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It'll make you feel better, won't it?
If you use Pay Pal or wish to use your credit card,
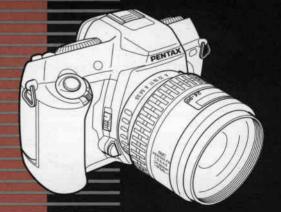click on the secure site on my main page.**

PENTAX®

MZ-S QUARTZ DATE

WELCOME

Thank you very much for buying the Pentax MZ-S
camera. Please read this manual before using the
camera in order to get the most out of all the features
and functions. Keep this manual safe, as it can be a
valuable tool in helping you to understand all the
camera's capabilities.

Features

The MZ-S has the following features:
- The heavy-duty body enhanced with the magnesium alloy.
- Six-focus-point SAFOX VII allows the six focus points in the
  viewfinder to auto focus even when the desired subject is not
  in the center; shooting with a fixed focusing point is also
  available.
- Shutter speed of maximum of 1/6000.
- Exposure data including shutter speed, aperture,etc. can be
  imprinted for each frame on a film.
- Slanted camera top facilitates visibility and controllability.

FOR SAFE USE OF YOUR CAMERA

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

⚠ **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.
🚫	This mark indicates prohibited matters.
⚠	This mark indicates that caution should be taken.

⚠ WARNING

🚫 The electronic circuits inside the camera contain high voltage working parts. Never attempt to disassemble the camera yourself.

🚫 Never touch internal parts of the camera if they become exposed from dropping the camera or for some other reason, as there is danger of an electric shock.

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

🚫 Do not look directly at the sun through the camera, as viewing the sun for may damage your eyes, and/or parts of the camera (e.g: shutter blades, etc.)

⚠ Be sure to store batteries out of the reach of children. Seek medical assistance immediately if accidentally swallowed.

⚠ CAUTION

🚫 Do not use the flash near anyone's eyes, as it may hurt them. Be particularly careful with the flash around infants.

🚫 Never try to disassemble, short or recharge the battery. Also, do not dispose of the battery in fire, as it may explode.

⚠ Remove the batteries from the camera immediately if they become hot or begin to smoke. Be careful not burn yourself during removal.

1

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

Precautions when taking pictures

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

Precautions for storage

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

Precautions for proper care

- Never touch the shutter curtain or mirror with your finger or any other object.
- Use a blower and lens brush to remove dust accumulated on the lens or viewfinder.
- Never use solvents such as paint thinner, alcohol or benzene to clean the camera.
- Electrical problems may often be caused by water, dirt or dust at points of electrical contact. Also check for battery leakage, traces of dirt or grease, or corrosion due to salinity or gas. If you cannot correct the problems, have your camera inspected at a Pentax service center. Repairs of this nature are not covered under the terms of the warranty and charges may be assessed.

Other precautions
- The temperature range at which this camera functions properly is 50°C to - 10°C (122°F to 14°F).
- A camera which has been submerged in water usually cannot be repaired. If such an accident should occur, it is advisable to contact a Pentax Service Center immediately.
- To maintain optimum performance, it is recommended that the camera be inspected every one or two years. If the camera has not been used for an extended period, or is being prepared for an important photographic session, it is recommended that you have the camera inspected or test shoot with it.
- Repairs deemed necessary due to usage of this product in an industrial or commercial application may not be covered under the terms of the Pentax warranty.
- The PENTAX warranty provides only for the repair of defects in materials or workmanship. Damage of any kind cannot be repaired at no charge under the terms of the warranty. If the difficulty is caused as a direct result of the product being used in conditions as outlined in the "Precautions for Your Camera" section or any other operation contrary to the instructions outlined in this manual, charges will be assessed and a repair quotation will be provided.

PRECAUTIONS FOR BATTERY USAGE

- Use two 3V lithium batteries (CR-2 type).
- Misuse of the battery can cause hazards such as leakage, overheating, explosion, etc. The battery should be inserted with the "+" and "-" sides facing correctly.
- Battery performance may be temporarily hindered in low temperatures, but will recover in normal temperatures.
- Keep a spare battery on hand for replacement convenience when shooting outdoors or while traveling.
- If the built-in flash is used continuously, the battery may become warm, but it does not mean that the battery is faulty; it is one of the battery's characteristics.
- Replace the batteries at the same time. Do not mix battery brands, type or an old battery with a new one. It may cause explosion or overheating.

