19
Minimizing the red-eye effect. p.24
Taking a portrait when the subject's face is cast in shadow. p.26



Taking pictures of people in various situations

Taking a portrait when the subject is in shadow. p.26
Putting yourself into a picture. p.28



Landscape photography

Taking a picture of people with sunset scenery in the background. p.29



Others

Imprinting date on a picture. p.9, 10

TROUBLESHOOTING

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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 main switch turned off? If so, turn it on. See page 11. • Is the battery exhausted? Replace with a new battery if it is exhausted. See page 8. • Is [ ] blinking on the LCD panel? If so, the film has been used up. Load a new roll. (See page 14, 22.)
2. My printed pictures don't look very clear.	• Did you position the autofocus frame on your subject? See page 18. • Did you obstruct the autofocus window with your fingers, hair or other object when you depress the shutter release button? See page 12. • Is the autofocus window dirty? Wipe it off. See page 16.
3. Zoom lens retracted automatically (the power is turned off automatically)	• Did you leave the camera unused for over 3 minutes after the main switch was turned on? The power is automatically switched off if the camera is left unused for over 3 minutes. See page 11.
4. The flash discharges, though it is not dark.	• Daylight sync mode has been set. See page 26.

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Type:	35mm fully automatic lens-shutter with built-in zoom lens and auto flash
Film:	Auto film speed setting with 35mm perforated DX-coded film with ISO rating at 100 & 400. Non-DX coded films are set to ISO100
Format:	24 x 36mm
Film loading:	Auto film loading. Closing the back cover will automatically wind the film to first frame.
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. 20 sec. with 24-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 38-115mm f/4.3-12.2, 5 elements in 5 groups, Angle of view: 59°–21.5°
Focusing system:	Pentax infrared active autofocusing with focus lock, Range: 0.8m (2.6ft) - infinity, maximum magnification: approx. 0.17X. Infinity-landscape mode (focus is fixed to infinity)
Zooming:	Electronic zoom
Shutter:	Programmed AE electronic shutter with speed approx.1/500-2sec. Electromagnetic release.
Self-timer:	LED lamp indication. Delay time approx.10 sec. Cancellation after activation is possible.
Viewfinder:	Actual image zoom viewfinder. 83% of field of view ratio, Magnification: 0.44X (38mm WIDE) — 1.23X (115mm TELE), Diopter: $-1m^{-1}$, Autofocus frame, Picture frame, Close distance correction frame, Green lamp lighting (O): possible to take a picture, Green lamp blinking: Subject is too close and/or the flash is being charged.

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Exposure control: Programmed auto-exposure control. Range: EV9.5-EV17 at 38mmWIDE, EV13.5-EV19 at 115mm TELE in Auto or Daylight-Sync mode (ISO 400), EV8.0-EV17 at 38mm WIDE EV8.0-EV19 at 115mm in Slow Shutter Speed mode (ISO 400)

Flash: Built-in flash with red-eye reduction mode, Automatic flash emission in low-luminance, Flash ON=Day-light Sync/Slow Shutter Speed Sync (up to 2 sec.), Flash OFF=Flash override,

Flash effective range: 0.8-7.9m (38mm), 0.8-2.8m (115mm TELE) (ISO 400 film used).

Flash recycling time: Approx. 7 sec. under Pentax testing conditions.

Power source: One 3V lithium battery (CR-123A or the equivalent)

Battery life: Approx.15 rolls of 24-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.

Size & Weight: 120.5 (W) x 70.5 (H) x 46.3 (D) mm (4.7" x 2.8" x 1.9") 240g (8.5oz) without battery

DATE MODEL

Date mechanism: Crystal quartz controlled; LCD with digital clock, auto calendar up to 2049.

Imprinting mode: "Year, Month and Day", "Day, Hour and Minutes", "---- blank", "Month, Day and Year" or "Day, Month and Year".

Size & Weight: 120.5 (W) x 70.5 (H) x 49.3 (D) mm (4.7" x 2.8" x 2.0") 245g (8.7oz) without battery

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