CONTENTS

BASIC 21

STEP UP

ADVANCED OPERATIONS

NAMES OF WORKING PARTS

Exposure mode reset button

Self-timer lamp

Shutter release button

Cable release socket

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PENTAX

Strap lug

Flash function button ☞ p.95, 96

Main/Preview switch

Lens mount index lamp ☞ p.15

Focus mode switch ☞ p.26, 73, 74, 76, 77, 80
Sets the focus mode to autofocus (single/continuous) or manual focus.

Focus point mode switch ☞ p.25, 78
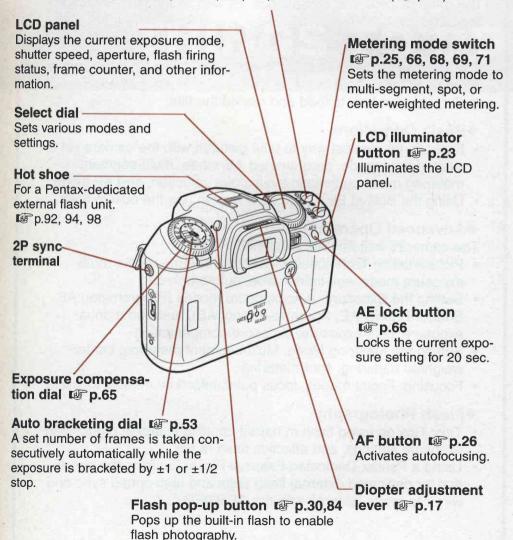Sets the focus point mode to automatic or manual selection.

Lens unlock button

Hold switch ☞ p.57
Prohibits the alterations of exposure mode and shutter speed by the select dial or exposure mode button.

Lock release button

Tripod socket

Battery chamber cover

Battery chamber cover release lever

Back cover release lever

Battery grip contacts cover

Mid-roll rewind button ☞ p.35

Drive switch
Sets the drive mode to the single-frame (☞p.24), consecutive-frame (☞p.48), multi-exposure (☞p.49), or self-timer mode (☞p.51).

LCD panel
Displays the current exposure mode, shutter speed, aperture, flash firing status, frame counter, and other information.

Metering mode switch
☞p.25, 66, 68, 69, 71
Sets the metering mode to multi-segment, spot, or center-weighted metering.

Select dial
Sets various modes and settings.

Hot shoe
For a Pentax-dedicated external flash unit.
☞p.92, 94, 98

LCD illuminator button ☞p.23
Illuminates the LCD panel.

2P sync terminal

AE lock button
☞p.66
Locks the current exposure setting for 20 sec.

Exposure compensation dial ☞p.65

Auto bracketing dial ☞p.53
A set number of frames is taken consecutively automatically while the exposure is bracketed by ±1 or ±1/2 stop.

AF button ☞p.26
Activates autofocusing.

Diopter adjustment lever ☞p.17

Flash pop-up button ☞p.30,84
Pops up the built-in flash to enable flash photography.

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USING THIS OPERATING MANUAL

This operating manual consists of the following sections.

◆Things to Check
This section is before "Things to Do," and it explains cautions for using the camera and accessories, as well as the names of working parts.

◆Things to Do
Explains the procedures to be followed before you use the camera for the first time.
It also explains how to load and rewind the film.

◆Basic Operations
- Explains the easiest way to take pictures with the camera set to single-frame mode, programmed AE mode, multi-segment metering mode, automatic focus point selection, and AF mode.
- Using the Built-in Flash: Explains how to use the built-in flash.

◆Advanced Operations
The camera's features are explained in detail.
- Picture-taking Techniques: Consecutive-frame mode, multi-exposure mode, self-timer mode, auto bracketing
- Setting the Exposure: Autoexposure modes (Programmed AE, Shutter-Priority AE, Aperture-Priority AE), metered manual exposure, bulb exposure, exposure compensation
- Setting the Metering Mode: Multi-segment metering, center-weighted metering, spot metering
- Focusing: Focus modes, focus point selection, manual focusing

◆Flash Photography
- Tips: Tips on using flash in backlit conditions and at night, flash exposure settings, and effective flash range.
- Using a Pentax-Dedicated External Flash: Explains the operation for dedicated external flash units and high-speed sync and wireless mode features with the AF360FGZ.

SET UP

THINGS TO DO

BEFORE TAKING PICTURES

Things to do before using the camera for the first time.

Step 1 Attaching the Strap

1 **Pass the end of the strap
through the strap lug from
underneath, then pass the strap
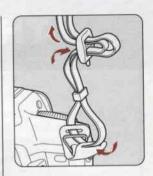through the clasp from under-
neath.**

Memo

The strap's clasp can be used to rewind
the film in mid-roll or to alter the date or
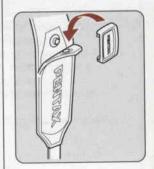time. Position the clasp away from the
camera body.

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

Memo Using the strap pocket

The strap also has a pocket which can
store the viewfinder cap, release socket
cover, hot shoe cover or any other small
accessory as illustrated.

Step 2   Loading the Batteries
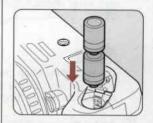
1 As shown in the illustration, open the battery chamber cover by turning it with a coin.

2 As shown in the illustration, load the two lithium CR2 batteries or equivalent into the chamber with the batteries' positive (+) contacts pointing down.

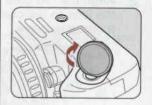**3** Push in the battery chamber cover firmly and use a coin to turn the cover clockwise to close.

Memo About the Batteries

- Be sure to use two lithium CR2 batteries.
- If you want to use size-AA batteries, use the optional Battery Grip BG-10.
- When taking the camera to unfamiliar areas or when using in cold environments, take a spare set of batteries.
- See "Replacing the Batteries" to replace the batteries and read the cautions regarding the batteries. (☞p.41)
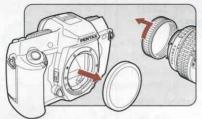
Step 3 — Attaching a Lens
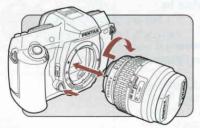
1 Remove the body mount cap and rear lens cap.

Memo

The body mount cap protects the inside of the camera from dust and scratches upon factory shipment. For long-term camera storage, the optional accessory "Body Mount Cap K" is also available.

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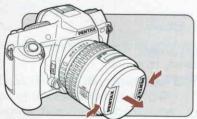

Memo

• After attaching the lens, try and turn the lens counterclockwise to make sure it is locked in place.

- When attaching the lens in the dark, turn on the camera's main switch and press the lens unlock button to turn on the lens mount index lamp on the camera.
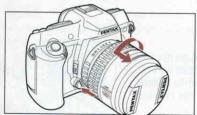

3 As shown in the illustration, remove the front lens cap.

Memo **Handling the Lens**

- To detach the lens, hold down the lens unlock button and turn the lens counterclockwise.

- We assume no responsibility nor liability for damages resulting from the use of lenses made by other manufacturers.
- Use a soft, dry cloth to keep the electrical contacts on the body mount and lens mount clean. Dirt or corrosion on the contacts can cause problems with the electrical system.

Imprint the date or time within the picture.

1 **On the camera's back cover, press the DATE button to set the desired imprinting format.**
Each time you press the DATE button, the display will change in the following sequence:

---

* The sample display below indicates May 1, 2001, 2:10 PM.
YY indicates the year's last two digits, MM is the month, DD is the day, hh is the hour, and mm is the minute.
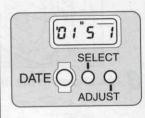
[YY MM DD]→[01 5   1]

[DD hh mm]···[1 14:10]

[-- -- --]···Blank

[MM DD YY]···[5   1 01]

[DD MM YY]→[1   5 01]

Memo

The date or time is imprinted on the lower right corner of the picture. If this part of the picture is light-colored (white, yellow, etc.), the imprinted date or time may be difficult to distinguish.

NOTE

- To set the correct date and time, see "Setting the Date and Time" on page 44.
- If the imprinting looks too light or if the Data back's display looks light or shows nothing, replace the Data back's battery. (☞ p.42)
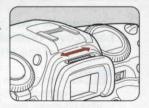- The date of the first frame will be imprinted in the multi-exposure mode.

Step 5   Adjusting the viewfinder's diopter

Adjust the viewfinder's diopter to suit your eye's vision.

1   **Look through the viewfinder and point the camera to a well-lit scene. Then move the diopter adjustment lever left or right until the autofocus frame in the finder looks sharp.**

Memo

The diopter can be adjusted from -2.5 to +1.5m⁻¹ (per meter).

Automatic film speed setting
This camera is designed to use DX-coded films with ISO
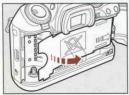ratings from 25 to 5000.

Memo

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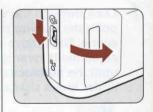become familiar with its operations.

NOTE

- When DX-coded film is used, the correct film speed is automatically set
  for the camera. If you use a non-DX coded film, you can set the film
  speed manually. (☞p.36)
- You cannot use an infra-red film. This camera uses infra-red rays to
  detect film transport so it may sensitize the film.

1 **To open the back cover, slide the
back cover release lever in the
direction of the arrow.**

Memo **Remove the protective cover**

- Before loading film for the first time
  after purchase, open the back cover
  and remove the protective card.
- Be careful not to touch the shutter cur-
  tains with the protective card.

- Always load and unload film in the
  shade or by using your body to shade
  the camera.

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

3 As shown in the illustration, pull the film leader out only far enough to reach the take -up spool.
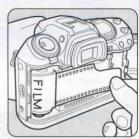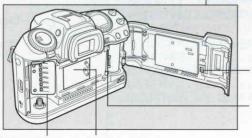

★Important★

The shutter curtains are fine-precision material. Do not touch them with your fingers or any other object while loading film.

📝 **NOTE**

- The DX information pins in the film chamber are used to read film speed. Keep them clean and free from scratches. To remove smudges, wipe them gently with a soft, dry cloth.
- If there is dirt on the film detector, film cannot be wound properly.
  Wipe them gently with a soft, dry cloth.

Imprint data emitter

Film detector

DX information pins   Shutter curtains

19

4 **Align the film leader with the film leader end mark and make sure that the film leader is positioned under the film retainer as shown in the illustration.**

> **Memo**
> - If the end of the film leader is extremely bent, straighten it or cut off the bent portion.
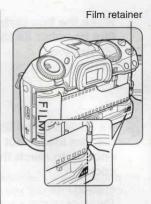> - If you have pulled out too much film, push it back into the cartridge to reduce the slack.

Film retainer

Film leader end mark

5 **Close the back cover.**

6 **Turn the main switch to [ON].**
The film will advance to frame 1 automatically, and the LCD panel will display the exposure counter and film status information.
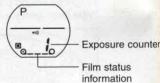
> **Memo** **Incorrect film loading**
> If the film is not loaded properly, the LCD panel will display E. Open the back cover and load the film again.
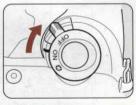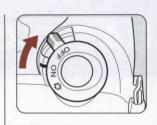
Exposure counter

Film status information

BASIC

BASIC OPERATIONS

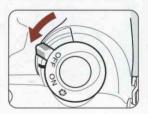**21**

QUICK AND EASY SHOOTING

| POWER ON/OFF

1 **Turn on the camera.**

①Turn the main switch to ON.

2 **Turn off the camera.**

①After you finish taking pictures, turn the main switch to OFF.

![Memo]

Be sure to turn the main switch to OFF to prevent accidental drain on the batteries.

Memo About the LCD Panel

The LCD panel displays the following indications:

Exposure mode
The exposure mode is indicated. It can be set to P (Programmed AE), Tv (Shutter-Priority AE), Av (Aperture-Priority AE), or M (Metered Manual). ☞p.56

Shutter speed/Aperture display
The shutter speed and aperture are indicated.

Other indications
The ISO film speed, low battery warning, flash firing status, frame counter, and other information are displayed.

NOTE

To see the LCD panel in the dark press the LCD illumination button.The panel will light up for about 10 seconds.

BASIC

BASIC OPERATIONS

QUICK AND EASY SHOOTING

For quick and easy shooting, set your camera for single-frame shooting, Programmed AE, multi-segment metering, automatic focus point mode, and autofocus.
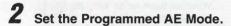
NOTE
To load the batteries and film or to attach the lens, see "Things to Do." (☞ p.11)

1 Set the single-frame drive mode.

①**Set the main switch to [ON] position.**

②**Set the drive switch to[□].**
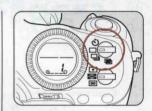One picture is taken each time the shutter release button is pressed.

Memo
The drive mode can also be set to consecutive-frame mode (☞ p.48), self-timer (☞ p.51), or multiple-exposure mode (☞ p.49).

2 Set the Programmed AE Mode.

①**Turn the aperture ring to the [A] position while holding down the aperture-A lock button on the lens.**
[P] appears on the LCD panel to indicate that the Programmed AE Mode is set.
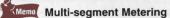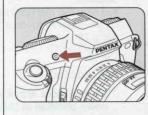
BASIC

BASIC OPERATIONS

Memo

When [P] is not displayed on the LCD panel, press the exposure mode reset button.
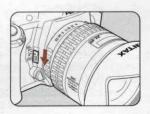
3 Set the multi(6)-segment metering mode.

①Set the metering mode switch to [📷].

Memo Multi-segment Metering

- When multi-segment metering is set, the scene's brightness is metered by six segments within the image area. So even in backlit conditions, the subject will not be underexposed because the other metering segments can detect the condition and the camera can compensate the exposure accordingly.
- The center-weighted metering and spot metering are also available. ☞ p.69, 70

4 Automatic selection of the Six Focus Points

①Set the focus point mode switch to the down position at [A].
When the focus point mode is set to [A], the camera selects one of the six focus points to focus even when the subject is not at the center.

Memo

You can also manually select one of the
six focus points to focus the subject.
☞ p.78

5 Set autofocus

①**Set the focus mode switch to the
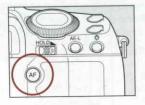down position at [AF.S].**
When the single AF mode [AF.S] has
been set, press the shutter release but-
ton halfway down to focus. The picture
cannot be taken unless focus is
achieved. The focus will remain locked
as long the shutter release button is
held in the halfway down position.
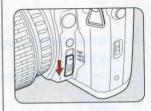
Memo **Other focusing methods**

You can also focus in the following ways:
- MF···Focus manually. ☞ p.76
- AF.C···Continuous focus. ☞ p.74
- AF button···This button works in the
  same way as shutter release button
  pressed halfway. Convenient especially
  in a situation where it's hard press the
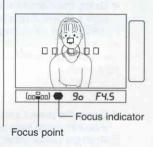 shutter release button halfway down.

TAKING A PICTURE

📝 NOTE

To load the film and batteries or to attach a lens, see "Things to Do."
(☞ p.11).

1 Frame the subject

①**Look through the viewfinder and frame the subject.**
Autofocus works with the six focus points in the viewfinder. Cover the subject with one of the focus points.

Focus indicator

Focus point

📷 Memo   Holding the camera

• Hold the camera firmly, with your left hand supporting the camera and lens as shown in the illustrations.
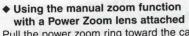
• To reduce camera shake, support your body or the camera on a solid object - a table, tree, or a wall for instance.
• Although there are individual differences among photographers, in general the shutter speed for a hand held camera is the inverse of the focal length. For example, 1/60 of second when focal length is 50mm, and 1/125 of second when it is 100mm. A tripod should be used for shutter speeds slower than this.
• When using a telephoto lens, a tripod that is heavier than the total weight of the camera and lens is recommended to avoid camera shake.

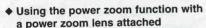### 📷 Memo Using a Zoom Lens

◆ Using the Manual Zoom Lens

To photograph a wider area, turn the zoom ring to the left. To magnify the subject, turn the zoom ring to the right.

◆ Using the manual zoom function with a Power Zoom lens attached

Pull the power zoom ring toward the camera body until the words [POWER ZOOM] are hidden and turn the zoom ring to the right or left.

◆ Using the power zoom function with a power zoom lens attached

①Push the power zoom ring forward until the words [POWER ZOOM] appear beneath the power zoom ring.

②Turning the power zoom ring to the right brings the subject closer (telephoto) and turning it to the left makes the subject smaller (wide angle). To stop zooming, release the power zoom ring.
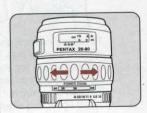

◆ Using the Power Zoom Function

• If a power zoom ring is attached, three zooming speeds are available.
  Turning the power zoom ring fully to the right or left, zooms the lens quickly.

• Turning it slightly gives you slow operation. At an intermediate position, the lens zooms at medium speed.
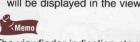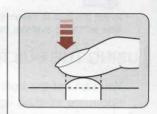
- Zooming the lens with the power zoom function automatically focuses the lens on the subject. However, for final focusing, press the shutter release button halfway down to focus the subject.
- When the main switch is turned off with the power zoom lens attached, the lens automatically retracts to its shortest physical length.

2 Taking the picture

①**Lightly press the shutter release button halfway down with your finger.**
The exposure information (focus point, shutter speed, aperture, flash status) will be displayed in the viewfinder.

Memo

The viewfinder indication stays on for 10 seconds after the button is released from the halfway position.
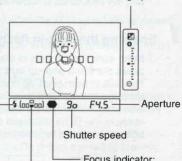
Memo Viewfinder Displays

Bar graph

Flash status indicator:
Blinks when flash is required in indoor or low-light environments. Press the flash pop-up button to pop up the built-in flash. ☞ p.30 On completion of recharging, the indicator remains lit.

Aperture

Shutter speed

Focus point indicator:
The focus point that achieves focus will light up. If the subject cannot be focused all points will light up.

Focus indicator:
Lights when focus is achieved. If it blinks, it indicates that focus has not been achieved.

②**Check the exposure information in the viewfinder and press the shutter release button completely.**

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BUILT-IN FLASH - SMART FLASH

The basic procedure for using the built-in flash is explained below.

Memo

To set the built-in flash's flash mode or when using an external flash unit, refer to "Using external flash" on page 91.

USING THE BUILT-IN FLASH

You can set the built-in flash to fire even when there is adequate existing light.

Memo

- When using the built-in flash, do not attach a hood to the lens. The hood will obstruct part of the flash.
- As a rule of thumb the distance for using the built-in flash (which varies with the lens used) is within about four meters (using ISO 400 film).
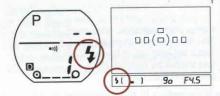
1 Enabling the built-in flash

①**Make sure the camera is on, then press the flash pop-up button.**
The built-in flash pops up and starts to recharge automatically.
When the built-in flash is charged and ready to fire, [$\frac{1}{2}$] is displayed on the LCD panel and in the viewfinder.
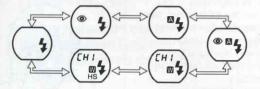
www.orphancameras.com

Memo What to do if an indication other than [$\frac{4}{7}$] is displayed

Hold down the flash-function button and turn the select dial.

The flash mode is indicated on the LCD panel as shown below.
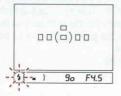
- The flash mode indications displayed on the LCD panel are explained in "Using Built-in Flash" on page 85.
- Auto flashing [Ⓐ] can only be selected in the Programmed AE mode.

Memo Flash recommendation indicator

When the shutter release button is pressed halfway down, if [$\frac{4}{7}$] blinks in the viewfinder and on the LCD panel, it is recommended that you use flash.

Also, if a telephoto lens is used and the subject is beyond the effective range of the built-in flash, use of a tripod is recommended to prevent camera shake.

The [ϟ] indicator may blink in the following modes:

- **Aperture-Priority AE Mode or Programmed AE Mode**
  The [ϟ] indicator will blink if the subject is dark or backlit.

- **Shutter-Priority AE Mode or Metered Manual Mode**
  The indicator will blink if the subject is backlit. (It will not blink for a dark subject.)

- **Center-weighted metering or Spot metering**
  The indicator will blink only if the subject is dark. (It will not blink for a backlit subject.)

2 Firing the built-in flash

①**Check that [ϟ] is displayed in the viewfinder or on the LCD panel, then press the shutter release button.**
When the shutter release button is pressed all the way down the built-in flash will fire and then will start to re-charge automatically.
When [ϟ] is displayed again on the LCD panel or in the viewfinder, you can take another flash picture.

Memo

- The shutter cannot be released while the built-in flash is being recharged.
- If the built-in flash is used continuously, the batteries will get warm, but it does not mean that the batteries are faulty.

Memo When [ϟ] blinks

When using an F or FA lens not suited for flash photography, [ϟ] will blink in the viewfinder and on the LCD panel when the flash is ready and the shutter release button is pressed halfway down. Taking a picture while this warning is displayed may cause vignetting in the picture corners or semi-circular vignetting at the bottom of the picture.
See F and FA Lens Compatibility Table ☞p.89

3 Retracting the built-in flash

①After using the built-in flash, push down the flash head to lock it in the closed position.

Memo AF illuminator

When the shutter release button is pressed halfway down where it is hard for autofocus to work, such as in a dark place, the built-in flash discharges continuously to provide illumination, making it easy for the autofocus to work. The effective range of AF illumonator is approx. 1m to 5m.

SETTING THE RED-EYE REDUCTION MODE

Red-eye reduction mode: To make the eye's iris smaller, a low-output flash fires right before the picture is taken. This is to reduce the chances of red eye from occurring in the subject's eyes.

1 Setting the red-eye roduction mode

①Turn the main switch to [ON]

②While pressing the flash-function button, turn the select dial until [◉] appears on the LCD panel.

UNLOADING FILM

Film rewind (auto/manual), setting the ISO for non-DX-coded film, and exposure data imprinting are covered here.

REWINDING THE FILM

Memo

- Always unload film in the shade or by using your body to shade the camera.
- Never open the back cover until the whole film roll is completely rewound.
- When the film count reaches [30], an audible PCV signal beeps for about two seconds for film depletion warning with a blinking [Q] on the LCD panel.
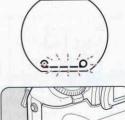
◆ Automatic film rewinding

Memo

The shutter may be released a frame or more after the specified number of frames have been used as indicated on the film cartridge. However, those extra frames may be lost in processing. When you take important pictures, rewind the film when the film reaches the number of frames indicated on the film cartridge.
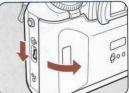
①**The film automatically rewinds at the end of the roll.**
During rewinding, [___O] blinks on the LCD panel, indicating that the film is being rewound.
When the film is fully rewound, [Q] blinks and the exposure counter disappears from the LCD panel.

②**Before opening the back cover, check that [Q] is blinking.**

◆ Rewinding a film in mid-roll

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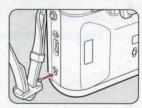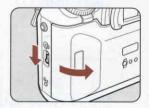
Memo

- If film that has been rewound in mid-roll is reloaded into the camera, picture-taking can start from the specified frame. (☞ p.118)
- At the end of the film rewind, you can also leave the film leader outside the cartridge. (☞ p.118)

①**Turn the main switch to ON.**

②**Use the strap clasp's rod to press the mid-roll rewind button.**

Memo

Avoid using anything other than the strap clasp's rod to press the mid-roll rewind button. If you have to use some other instrument such as a ballpoint pen, be sure to press the button gently without excessive force.

③**Before opening the back cover, check that [❍] is blinking.**
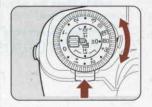
SETTING THE FILM SPEED (ISO) MANUALLY

The camera automatically reads the film speed from the film's DX code. However, the film speed setting can be changed. If you use a non-DX coded film, set the film speed manually.

1 Load the film.
①Load the non-DX-coded film.

2 Setting the ISO speed
①Hold down the lock release button and turn the exposure compensation dial to [ISO].
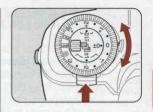
②Turn the select dial to set the ISO speed.

Memo

- The ISO speed can be set from ISO 6 to 6400 in 1/3-EV increments.
- [ISO] is displayed when the film speed is set manually.

③After setting the ISO speed, hold down the lock release button and turn the exposure compensation dial to [0].
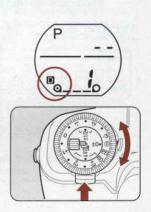
Memo Resetting the ISO speed

- If the exposure compensation dial is positioned at [ISO] with the non-DX-coded film loaded, pressing the exposure mode reset button sets the ISO speed to 100.
- If the exposure compensation dial is positioned at [ISO] with the DX-coded film loaded, pressing the exposure mode reset button cancels the manually-set ISO film speed.

IMPRINTING EXPOSURE DATA

The following exposure data can be imprinted on the negative: Exposure mode, shutter speed, aperture, exposure compensation value and auto bracketing. (Imprinting is enabled by default.)
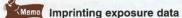
1 Check the setting.

①Turn the main switch to [ON].
[**D**] displayed on the LCD panel indicates that exposure data imprinting is enabled.

2 Enable or disable the data imprinting.

①Hold down the lock release button and turn the exposure compensation dial to [D].

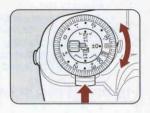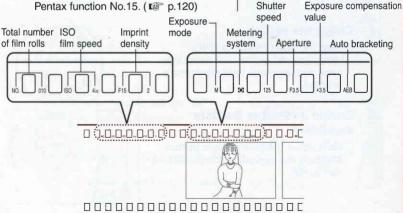②**Turn the select dial to display [OFF] or [ON]on the LCD panel.**

Memo

- If the exposure data imprinting is disabled with the exposure compensation dial set to other than ▣ , the ▣ indication disappears and the total number of film rolls is reset to [001].

③**Hold down the lock release button and turn the exposure compensation dial to [0].**

Memo Imprinting exposure data

- The exposure data will be imprinted on the negative as shown below. Before frame 1, the total number of film rolls, the ISO speed and imprint density will be imprinted.
- The exposure data imprint density varies with the films. You are recommended to make a test shooting. If the density is too low or too high, adjust it using the Pentax function No.15. (☞ p.120)

- In the multi-exposure mode, the first frame of data is imprinted.
- There are some cases where the imprint data is superimposed over the film perforations or text printed on film.

Data type	Imprinted description
Total No. of film rolls	Cumulative count of film rolls is imprinted. Counted up to 999 and recycled back to 001. The count is also reset to 001 if the exposure data imprinting is set to OFF.
ISO speed	Loaded DX-coded film speed and manually set ISO speed is imprinted; ISO 6 to 6400 can be imprinted.
Imprint density	Selected item in the Pentax Function F15 is imprinted.
Exposure mode	Configured exposure mode is imprinted: M (Metered Manual Mode)/ Tv (Shutter-Priority AE Mode)/ Av (Aperture-Priority AE Mode)/ P (Programmed AE Mode).
Metering system	Defined metering system marking is imprinted: [▦] (Multi-segment)/ [▣] (Center-weighted)/ [▢] (Spot)
Shutter speed	The shutter speed displayed in the viewfinder is imprinted. For bulb exposure, [BU] is imprinted. For 1-second shutter speed, [1"] is imprinted.
Aperture	Aperture displayed in the viewfinder is imprinted. When non-F/FA lenses or accessories having no information contacts as helicoid extension tube is used, [F--] is imprinted.
Exposure compensation value	When the exposure compensation is not enabled, [±0.0] is imprinted. When either exposure compensation or auto bracketing alone is used, either compensation value is imprinted. If both auto bracketing and exposure compensation value are used, the sum is displayed.
Auto bracketing exposure	[AEB] is displayed when the pictures are taken in auto bracketing mode.

BASIC
BASIC OPERATIONS

![Memo]

Exposure data imprinting is powered by the camera body battery (CR-2) instead of the button cell for date and time imprinting.

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